ANNUAL REPORT 2021-22

All India Institute of Medical Sciences
Rishikesh






आयुष्मान योजना में उत्तराखंड के अस्पताल देशभर में टॉप पर

हिन्दुस्तान
एक्सक्लूसिव

देहरादून | डिजल दुर्वल RMU

50 हजार मरीजों का हो चुका है इलाज हिमालयन अस्पताल में

आयुष्मान योजना में इलाज देने के मामले में उत्तराखंड के अस्पताल देश भर में सबसे आगे हैं। सरकारी, प्राइवेट और दूरस्थ क्षेत्रों के अस्पतालों की सूची में हल्द्वानी के अस्पतालों में देश में सर्वाधिक मरीजों का इलाज किया गया है।

जौलीग्रांट स्थित स्वामी राम हिमालयन अस्पताल में अभी तक आयुष्मान योजना के तहत 50 हजार के करीब मरीजों का निशुल्क इलाज हो चुका है। देश के किसी भी अस्पताल में योजना के तहत अभी तक इतने मरीजों का इलाज नहीं हुआ है। देश भर के तथ्य की बात की जाए तो इस लेवी में भी अधिकेश एम्स पहले स्थान पर है।

आयुष्मान योजना के तहत मरीजों को निशुल्क इलाज देने के मामले में उत्तराखंड के अस्पताल टॉप पर हैं। नेशनल हेल्थ एजेंसी की ओर से हाल ही में भेजे गए देश के अनुसार प्राइवेट, एम्स और दूरस्थ अंचलतालों की श्रेणी में सबसे ज्यादा मरीजों का इलाज किया गया है।

–डॉ.के.डोंडिया, पेशेन्ट, मोट हेल्थ एजेंसी

अधिकेश एम्स में अभी तक 30,419 मरीजों का इलाज हो चुका है। दूर्गम अस्पतालों में भी चिकीत्सगढ़ का योदी चंडि जिला अस्पताल देश भर में पहले स्थान पर है। इसमें अभी तक 2706 मरीजों का सफलतापूर्वक इलाज किया गया है। ➤ संबंधित खबर पेज 07



Our motto

VISHWAROGYAM HI DHARMO NAH

'Global health is religion for us'

AIIMS RISHIKESH



VISION

The institution will be expected to absorb talent, provide highly trained medical and paramedical manpower for the country and conduct research in national and regional health problems. The institute, outside the purview of the Medical Council of India shall be allowed to experiment with innovations in medical education and serve as advisory body for making government health policies

Main objectives according to AIIMS Rishikesh are to create an excellent academic and educational milieu for providing a platform for development of quality medical services, teaching and research. Other objectives are to achieve an epitome of quality in medical education delivery and training system and to render International standard quality patient care and health care development system.

We aim to enhance the reputation of our country by relevant research in medical field, creating clinical excellence and social awareness in young doctors and giving bright minds of Uttarakhand a preference in participation in path breaking research and giving new dimensions to medical science.

MISSION

The government of India has launched the Pradhan Mantri Swasthya Suraksha Yojana (PMSSY) under the Ministry of Health and Family Welfare, New Delhi with the objective of correcting regional imbalances in the availability of affordable and reliable tertiary health care services and also to augment facilities for quality medical education creating a critical mass of doctors and conduct research in the country relevant to the area.

Main mission is to establish a centre of excellence in medical education, training, health care and research imbued with scientific culture, compassion for the sick and commitment to serve the under served.

VALUES

Excellence in health care with professionalism, accountability, ethics, compassion with team work, transparency, diversity, path breaking innovation, active collaboration and communication.

सत्यमेव जयते



डॉ. मनसुख मांडविया
Dr. Mansukh Mandaviya
माननीय केंद्रीय मंत्री
Hon'ble Union Minister
स्वास्थ्य एवं परिवार कल्याण और रसायन एवं उर्वरक, भारत सरकार
Health and Family Welfare and Chemicals and Fertilizers, Govt. of India



डॉ. भारती प्रविण पवार
Dr. Bharati Pravin Pawar
माननीय राज्य मंत्री
Hon'ble Minister of State
स्वास्थ्य एवं परिवार कल्याण, भारत सरकार
Health and Family Welfare, Govt. of India




Welcomes
Gen. Gurmit Singh
WORLD TRAUMA DAY






इमरजेन्सी
EMERGENCY








All India Institute of Medical Sciences
Rishikesh
WELCOME






















Institute of Medical Sciences, Bhubaneswar
16th, 2022







Director's **MESSAGE**



I feel privileged to present annual report of AIIMS, Rishikesh for the year 2021-2022. This annual report reflects our accomplishments in the year 2021-22 and celebrates milestones achieved. The establishment of AIIMS, Rishikesh in Uttarakhand was a bid to correct regional discrepancies as perceived by Pradhan Mantri Swasthya Suraksha Yojana (PMSSY). AIIMS Rishikesh has undergone a metamorphosis and always endeavored to fulfill the mandates of PMSSY. It provides world-class affordable tertiary health care, quality medical education, research, and innovation facilities.

Patient care is the primary mandate of AIIMS Rishikesh with a commitment to serving the underserved and empathy for the sick being the utmost priority. Institute is having over 226 faculty members, supported by 549 resident doctors including foreign national and sponsored candidates, and 1203 nurses. AIIMS, Rishikesh is incessantly working towards the provision of the best health care services. Total OPD attendance from April 2021 to March 2022 is 4,89,852. A total of 45 Departments are running OPD daily with Endocrinology, Surgical Oncology, Nephrology, Surgical Gastroenterology, and Plastic Gynaecology, departments as new super specialties added this year. Hundred specialised clinics have been functioning for the past few years including ART Clinic, Bronchial Asthma, Cardiac Electrophysiology, Child & Adolescent Psychiatric Clinic, Liver Clinic, Lung Cancer, Male Infertility, Movement Disorder, Musculoskeletal Tumour Clinic, Musculoskeletal TB Clinic, Myeloma & Lymphoma Clinic, Sleep Disorder Clinic to name a few.

For the treatment of cancer, AIIMS Rishikesh is getting patients from all over Uttarakhand and neighbouring areas of UP, Haryana, Himachal Pradesh, Madhya Pradesh, and Bihar. Services include two high-energy states of art Linear Accelerator (HELA), Brachytherapy and 16 Slice CT Simulator, and Hyperthermic intraperitoneal chemotherapy (HIPEC). Air ambulance facilities or Heliport services are available, for providing immediate care to people with serious injuries in disasters or road accidents. Recently Hyperbaric Oxygen Unit in the Department of Burns and Plastic Surgery has been started. It is the first of its kind in the state of Uttarakhand.

Institute is now having full bed strength of 960, with a bed occupancy of 100 % at any given time. Surgical Operation services commenced in June 2014. Currently, there are a total of fifty-four Operation theatres, out of which 25 are Major Modular OTs and 18 Major non-modular OTs. Robotic Surgery and Paediatric Cardiac Surgery has been initiated. We have well-equipped Cardiac Cath Lab and endoscopy facilities in Gastroenterology, Pulmono-logy, and Hepatology.

The diagnostic wing of AIIMS Rishikesh has state-of-the-art imaging and investigation labs including Diagnostic & Interventional Radiology, Pathology, Microbiology, and Biochemistry departments to aid in patient care. A total of 35,19,469 diagnostic and 1,65,981 radiological investigations were done in the year 2021-22.

Academics

AIIMS, Rishikesh has been imparting undergraduate Medical Education (MBBS) since 2012 and B.Sc. (Hons) Nursing since 2013. We have 670 MBBS students 446 MD/MS, 177 DM/MCh, 19 MPH & 13 MSc, 90 PhD, 37 PDCC, 153 Paramedical, 374 BSc Nursing and 36 MSc Nursing, total of more than 1600 students.

Institute is also providing many short-term Courses and Diplomas to assist in the upgradation of health professional skills aiming to help combat the shortage of specialized and skilled workforce in the State of Uttarakhand and the Nation at large.

AIIMS, Rishikesh has metamorphosed into an Institute relentlessly working to achieve the mandate of providing excellence in Medical Education.

In a bid to extend our skills and compete with the best in the world, the Medical Education department has been rechristened as the Advanced Center of Continuous Professional Development (CPD) to incorporate not only Medical Education but in the future, we envision eleven or more divisions working in different

aspects of educations, training not only doctors but paramedics, non-medical non-technical staff, and administrators. A state of art Advanced Center of Medical Simulation & Skills for the training of all students is functional since its inauguration by the Hon'ble President of India, on 3 Nov 2018. At AIIMS, Rishikesh a Department of Humanities has been started which is envisioned to play a major role in Medical Education. On 4 April 2019, the Centre of Excellence in Nursing Education and Research (CENER), College of Nursing AIIMS Rishikesh, was inaugurated which has been successfully training Nursing students since then.

Social Outreach Services

Department of Community & Family Medicine has been providing social outreach services i.e. OPD, MCH, School Health, etc. through its four primary health centres & two urban health centres in district Dehradun.

Moreover, under social outreach regular health activities are being organized viz health camps, observing national health days, awareness campaigns, health talks, etc. In last year world hypertension day, world breastfeeding week, and world AIDS day were celebrated to create awareness about issues of public health importance.

Social outreach (Dhanwantari Abhiyan)

To reach out to the last person in far-flung areas with difficult terrain, AIIMS Rishikesh began Dhanwantari Abhiyan in Oct 2017. AIIMS Rishikesh has established a Community Task Force, intending to create awareness regarding Dengue and Covid-19 public awareness among the community. Multiple free health camps have been organized. Social Outreach Cell AIIMS Rishikesh has prepared an online communication platform to deal with the problems of the public and the challenge and danger posed by the pandemic, keeping in view the ever-increasing Covid infection. A "Yuva Josh Programme" has been launched, spreading awareness of youth participation in health scenarios in our country. Recently "Seven Plus" Initiative was launched for the Prevention of Dengue under the SwachhataPakhwada program spreading the Dengue Awareness Programme for frontline staff security/ sanitation staff of AIIMS, Rishikesh.

Research

Institute remains committed to encouraging high-quality Research. Our faculty and scientists are involved in cutting-edge research in various areas. Institute has earmarked more than five crore rupees for research and societal advancement. A total of 120 Intramural Projects have been approved this year. Many extramural projects have been funded by the Department of Biotechnology (DBT) and Department of Science & Technology (DST) and the Uttarakhand State Council for Science and Technology (UCOST), Michel J Fox Foundation, USA, etc. Many new Short Term Studentship projects funded under Undergraduate Scholarship Program Scheme have been undertaken by students, to enhance interest in research and innovation for medical and nursing students, who would be provided with a scholarship after completion of the project.

There are more than 967 publications including 612 PubMed indexed in the year 2021-22. Institute supports patents of innovations put forth by both faculty and students. AIIMS, Rishikesh Ph.D. program was initiated in a bid to provide a platform for candidates from various streams to work on new ideas. A total of 90 candidates have been enrolled till now in various disciplines. To facilitate the exchange of students for gaining experience in diverse fields we have established 25 Memorandum of Understanding (MoU) with various world-class institutions like PGIMER, Chandigarh; Tata Memorial Hospital, Mumbai, NIMHANS, Bengaluru, SGPGIMS, Lucknow; NIHFW, New Delhi; IIT, Roorkee; CSIR-IITR, Lucknow; international collaboration like University Of Colorado Denver, Cornell University for and on behalf of Weill Cornell Medicine, New York, Presbyterian hospital USA, Gorge Washington University Medical school, USA to name a few.

We received a grant of Rs.5 Crores for creating evidence through integrated research on Yoga & Naturopathy. The grant would be developing CCRYN & AIIMS Rishikesh's collaborative centre for Mind-Body Medicine through yoga.

Future expansion plans for AIIMS Rishikesh

Soon AIIMS Rishikesh would have a separate Department of Telemedicine, to not only strengthen our previous efforts but also to enhance online consultation, set up a national Tele-education hub and recording of teaching content of all lecture theatres and auditoria of the institute, to augment existing services of m-Health and Health informatics services, to be a regional resource centre for Tele-evidence and Tele Clinics for different departments of AIIMS, Rishikesh. Telemedicine has been functional in AIIMS Rishikesh since 2018 under two special-

ties- tele-education and teleconsultation. This has been as synchronous or asynchronous consultation using information and communication technology to omit geographical and functional distance, including Virtual OPD (e-Dhanvantari) functional during COVID-19 Pandemic.

AIIMS Rishikesh is also collaborating with e-Sanjeevani OPD and providing teleconsultation.

AIIMS, Rishikesh is planning to provide super specialty tertiary care facilities in the coming years, shaping public health over coming century. After approval of seven Advanced Centres in Standing Finance Committee worth Rs, 500 crores including Block for Transplant Services, Advanced Ophthalmic Centre, Advanced Cardiac Centre, Advanced Neurosciences Centre, Advanced Oncology Centre, Academic block for clinical departments, and Administrative block, their detailed final plans are soon to be rolled out as a step towards execution.

Hon'ble Prime Minister Narendra Modi visited and blessed AIIMS Rishikesh on 8 October 2021. During his visit, the prime minister inaugurated an oxygen plant at the AIIMS Rishikesh, dedicating to the nation one of 35 Pressure Swing Adsorption (PSA) oxygen plants established under the PM CARES Fund. Union Health Minister Mansukh Mandaviya Ji, Uttarakhand governor Lieutenant General (Retired) Gurmit Singh Ji, Uttarakhand Chief Minister Pushkar Singh Dhami Ji, and Heath Uttarakhand Minister Dhan Singh Rawat Ji were also present on this occasion.

On June 13, 2022, the Honourable Chief Minister of Uttarakhand, Shri Pushkar Singh Dhami Ji laid the foundation stone of Madhav Sewa Vishram Sadan in Rishikesh, a 400-bed boarding and lodging facility for patients and their kin coming for treatment at AIIMS Rishikesh.

In continuation of the Government's vision of expanding the health care facilities to mitigate the hardship of the public, the Government of India has taken the initiative to set up a Satellite Centre of AIIMS, Rishikesh in Udham Singh Nagar District of Uttarakhand. The satellite centre at Udham Singh Nagar will cater to the needs of the tertiary treatment of the population of adjoining districts of Uttarakhand and Uttar Pradesh. Thus, in totality, a population of > 2 Crores (approximate) will get the benefit of a satellite centre at Udham Singh Nagar, Uttarakhand.

We are amidst the tumultuous post-pandemic period of Covid-19. AIIMS Rishikesh is providing testing, treatment, and vaccination facilities and is ready to escalate the services, if need be, in the coming future. We honour the countless trust bestowed on us by people and are fully aware of people's expectations from our Institute. We shall continue to work to fulfill our obligations.

I would like to thank you all.

JAI HIND



Prof Meenu Singh
Executive Director & CEO
AIIMS Rishikesh



Prof Meenu Singh

Executive Director & CEO
AIIMS Rishikesh

BIOGRAPHICAL

Name	:	Dr. Meenu Singh
Birth Date	:	November 3, 1958
Birth Place	:	Dharamshala, India
Citizenship	:	Indian
Present Address	:	AIIMS Rishikesh, Uttrakhand

EDUCATION AND TRAINING:

Undergraduate 1976	H.P. University, Shimla (India)	Pre-Medical
Graduate 1979	H.P. Medical College, Shimla (India)	MBBS I Professional 1980
	H.P. Medical College, Shimla, (India)	MBBS II Professional 1982
	H.P. Medical College, Shimla (India)	MBBS III Professional
Postgraduate 1986	Postgraduate Institute of Medical M.D. Education & Research, Chandigarh, India.	
Training		
5/82-5/83	Snowdown Hospital, Shimla,(India)	Internship
1983-86	PGIMER, Chandigarh (India)	Junior Residency Pediatrics
1986-89	PGIMER, Chandigarh, (India)	Senior Residency Pediatrics
3/94-6/94	Department of Child Health & Nine Wells Hospital, Dundee(U.K.)	Fellowship in Respiratory Medicine
7/94-6/1995	Childrens Hospital of Pittsburgh (USA)	Fellowship Pediatrics Pulmonology

Appointments and positions held

July, 2022	
AIIMS Rishikesh	Executive Director
July1st, 2008	
PGIMER, Chandigarh, India	Professor of Pediatrics
July1st, 2001	
PGIMER, Chandigarh, India	Pediatrics
Jul1st 1997-Jun30th 2001	
PGIMER, Chandigarh ,India	Associate Professor Pediatrics
1989 - Jul1st1997	
PGIMER, Chandigarh, India	Assistant Professor Pediatrics
1994 - 1995	
Children's Hospital, Pittsburgh, Pennsylvania, USA 15213	Visiting Assistant Professor Pediatrics Pulmonology

Certificate and Licensure Medical Licensure

1983
Punjab Medical Council (MCI) EP 22559 Year 1983
1994
(US)Pennsylvania LT000218L

Honours, Awards and Medals

Year	Title of Award	Awarding Body
2021	First Prof TU Sukumaran Oration	Respiratory Chapter IAP Kerals
2020	Ken Warren prize	Cochrane Systemic Review Equivalent schedules of intradermal fractional dose versus Intramuscular full dose of inactivated polio vaccine for prevention of polio myelitis (Co-Author) (2020).
2020	Prof N L Sharma Oration Award	King George Medical University, Lucknow
2019	Dr. H Parmesh Oration Award	IAP Karnataka state respiratory chapter
2018	Bharat Ratna Dr. Abdul Kalam Gold Medal	Global economic progress and research association on 28th July 2018 at Chennai.
2018	Professor V K Sharma Oration Award	IAP Himachal Pradesh
2017	Award of Excellence at the All India award function of SPEAK for Promotion of Ethical and Affordable HealthCare	26th Feb, 2017, SPEAK (Society for Promotion of Ethical and Affordable Health care)
2017	Literary Excellence Award, 5th Asiad Literature Festival at Press Club on 17th September 2017	Chandigarh Press Club and Bharat Nirmal Foundation and Gianwati OP Jain Memorial Trust
2016	Prof. N Somu Oration award	28th National conference of Indian Academy of Pediatrics (IAP Respiratory chapter)
2012	International women's day award	Gurukul Vidyapeeth
2008	V. Raju Award for Senior Scientist	Indian college of allergy asthma and Clinical Immunology
2007	Sir Shri Ram Memorial Award of National Academy of Medical Sciences	47th Annual Conference of National Academy of Medical Sciences
2006	Keya Lahiri Awards	Respiratory Chapter of Indian Academy of Pediatrics
2005	V Raju Award	Indian college of allergy, Asthma and Applied Immunology
2005	STAchar Award	Indian Academy of Pediatrics.
2004	Best Poster award	American College of Chest Physicians at their annual conference
2002	FCCP	American college of chest physicians
1982	Best Graduate Award, Gold medal in final professional of MBBS	Himachal Pradesh Medical College, H.P University

International Fellowships / Scholarships Awarded

1. Fellowship in Pediatric Respiratory Medicine (Nine Wells Hospital, Dundee, UK).1994
2. Fellowship of the American Association of Physicians of India.1995.
3. Visiting Research Fellowship. UK Saturday Hospital Trust. 2001.
4. Travel grant from child Health International to attend an n orientation course on Cystic fibrosis at Southampton, UK. 2006.
5. Grant to attend as Faculty a short course on evidence based child health at Institute of Child Health. London. 2006.
6. Grant to attend the Launch of Oslo Satellite of Cochrane effectiveness of practice and organization of care by Norwegian Knowledge Centre.November2006.

Fellowships in Professional and Scientific Societies

1. American College of Chest Physicians (FCCP), 2002
2. Cochrane Collaboration: Cochrane Review Group (CRG) Reviewer for acute respiratory infections, Airways Group and Cystic fibrosis Group.
3. Fellowship of the Indian Academy of Pediatrics (FIAP) 2003 No:F/2003/S-49
4. Fellowship of Indian college of Allergy Asthma and Applied immunology

Administration:

Dr Meenu Singh was trained as a pediatric Pulmonologist at the Children'sHospital, University of Pittsburgh, USA in 1994-95. Since then she consistently worked in Indiain the field of Pediatric Pulmonology at the Advanced Pediatrics Centre, PGIMER, Chandigarh. She is incharge of the pulmonology clinic in Advanced Pediatric centre. Dr Meenu Singh also heads the tele medicine centre now designated as department of telemedicine at PGIMER using technology developed by ISRO and DIT. She is also in charge of Regional Resource Centre and National Knowledge Network at PGIMER and has developed a wide ranging tele-education network of medical colleges. She is member of steering cum coordination committee for tele-medicine and e-learning of MoHFW. She is also chairperson of

the Suo Motto committee of PGIMER, Chandigarh. Dr Singh has been a pioneer in Evidence based child health in India. Considering her outstanding contribution in this field ICMR has built a Centre for Advanced Research in Evidence based Child health (March2012 - March 2018) at Advanced pediatric centre in PGIMER, Chandigarh. This centre has produced high quality systematic reviews and advising policy on immunization strategies, newer vaccines, etc. The centre has now been sanctioned by ICMR for next five years (Nov 2019-Nov 2024) as Centre for Advanced Research in Evidence based Child health phase-II.The capacity in the field of evidence based child health is also been developed for north east region with the support of ICMR, New Delhi.

She conducted several TB awareness camps in the UT of Chandigarh incollaboration with Rotary Club of Chandigarh. She continues to be the Editor The Cochrane Library. She is also the Editor in Chief of the official website of PGIMER and member of the research committee of PGIMER. She continues to chair the SAC of ICMR advanced centre for Research for a respiratory Diseases at AIIMS, New Delhi. She is the principle investigator for ICMR Advanced Centre for Research on Evidence based Child health. She continues to head the Department of Telemedicine. She is Chief Editor - PGI website. She is Nodal Officer-National Knowledge Network (NKN), Regional Resource Centre (RRC) PGIMER, Chandigarh.

Memberships:

International

1. British Pediatric Respiratory Society.
2. European Cystic fibrosis Society
3. Life member American College of Chest Physicians (Indian chapter)
4. American Thoracic Society

National

1. President Elect, Telemedicine Society of Indiain 2020.
2. Fellow of the National Academy of Medical Sciences (India) in the year 2018
3. Life member of Indian Academy of Pediatrics (IAP) (L-86,S-36)
4. Life Member Respiratory Chapter of Indian Academy of Pediatrics.

5. State Co-ordinator Respiratory Chapter of IAP.
6. Life member of National Neonatology Forum (NNF)
7. Life Member of Indian College of Allergy, Asthma and Immunology (LM-378)
8. Life member of North-West Chapter, IAP
9. Life member of Chandigarh Chapter of Indian Academy of Pediatrics
10. Life Member of Indian Association of Medical Informatics.
11. Life member Tele medicine Society of India
12. Vice President of the Tele medicine Society of Indiain 2020
13. Dean of Medical Faculty of Baba Farid University, Faridkot, Panjab.

Important Offices Held

1. General Secretary, Chandigarh Chapter of IAP for the year 1996-97
2. Founder Convener, IAP Evidence based Medicine Cell
3. Coordinator, South Asian Cochrane Network Site at PGIMER, Chandigarh
4. Course Director: DBT Orientation course on biotechnology for Post Graduate Medical Teachers.
5. Officer Incharge, Official Website of the PGIMER, Chandigarh. www.pgimer.nic.in
6. Member, Tele medicine Centre,PGIMER, Chandigarh.
7. Coordinat or SAARC, Tele medicine Network
8. Convener. Ethics Committee, PGIMER, Chandigarh.
9. Head, Tele medicine Centre, PGIMER, Chandigarh
10. Head, ICMR Advanced Centre for Evidence based child health, PGIMER, Chandigarh

Editorship for International Journals

Editor for The Cochrane Library. Cochrane ARI Group, 2003. Editing and critically appraising systematic reviews Cochrane Airways Group and Cochrane Acute Respiratory Infections Group for publication in the Cochrane Library, published by Update SoftWare, Oxford, UK.

Invited/HonoraryFaculty

- Faculty for the National Teacher Training Course (NTTC) since 1991.
- Workshop faculty for Cochrane Colloquium, September 1996, Adelaide, Australia
- Workshop on Concerns of Collaborators from Developing Countries.
- Member of the Expert Group for formulation of Guidelines for management of asthma. (Indian Academy of Pediatrics and Indian College of Allergy, Asthma and Immunology)1999, 2001.
- Member of the Expert Group for emulating Guidelines for COPD Management in India, in the Workshop sponsored by WHO, India. (2002-2003)
- Member of the Expert group for formulating Guidelines for Diagnosis of Childhood Tuberculosis by Indian Academy of pediatrics (2003)
- Plenary speaker at the President's symposium on Evidence based Medicine, during National Convention of IAP, at Bangalore in January 2002.
- Scientist contributor to WHO Project: Global adherence inter disciplinary network (GAIN). Adherence to long term therapies: Evidence for action.2003.
- Invited speaker for National Conference of Indian Academy of Pediatrics, January 2004, Chennai. Topic: Multi drug resistant tuberculosis.

Examinership:

1. MD (Pediatrics) Thesis evaluation for All India Institute of Medical Sciences, New Delhi 2000-2001.
2. MD (Pediatrics) Examiner for Himachal Pradesh University, Shimla. 2001.
3. MD Pediatrics, PGIMER,Chandigarh.
4. MD Medicine, PGIMER, Chandigarh.
5. MBBS, Government Medical College, Chandigarh. December 2002.
6. Examiner for MD&Ph. Dthesis of AIIMS and KGMC Lucknow.

International/ National Conference and meetings at tended along

Brief Glimpse of Progress of AIIMS Rishikesh

S.No.	Achievement	2021-22
1	Faculty	215
2	Under Graduate (UG)	670 (125 / year)
3	Post Graduate (PG) MD/MS	446
4	DM/MCh	177
5	PG Diploma	35
6	PhD Candidates	90
7	M.Sc Nursing	13
8	B.Sc. Nursing Students Batch Strength	374 (100 / year)
9	Courses	31 (65 more approved)
10	Research	120 Intramural projects
11	Beds strength	960
12	Trauma Services	Fully Operational
13	Tertiary Care	Cardiology, Neurosurgery, CTVS, Nephrology, GI Surgery, Urology, Head & Neck Oncology, Neonatology, Neurosurgery, Trauma Surgery, Radiotherapy, Interventional Radiology
14	Heliport	Started on 13 August 2020
15	e-Hospital	Fully Functional
16	Stroke Unit	Fully functional
17	Buildings	Trauma Center completed Nursing College completed Auditorium 99% completed (delay due to Corona)
18	Hygiene	Fully Mechanized
19	Faculty/Resident Development Programmes	68
Hospital Services		
20	Ventilators	300
21	OPD (patients registered)	4,89,852
22	IPD (patients registered)	48,632
23	Operation Theatres (OT's)	54 (25 Modular OT, 18 Major, 11 Minor)
24	Surgeries (Major)	8,234
25	Surgeries (Minor)	3,364
26	Diagnostic Investigations	3685450
27	Autopsy	497
#	**Achievements**	**2021-22**
28	New Clinic Functioning	Afternoon Specialty Clinics = 100 Aesthetic, ART, Assisted Reproduction (IVF) & Infertility, Breast disorders and Breast, Cancer, Bronchial Asthma, Cardiac Electrophysiology, Child &

		Adolescent Psychiatric, Clubfoot, Colorectal, COPD, Cornea, Cosmetic, Reconstructive Gynaecology and Urogynaecology, Craniofacial,De-Addiction, Demyelinating, DiabetesMellitus, Diabetic foot & Traumatic Brain Injury (TBI) Rehab, Dialysis, Eczema & Dermatitis, Endocrine Surgery, Epilepsy, Female Pelvic Medicine & Neuro urology, Fever, Geriatric, Geriatric, Glaucoma, Gynaecology Oncology, Haepato- pancreato Biliary, Hand, Head & Neck, Headache & Botulinum Toxin, Heart Failure, Hypertension & Life style Disease, Interstitial Lung Disease, Joint Replacement, Leprosy Leukemia & MPN, Liver, Lung Cancer, Male Infertility, Men's Health, Motion Analysis, Movement Disorders, Musculoskeletal Tumour, Myeloma & Lymphoma, Neonatology Nerve Muscle & Stroke, Neuro-Psychiatry, Orthopaedic Hand & Brachial Plexus, Otology & Neurootology, Paediatric Dermatology, Paediatric epilepsy, Paediatric Ophthalmology, Paediatric Orthopaedics, Painintervention & Amputee Rehab, Palliative and Rehabilitation, Palliative Care, PAP (for OSA), Paediatric Endocrinology, Paediatric Genetic, Paediatric Neurology, Paediatrics Asthma, Paediatrics Nephrology, Pigmentary PMR Rheumatology, Preventive oncology, Psoriasis & Immunobullous Disease, Retina, Rheumatology, Rhinology & Skull Base, Scoliosis, Shoulder, Sleep Disorder, Special Emergency Medicine, Sport Injury, Squint & Orthopaedics, STI Stroke & Spinal Cord Injury (SCI) Rehabilitation, Suraksha, Surgical Oncology (Head & Neck Cancer), TB, TB Spine, Thoracic Surgery, Vertigo

29	Construction completed	a) C/o 72 NOS Type –V and 27 Nos Type –VI quarters for senior doctors and staff. b) Establishment of IVF lab c) SITC of 2250 KVA DG set for HVAC system d) SITC of 4 nos lifts for MGPS , Trauma Center& Dietary Services at AIIMS Rishikesh e) Auto-walk travellator for connecting A,B,C & D blocks. f) SITC of Fire Alarm and CO sensor in guest house at AIIMS Rishikesh
30	New Construction	a) Supply Installation Testing Commissioning of 1 nos. additional cooling tower for HVAC system b) Molecular lab c) VRDL Lab d) MRU Lab e) Up gradation of Paediatric ICU f) Construction of Auditorium Building including HVAC , Fire Fighting and Fire alarm system, Smoke venting system & Audio Visual system etc. g) Work of Fountains, Public addressing system, Fire Fighting and Fire alarm system in Hospital Complex , Nursing college, Trauma Centre and ancillary buildings under Package-II & Package-IV etc.
31	New Machinery functional in 2021-22 and installed in previous years.	Robotic Surgery, Radiotherapy Services (Linac Services started Brachytherapy), 16 Slice CT Simulator, Gamma Camera, Dialysis Service, 3D Motion Analysis & VR Lab (PMR), Simulation Lab, 128 Slice CT Scan, 3 Tesla MRI Machine.



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ADMINISTRATION



AIIMS
RISHIKESH

2. ADMINISTRATION

Administration is the backbone of any Institute / Body. All India Institute of Medical Sciences Rishikesh is has two arms.

1. **INSTITUTE** – Institute consists of teaching & research
2. **HOSPITAL** – Patient care.

Administration is integral part of both above arms. It works as soul in the body. All works related to administrative policy of Government & institute are looked after by the Central Government.

Director & CEO, AIIMS Rishikesh is the administrative head of whole Institute whereas administration is headed by Deputy Director (Admin).

Following hierarchy is followed in administration department at AIIMS Rishikesh.

Deputy Director (Admin) - Senior Administrative Officer - Administrative Officer - AAO - JAO - JAA

Although AIIMS Rishikesh is an autonomous body established under Act of Parliament under the Pradhan Mantri Swasthya Suraksha Yojana (PMSSY) scheme of Ministry of Health and Family Welfare (MoHF&W), Government of India, all rules and regulations of Department of Personnel and Training (DOPT), Ministry of Personnel, Public Grievances and Pensions, Government of India are applicable at the Institute.

General administration is involved in almost all assignments and activities of Institute, however it mainly deals with recruitment, procurement, complaint and grievances handling, RTI replies, Ministry and Parliament compliance, security matters, employee trainings and welfare, human resources management, learning resources management, event management, etc.

AIIMS, Rishikesh Administration

S. No.	Designation	Name	Period	
			From	To
1.	Director & CEO	Prof. Ravi Kant	14-04-2016	13-09-2021
2.	Director & CEO	Prof. Arvind Rajvanshi	14-09-2021	06-07-2022
3.	Director & CEO	Prof. Meenu Singh	07-07-2022	Cont…
4.	Dean (Academic)	Prof. Manoj Gupta	26-08-2019	25-08-2022
5.	Dean (Academic)	Prof. Jaya Chaturvedi	26-08-2022	Cont…
6.	Medical Superintendent	Prof. Ashwani Kumar Dalal	01-10-2021	31-05-2022
7.	Medical Superintendent	Prof. Sanjeev Mittal	01-06-2022	Cont…
8.	Dy. Director (Admin)	Lt. Col. A. R Mukherjee	13-09-2021	Cont…
9.	Financial Advisor	Comdt. P. K Mishra	09-08-2019	07-08-2022
10.	Financial Advisor	Lt. Col. W. S Siddarth	08-08-2022	Cont…
11.	Superintendent Engineer	Shri B.S. Rawat	21-06-2021	20-06-2022
12.	Superintendent Engineer	Shri Ajay Kumar	21-06-2022	Cont..
13.	Registrar	Shri Rajeev Chaudhary	21-05-2018	Cont…
14.	Public Relation Officer	Shri Harish Thapliyal	27-09-2014	Cont…
15.	Senior Administrative Officer	Shri Shashi Kant	04-06-2021	Cont…
16.	Senior Librarian Shri Sandeep	Kumar Singh	09-04-2018	Cont…
17.	Executive Engineer (AC&R)	Shri Ragul P.K	01-09-2021	Cont…
18.	Executive Engineer (Civil)	Shri Ajay Kumar	22-03-2021	Cont…
19.	Executive Engineer (Civil)	Shri Vipul Kumar Mishra	30-05-2022	Cont…
20.	Administrative Officer	Smt. Santosh	17-07-2019	28-02-2022
21.	Law Officer	Shri Pradeep Chandra Pandey	24-07-2019	Cont…
22.	Account Officer	Shri Rajiv Gupta	31-01-2020	Cont…
23.	Account Officer	Shri Sunil Chhikara	30-06-2021	Cont…
24.	Account Officer	Shri Rajendra Kumar	29-06-2021	Cont…

Administration – Organization Chart



Departmental activities :

1. Events and Ceremonies

Days of national festivals like Republic Day (26th January), Independence day (15th August), Gandhi Jayanti (2nd October , Ambedkar Jayanti (14th April) ,Constitution Day (26th November) were celebrated. Ceremony and functions were organised in Institute adhering to COVID Protocols as per direction of Govt. of India.

Also, International Yoga Day was celebrated in the Institute on 21 June, 2020. Swachhata Pakhwada was conducted in Institute during month of July.

2. Digitisation

In order to implement and encourage "DIGITAL INDIA" campaign of Ministry of Electronics and Information Technology, and Ministry of Finance, Government of India, AIIMS RISHIKESH successfully implemented E-office for overall management and administration in Institute.

Besides above, following online portals are also functional at full pace at AIIMS Rishikesh

a) E-hospital - Hospital management and patient care.
b) Campus management system - Medical education management.
c) E-Tender and GEM - Procurement
d) ONLINE REGISTRATION SYSTEM (ORS) – Outpatient and Inpatient registration.
e) MERA ASPATAAL – Patient feedback and grievance handling.
f) Online RTI portal.
g) Public Finance Management System (PFMS) – Payments and payroll.
h) Fully functional Biometric attendance systems for faculties, officers and others employees.

3. New initiative of department

a) New user friendly bilingual signage's are displayed in institute
b) Abolishment of manual leave system for faculties, officers and other employees.
c) Indents for stores are received electronically by mail or e-office.
d) Employee Health Scheme (EHS) implemented for welfare of all employees and CGHS facility is being initiated for Central Government employees in the Institute.

e) To celebrate Azadi Ka Amrit Mahotsav on completion of 75th Year of Independence

f) To aware employees for using Biodegradable bags for promoting Swatch Bharat Aabhiyan.

4. Workshop/ conference/training organized by department

Various training and workshops were organized through online mode in year 2020-21 for the purpose of capacity building, training and enlightening of faculty, officers and other employees of Institute about government rules and regulations, CCS Conduct Rules, Office procedures, verbal and non-verbal communication skills, General Financial Rules (GFR) 2017, Rajbhasha Implementation etc.

Keeping in view of Covid-19 situation following online training programs were conducted during Vigilance Awareness Week Program (27.10.2021-02.11.2021)

a) Pledge/e-Pledge for all faculty/Officers/Staff and employees of AIIMS Rishikesh

b) Prevention of Corruption Act, 1988 (The Act) and RTI – By Sh. Pradeep Chandra Pandey

c) Vigilance Awareness- for tracking corruption and deficit in governance and permission under conduct rules – By Smt. Santosh , Administrative Officer

d) Vigilance guidelines for scrap disposal – By Sh. Pankaj Rana, Sr. Administrative Officer

e) Vigilance Guidelines for Tender and Procurement cases- By Sh. Anurag Singh, Superintending Engineer

f) Vigilance w.r.t GFR Rules- By Comdt P.K Mishra, Finance Advisor/Sh. Rajiv Gupta, Account Officer

g) Concluding Ceremony & Prize/Award distribution- By Smt. Santosh, Administrative Officer

5. Future plan of department

a) e-APAR will be implemented for all employees of AIIMS Rishikesh.

b) Radio-Frequency Identification (RFID) card will be implemented for all employees in view of COVID-19 Pandemic.

c) To Communicate with Part-A states (like U.P. M.P. Rajasthan etc.) only in Hindi Language and Part-B & C states in Bilingual.

d) All Office Order & other necessary documents will be published on Institute's website as well as E-Office.

e) Implementation of e-Service Books for all Group-B & C employees.

f) Leaves of all employees will be applied through e-office for saving papers (to promote Green India Mission)

g) To ensure appointment of at least one Woman employee in every Section for Women Empowerment.

6. Other activities

a) Participated in the event of Azadi Ka Amrit Mahotsav (conference on Labour Law) THDC India Limited, Rishikesh.

b) Participated in the event of SC, ST act organized by SC Commission, Dehradun.

7. Awards & honours received

Cash Prize won by the all administrative staffs on the event of 15th August 2021, distributed by the Competent Authority, AIIMS Rishikesh.

Institutional Bodies

8 Institute Body

S.No.	Name	Designation
1.	**Prof Samiran Nundy (Padma Shri)** Co-Chairman, Department of Academics, Sir Ganga Ram Hospital	President
2.	**Shri Tirath Singh Rawat** Hon'ble Member of Parliament, Lok Sabha	Member
3.	**Shri Ajay Bhatt** Hon'ble Member of Parliament, Lok Sabha	Member
4.	**Shri Anil Baluni** Hon'ble Member of Parliament, Rajya Sabha	Member
5.	**Shri Rajesh Bhushan, IAS** Secretary, MoHFW, Govt. of India	Member
6.	**Prof (Dr.) Atul Goel** Director General of Health Services, MoHFW, Govt. of India	Member
7.	**Shri. Jaideep Kumar Mishra IAS** Additional Secretary & Financial Adviser, MoHFW, Govt. of India	Member
8.	**Shri S. S. Sandhu, IAS** Chief Secretary, Govt. of Uttarkhand	Member
9.	**Prof Om Prakash Singh Negi,** Vice Chancellor, Uttarakhand Open University, Haldwani, Uttarakhand	Member
10.	**Prof Lalit Kumar Awasthi** Director, NIT, Srinagar, Uttarakhand	Member
11.	**Prof Virinder Kumar Bansal** Professor, Department of Surgery, AIIMS New Delhi	Member
12.	**Prof Gurpreet Singh** Former Professor & Head Department of General Surgery, PGIMER, Chandigarh	Member
13.	**Prof Sushil Bhati** Senior Professor Department of Anaesthesia, SMS Medical College, Jaipur, Rajasthan	Member
14.	**Prof Damodar Shenoy** Professor & HOD, Department of Emergency Medicine, Kasturba Medical College, Mangalore, Karnataka	Member
15.	**Prof Anoop Kumar Jain** General Secretary (Scientific Activities), Indian Science Congress Association.	Member
16.	**Prof Ashok Puri** Distinguished Professor, Jaipuria Institute of Management, Noida, Uttar Pradesh	Member
17.	**Prof Meenu Singh** Executive Director& CEO, AIIMS, Rishikesh	Member Secretary

ACADEMIC SECTION







3. ACADEMIC SECTION



Dean Academics
Prof Jaya Chaturvedi



Associate Dean (UG)
Dr. Manisha Naithani



Associate Dean (PG)
Dr Poorvi Kulshrestha



Associate Dean (Misc)
Dr Vandana Dhingra

Academic Section has following Deaneries -

S.No.	Name of Deaneries	Designation
1	Prof Manoj Gupta	Dean (Academics)
2	Dr Manisha Naithani, Additional Professor (Biochemistry)	Associate Dean (UG)
3	Dr Poorvi Kulshrestha, Additional Professor (Physiology)	Associate Dean (PG)
4	Dr Vandana Dhingra Additional Professor (Nuclear Medicine)	Associate Dean (Misc)

1. Academic activities

1.1 Total No. of students passed in the following examination:

Name of Examination	No. of Students	Batch
1st MBBS Professional	117	2020
2nd MBBS Professional	103	2019
3rd MBBS Professional	108	2018
Final MBBS Professional	99	2017

1.2 New initiative/development for teaching & training

Reframing examination nomenclature

MBBS First Prof (2019 Batch)	**Exam 1** (Terminal) Oct 2019	**Exam 2** (Terminal) Jan 2020	**Exam 3** (Terminal) May 2020	**Exam 4** (First Prof) June 2020	**Exam 5** (Supplementary Exam) Sept 2020
MBBS Second Prof (2018 Batch)	**Exam 6** (Terminal) Feb 2020	**Exam 7** (Terminal) July 2020	**Exam 8** (Terminal) Oct 2020	**Exam 9** (Second Prof.) Nov 2020	**Exam 10** (Supplementary Exam) April 2021
MBBS Third Prof (2017 Batch)	**Exam 11** (Terminal) March 2020 (Third Prof subjects)	**Exam 12** (Terminal) June 2020 (Third Prof)	**Exam 13** (Terminal) Oct 2020 (Third Prof subject) Practical Third Prof	**Exam 14** (Third Prof) Nov 2020	**Exam 15** (Supplementary Exam) April 2021 (Third Prof)
MBBS Fourth Prof (2017 Batch)	**Exam 16** (Terminal) March 2021	**Exam 17** (Terminal) June Fourth Prof 2021 (Sub-Speciality subjects)	**Exam 18** (Terminal) Oct Fourth Prof 2021 (Practical)	**Exam 19** (Fourth Prof) Dec 2021	**Exam 20** (Supplementary Exam) April 2022 (Fourth Prof)

Change in Distribution of Internal Assessment is as follows:

Internal assessment would be 50% of total marks for both Theory and Practical. Internal Assessment theory and practical distribution will be as follows:

Theory Internal Assessment (50%)	**Practical Internal Assessment (50%)**
For 1,2, 3 & 4 Professional 1. Each of first two terminals constitute 10 % +10% marks = 20% 2. Last terminal constitute 15 % 3. Formative assessments = 15% (1-2 marks per month over duration of each professional total 15%)	For 1 & 2 Professional 1. Each of first two terminals constitute 10 % + 10% marks = 20% 2. Last terminal constitute 15 % 3. Formative assessment = 15% (1-2 marks per month over duration of each professional total 15%)
	For 3 & 4 Professional 1. OSCE = 20% 2. Last terminal constitute 15 % 3. Formative assessment = 15% (1-2 marks per month over duration of each professional total 15%)
Minimum score for appearing in Professional Examination will be 50% in theory of all terminal together in that particular subject	Minimum score for appearing in Professional Examination will be 50% in practical of all terminal together in that particular subject
Students will have to pass in both theory and practical separately to appear in Professional Examination by scoring 50% or more marks.	

Distribution of Marks among Professional years:

Subjects	Marks
Professional I	
Anatomy	200
Biochemistry	200
Physiology	200
Professional II	
Microbiology	200
Pathology	200
Pharmacology	200
Forensic Medicine	100
Professional III	
CFM	200
Ophthalmology	100
Dermatology	100
ENT	100
Orthopaedics	100
Psychiatry	100
Professional IV	
Medicine	300
Obs.& Gynae	300
Paediatric and Neonatology	300
Surgery	300
Total	**3200**

Competency is defined as “the ability to do something successfully and efficiently”, and CBME is an approach to ensure that graduates develop competencies required to fulfill the patients' needs in the society. Core committee was constituted for effective implementation of Competency Based Medical Education in Institute.

PICE Classes

Communications skills simultaneously integrated with Interpersonal Relationships, Ethics and Professionalism are very essential for medical practice. It is a backbone over which lot of areas of patient care rests. To develop above virtue in AIIMS Rishikesh students teaching Course on Humanities & PICE (Professionalism, Interpersonal Relationship, Communication and Ethics) for MBBS was started.

Scrub Suit

In an effort to appraise students importance of hygiene and overall presentation in healthcare profession, Scrub -suitswere made mandatory for all students. Students not complying to dress code, to be marked absent.

Evening Posting

In an effort to increase clinics exposure, evening clinical postings were introduced.

Introduction of AYUSH as a new course

New course on AYUSH introduced for first year MBBS students.

1.3 Number of students in various categories

MBBS Batch	Sanctioned	EWS	UR	OBC	ST	SC	Foreign National	Total
2021	125	13	48	34	9	19	2	125
2020	125	12	53	33	9	18	-	125
2019	100	-	51	27	7	15	-	100
2018	100	-	50	27	8	15	-	100
2017	100	-	33	45	6	16	-	100
2016	100	-	36	36	6	20	-	98

1.4 State/Union territory wise number of students on roll (MBBS)

BATCH 2021	
STATE	**NO. OF STUDENTS**
ANDHRA PRADESH	2
ASSAM	2
BANGLORE	2
BIHAR	5
CHAATTISGARH	1
GOA	1
GUJARAT	2
HARYANA	21
JHARKHAND	1
KARNATAKA	3
KERALA	3
MADHYA PRADESH	5
MAHARASHTRA	3
ODISHA	2
PUNJAB	11
RAJASTHAN	38
TAMIL NADU	1
TELANGANA	2
UTTAR PRADESH	13
UTTARAKHAND	2
WEST BENGAL	4
NEPAL	1

BATCH 2020	
STATE	**NO. OF STUDENTS**
ANDHRA PRADESH	3
ASSAM	1
BANGLORE	1
BIHAR	6
CHAATTISGARH	2
DELHI	3
GOA	2
GUJARAT	1
HARYANA	14
HIMACHAL PRADESH	5
JAMMU AND KASHMIR	1
JHARKHAND	1
KARNATAKA	1
KERALA	1
MADHYA PRADESH	7
MAHARASHTRA	7
PUNJAB	11
RAJASTHAN	40
TAMIL NADU	1
TELANGANA	2
UTTAR PRADESH	11
UTTARAKHAND	3
WEST BENGAL	1

BATCH 2019	
STATE	**NO. OF STUDENTS**
ASSAM	1
BIHAR	2
DELHI	1
HARYANA	16
HIMACHAL PRADESH	2
KERALA	1
KOLKATA	2
MAHARASTRA	2
MP	2
NEW DELHI	4
PUNJAB	16
RAJASTHAN	38
UP	9
UTTARAKHAND	3
WEST BENGAL	1

BATCH 2018	
STATE/UT	**NO. OF STUDENTS**
PUNJAB	23
UTTARPRADESH	12
HARYANA	14
RAJASTHAN	33
UTTARAKHAND	3
DELHI	4
HIMACHAL PRADESH	3
MADHYA PRADESH	3
KERALA	2
TELANGANA	2
ASSAM	1
TOTAL	**100**

Courses available :

S.No.	Paramedical	Number of students
1	Anaesthesia Technology	23
2	Dental Hygiene	3
3	Medical Laboratory Technology	39
4	Medical Radiology & Imaging Technology	10
5	Nuclear Medicine Technology	11
6	Perfusion Technology	1
7	Respiratory Therapy	2
8	Urology	3
9	Radiotherapy Technology	5
10	Sleep Technology	1
11	Bachelor of optometry	20
12	Dental operating Room Assistant	2
13	Neuro Monitoring Technology	2
14	Orthoaedics Technology	1
15	Perfusion Technology	2
16	Radiotherapy Technology	4
17	Respiratory Therapy	6
18	Sleep Laboratory Technology	2
	Total	**138**

2. POSTGRADUATE STUDENTS

Research Methodology Course

Purpose of research is to discover answers to questions through the application of scientific procedures with objective of developing research aptitude and introduction to right tools to approach any research questions. Research Methodology course started for Postgraduate and Ph.D students which would help them while conducting their dissertation.

Age bar for admission under PDCC, Fellowship and Postgraduate Courses was removed.

Book Allowance for Residents (Academic)

Office initiated book allowance for SRs & JRs of Rs 3000/- and 2000/- respectively, to be availed for 03 times in overall tenure.

Mandatory courses for MSc and MPH students

Following courses were made mandatory for MSc and MPH students

a. BLS
b. Occupational Health Hazards & Vaccination
c. Biomedical Waste Management
d. Hand Hygiene
e. Research Methodology & Biostatistics
f. Evidence Based Medicine
g. Skill Enhancement of Effective Digital Presentation
h. Clinical Photography
i. Good Clinical Practice
j. Plagiarism & Referencing

Academic Leave for Residents

Introduced provision of leaves for Senior Residents to attend academic activities with total seven (07) days leave in one financial year.

2.1 Admissions in various courses :

S.No.	Name of Course	Batch 2020-21	Batch 2021-22	Number of Student
1	DM/M.Ch.	66	41	107
2	PDCC & FELLOWSHIP	17	24	41
3	MD/MS/MDS	371	178	549
4	Medical M.Sc.	11	00	11
5	Master of Public Health	06	07	13
6	B.Sc. (Allied Health Sciences)	54	57	111
	Total	525	307	832

2.2 Postgraduate students on rolls

Sl.No.	Name of Course	Number of Students on roll	
		2020-21	2021-22
1	DM	100	85
2	M.Ch	120	94
3	PDCC &Fellowship Program	67	41
4	MD	410	444
5	MS	89	81
6	MDS	6	12
7	M.Ch (6 Year)	6	12
8	MSc	17	17
9	Master of Public Health	22	22
10	B.Sc. (Allied Health Sciences)	138	138
	Total	975	946

2.2.1 Subject-wise distribution of PhD students on roll

Sl.No.	Subject	Open		Sponsored	
		2019-20	2020-21	2019-20	2020-21
1	Medical & Nursing students	25	07	NA	NA

2.2.2 Subject-wise distribution of DM students on rolls

Sl. No.	Subject	2020-21 Open	2020-21 Sponsored	2021-22	2021-22 Open	2021-22 Sponsored
1	Addiction Psychiatry (DM)	2	0	Addiction Psychiatry (DM)	2	
2	Cardiac Anaesthesiology (DM)	5	0	Cardiac Anaesthesiology (DM)	5	
3	Cardiac Intensive Care	1	0	Cardiac Intensive Care	1	
4	Cardiology (DM)	8	1	Cardiology (DM)	10	1
5	Clinical Hematology (DM)	6	0	Clinical Hematology (DM)	5	
6	Clinical Immunology & Rheumatology (DM)	4	1	Clinical Immunology & Rheumatology (DM)	5	1
7	Clinical Pharmacology	3	0	Clinical Pharmacology	3	
8	Craniomexillofacial Surgery	1	0	Craniomexillofacial Surgery	1	
9	Critical Care Medicine (anaesthesialogy) (DM)	10	0	Critical Care Medicine (anaesthesialogy) (DM)	10	
10	Endocrinology	1	0	Endocrinology	3	
11	Gastroenterology (DM)	4	1	Gastroenterology (DM)	7	1
12	Haemato-pathology	1	0	Haemato-pathology	2	
13	Hospital Medicine & Critical Care	1	1	Hospital Medicine & Critical Care	3	1
14	Medical Oncology (DM)	1	0	Medical Oncology (DM)	4	
15	Neonatology (DM)	9	0	Neonatology (DM)	10	
16	Nephrology (DM)	4	0	Nephrology	1	
17	Neuroanaesthesia And Critical Care (DM)	2	0	Nephrology (DM)	4	
18	Neuroanaesthesiology & Critical Care	5	0	Neuroanaesthesia And Critical Care (DM)	1	
19	Neuroimaging And Interventional Neuroradiology	1	0	Neuroanaesthesiology & Critical Care	7	
20	Neurology (DM)	6	0	Neuroimaging And Interventional Neuroradiology	1	
21	Onco-anaesthesiology (DM)	2	0	Neurology (DM)	6	
22	Paediatric Gastroeneterology (DM)	2	0	Onco-anaesthesiology (DM)	2	
23	Paediatric Neurology	2	0	Paediatric Gastroeneterology (DM)	2	
24	Pain Medicine (anaesthesiology)	6	1	Paediatric Neurology	2	
25	Pain Medicine (PMR)	2	0	Pain Medicine (anaesthesiology)	7	1
26	Pulmonary, Critical Care & Sleep Medicine (DM)	5	1	Pain Medicine (PMR)	2	
	Total	**94**	**6**	Pulmonary, Critical Care & Sleep Medicine (DM)	9	
				Total	**115**	**5**

2.2.3 Subject-wise distribution of M.Ch students on rolls

Sl. No.	Subject	2020-21 Open	2020-21 Sponsored		2021-22 Open	2021-22 Sponsored
1	Breast Surgery	2	0	Breast, Endocrine Surgery (breast Surgery)	2	
2	Cosmetic Gynaecology	1	0	Cosmetic Gynaecology	1	
3	Gynaecology Oncology (M.Ch)	2	1	Gynaecology Oncology (M.Ch)	4	1
4	Head-neck Surgery & Oncology (M.Ch)	8	0	Head-neck Surgery & Oncology (M.Ch)	8	
5	Joint Replacement & Reconstruction	4	0	Joint Replacement & Reconstruction	5	
6	Minimal Access Surgery & General Surgery (M.Ch)	1	0	Minimal Access Surgery & General Surgery	1	
7	Neurosurgery (M.Ch)	10	0	Minimal Access Surgery & General Surgery (M.Ch)	1	
8	Paediatric Orthopaedic Surgery (M.Ch)	6	0	Neurosurgery (M.Ch)	9	
9	Paediatric Surgery (M.Ch)	1	0	Paediatric Orthopaedic Surgery (M.Ch)	6	
10	Plastic & Reconstructive Surgery	1	0	Paediatric Surgery (M.Ch)	2	
11	Plastic & Reconstructive Surgery	7	0	Plastic & Reconstructive Surgery	4	
12	Spine Surgery (M.Ch)	6	2	Plastic & Reconstructive Surgery	5	
13	Sports Injury (M.Ch)	1	0	Spine Surgery (M.Ch)	7	2
14	Surgical Gastroenterology (m.ch.)	4	0	Sports Injury (m.ch.)	2	
15	Surgical Oncology (M.Ch)	5	3	Surgical Gastroenterology (M.Ch)	5	
16	Trauma Surgery And Critical Care	2	0	Surgical Oncology (M.Ch)	5	3
17	Trauma Surgery And Critical Care (M.Ch)	6	0	Trauma Surgery And Critical Care	1	
18	Urology (M.Ch)	12	0	Trauma Surgery And Critical Care (M.Ch) Urology (M.Ch)	7 13	
	Total	**79**	**6**	**Total**	**88**	**6**

2.2.4 Subject-wise distribution of M.Ch (6 years course) on rolls

Sl. No.	Subject	2020-21 Open	2020-21 Sponsored		2021-22 Open	2021-22 Sponsored
1	Neurosurgery	2	0	Cardio-thoracic Vascular Surgery (CTVS) [M.Ch 6 Years]	3	0
2	Paediatric Surgery (M.Ch 6 Years Course)	4	0	Neuro Surgery (M.Ch 6 Years)	3	0
	Total	**6**	**0**	Paediatric Surgery (M.Ch 6 Years Course)	6	0
				Total	**12**	**0**

2.2.5 Subject-wise distribution of fellowship students on rolls

Sl. No.	Subject	2020-21		Subject	2021-22	
		Open	Sponsored/ Foreign National		Open	Sponsored/ Foreign National
1	Breast Imaging	5	0	Apheresis & Blood Component Therapy	1	0
2	Cardiac Anaesthesia	2	0	Breast Imaging	5	0
3	Cosmetic Gynaecology	1	0	Cardiac Anaesthesia	1	0
4	Critical Care Medicine	6	0	Clinical Haematology	1	0
5	Cross Sectional Body Imaging	5	0	Critical Care Medicine	5	1
6	Fellowship In Advanced Echocardiography	1	0	Cross Sectional Body Imaging	4	0
7	Fellowship In Sports Injuries & Arthroscopy	2	0	Fellowship In Advanced Echocardiography	1	0
8	Fellowship In Trauma Rehabilitation	1	0	Fellowship-diabetology	1	0
9	Female Pelvic Medicine & Reconstruction	2	0	Female Pelvic Medicine & Reconstruction	1	0
10	Gastro-radiology	5	0	Gastro-radiology	2	0
11	Geriatric Medicine	1	0	Head & Neck And Neuro	1	0
12	Haemato-oncology	1	0	Interventional Pain Medicine	1	0
13	Head & Neck And Neuro	1	0	Life Style Disease Management	1	0
14	Infectious Diseases	1	0	Maternal & Foetal Medicine	1	0
15	Interventional Pain Medicine	6	0	Molecular Diagnostics	1	0
16	Maternal & Foetal Medicine	3	0	Onco Anaesthesia	1	0
17	Molecular Diagnostics	1	0	Oncoanaesthesia	2	0
18	Neuroanaesthesia	1	0	Paediatric Anaesthesia	3	0
19	Oncoanaesthesia	4	0	Paediatric Endocrinology	2	0
20	Onco-pathology	6	0	Paediatric Radiology	2	0
21	Paediatric Anaesthesia	5	0	Urogenital & Gyn (radiation Oncology)	1	0
22	Paediatric Endocrinology	1	0	Vascular Radiology	3	0
23	Paediatric Gastroenterology	1	0	**Total**	**41**	**1**
24	Urogenital & Gyn (radiation Oncology)	1	0			
25	Vascular Radiology	4	0			
	Total	**67**	**0**			

2.2.6 Subject-wise distribution of MD/MS/MDS students on roll

Sl. No.	Subject	2020-21			2021-22	
		Open	Sponsored		Open	Sponsored
1	Anaesthesiology	53	2	Anaesthesiology	49	8
2	Anatomy	1	0	Anatomy	2	0
3	Biochemistry	3	0	Biochemistry	5	0
4	Community & Family Medicine	11	0	Community & Family Medicine	12	0

5	Dermatology & Venerology	6	11	Dermatology & Venerology	7	11
6	Emergency Medicine	18	0	Emergency Medicine	22	4
7	ENT	11	2	ENT	9	5
8	Forensic Medicine & Toxicology	6	0	Forensic Medicine & Toxicology	5	0
9	General Medicine	50	13	General Medicine	49	15
10	General Surgery	30	8	General Surgery	23	12
11	Geriatric Medicine	1	2	Geriatric Medicine	2	2
12	Microbiology	5	0	Microbiology	4	0
13	Nuclear Medicine	7	3	Nuclear Medicine	7	5
14	Obst & Gynaecology	36	8	Obst & Gynaecology	35	12
15	Ophthalmology	20	4	Obstetrics &gynaecology	1	0
16	Oral & Maxillofacial Surgery	3	1	Ophthalmology	14	8
17	Orthopaedics	26	12	Oral & Maxillofacial Surgery	4	5
18	Paediatrics	24	13	Orthopaedics	20	12
19	Pathology	10	5	Paediatrics	24	15
20	Periodontics	1	1	Pathology	10	7
21	Pharmacology	4	0	Periodontics	2	1
22	Physical Medicine & Rehabilitation	5	0	Pharmacology	4	0
23	Physiology	5	0	Physical Medicine & Rehabilitation	6	0
24	Psychiatry	9	2	Physiology	4	0
25	Radiation Oncology	14	1	Psychiatry	9	6
26	Radiodiagnosis	33	10	Radiation Oncology	12	2
27	Respiratory Medicine	2	1	Radiodiagnosis	35	12
28	Transfusion Medicine	11	1	Respiratory Medicine	4	4
				Transfusion Medicine	10	1
	Total	**405**	**100**	**Total**	**390**	**147**

3. Other activity/achievement of department

a) Campus Management Software

- Campus Management Software was introduced towards goal of achieving paperless office. Installation and training were conducted for few offices and to be continued in remaining offices.
- Real time database maintained for staff (faculty/non-teaching) and students. Monitoring and tracking of Attendance pattern and performance.
- Management of the entire examination process with report consolidation across various semesters and generation of Admit cards / Final Statement of Marks / Transcript.
- Faculty Management - Record and maintenance of staff Personal records such as service record, leave, attendance, time table, etc.
- Students can access their home page round the clock where timetable, exam sheet, marks, attendance will appear on periodic bases.

b) Career Guidance Cell

Career guidance Cell was established for career guidance to undergraduate and postgraduate students. Committee was constituted regarding same.

c) Learning Support Platform/ System

Learning Support Platform/System was developed for students and teachers for uploading demos, live cases study, live lectures, seminars etc. Training regarding same was provided for easy accessibility of system.

Student Welfare Body











4. STUDENT WELFARE BODY

'AIIMS Rishikesh Students' Welfare Body' (ARSWB) was established in October 2018 under the guidance of honourable director Padma Shri Prof Ravi Kant and Dean student welfare Prof Manoj Gupta with Dr. Shubham Ahuja (2015 Batch)as President and Nitish kumar (2016 Batch) as General secretory.

Student welfare body consists of all MBBS students of the institute with some of them being elected as representatives to act as links between the student welfare body and the administrative body of the institute.

ARSWB is a student care and supervision center that serves as a liaison between students and administration. Dean Student welfare closely works with students across all years and all societies to explore ways to enhance or address aspects of the entire student experience, from education to student life to career planning, and works with students to develop innovative solutions to issues and concerns.

The **main motive** of establishment of this body is to ensure upliftment of the; Academic, Social, Cultural, Literary and Sports activities of each student and thus that of the institute. Establishment of student body would also ensure that all the students of AIIMS Rishikesh get the liberty of thought and expression within the campus and to promote fraternity, accruing the dignity of the individual and the institute and be an authentic body to represent the students of the institute in matters concerning them in and out of the institute.

Various societies and clubs would be formed under student body to ensure proper sports, arts and cultural equipment's are available in the institute to promote a healthy lifestyle and bring out the hidden talents of students. The purpose of student body is also to look after the smooth conduction of annual college fest **'PYREXIA'** and the student mess to warrant good quality, nutritious and healthy food for students who have come here to study from different parts of the country.

Department has following members & staffs –

Sr.No.	Name of Member/staff	Designation
1	Nishant Singhal	President
2	Akshita Vyas	Vice President
3	Ravindra Rathore	General Secretary
4	Tanya Chauhan	Cultural secretary
5	Arpit Singh	Literary Secretary
6	Abhishek Singh	IT Secretary
7	Tej Prakash Sharma	Finance Secretary
8	Ravi Daiya	Mess Secretary
9	AnshuMeel	Boys' Hostel Representative
10	Eknsha Singh	Girls' Hostel Representative
11	Garvit Prasad	Sports Secretary
12	Gaurav Gaur	Magazine Secretary
13	Harsh Legha	Fine Arts Secretary

List of Event/activity of Student Welfare Body

Sr. No.	Cultural Event/activity name	Date
1	Janmasthami	30 August 2021
2	Dussehra & Dandiya	15 October 2021
3	Lohari Celebration	13 January 2021
4	Holi Celebration	17 March 2021
5	Christmas celebration	25 December 2021

Sr. No.	Sports Event/activity name	Date
1	Intra college sports fest (INVICTA 2021)	27th to 30th October
2	Volleyball	1-10-2021
3	Kabaddi (boys & girls)	suspended
4	Badminton (boys/girls/mixed)	suspended

Sr. No.	Literary Event/activity name	Date
1	Poetry competition – Pratibimb (online)	5 September 2021

Sr.No.	PYREXIA Events	Date
Could not be held due to Covid 19 pandemic		

1. Departmental activity:

a) Health awareness/educational activities organized by Student Welfare Body

b) Posting and delivery of healthcare services by MBBS students at BBGHCCC run by AIIMS Rishikesh.

2. New initiatives

a) Establishment of Student Hobby Clubs is in process.

b) Medtalks, a initiative on the online platform, having interviews of most of the students how to face difficulties in their medical life.

3. Future plan

Over the years, the ARSWB has helped in developing a great relationship between student and Administration. We intend to keep this cordial and fruitful relationship stronger. In order for us to achieve our ambitions as a body and an organization, we heavily rely on the support on the college administration. We recognise that we all have the same vision; a better and positive experience for all students on campus. In future we will start:

a) Student Care Centres

Student Care Centre (SCC) will be available for students 24/7 and will act as single spot solution. We will along with our Psychiatry department will devise newer programme to tackle mental health issues among children and strengthen already running programmes Students will approach SCC in case of any problem related the administration and student services. DSW and President will provide a favourable environment to fulfil students' academic and extra-curricular needs and stand devoted to ensure their success.

b) Orientation Programs

The orientation program is meant to celebrate your arrival and orient you to campus life. You are about to embark on a new adventure in your education, career, and personal life. We believe every student is a "Superhero", with their unique abilities and exceptional energy to solve the world's problems. We will provide opportunities that will help newcomers to learn about campus resources to help them defeat the hurdles of campus life.

c) Open House Sessions

We are looking forward to start monthly open house session between administration and student to bring forth common problem faced by students and suggestions for improvement of the learning process.

d) Outreach Programme

We will start more and more social outreach programme in rural areas to help student understand the common healthcare problem in country and inspire them to do their job whole heartedly for the betterment of nation.

e) Clubs And Societies

We will strengthen our already existing clubs and will form newer one with financial and infrastructure support from college administration.

Other than conventional clubs running in college we will start newer clubs like:

- Adventure clubs: For activities cantered on outdoor recreation, interactive education, community service, teamwork, physical fitness and intercollege events. Safe hiking camping and rafting practices

- English & Soft skills Club: Although we had started it before but it failed we will start it with newer approach and help students coming from every corner of country.
- Green Club: It will play a global role in spreading the message to save the environment and to promote environment awareness in the society.

4. Developing Leadership Qualities among students:

a) Will provide 20-25 leadership opportunities annually will work on developing leadership curriculum and semester retreat for student leaders.

b) Also will bring out some changes in election procedure to increase women's participation in student body.

c) Also start to recognise and reward student leaders at semester and annual events.

HOSPITAL ADMINISTRATION







5. HOSPITAL SERVICES

Department of Hospital Administration is responsible for integrating various functions and services in the hospital, oversee the organizational side of health services either by working as a team to make sure a medical facility is employing effective and efficient practices that deliver the best care possible. Some of the key components of hospital administration include training of the staff, patient education, rendering safe and quality patient care, developing safe system, identifying vulnerable areas, developing effective communication, using innovative technology. The hospital administration oversee the various departments of the hospital to establish a managed care system, structured functioning of health care services to make various services rendered effortlessly

Vision

1. To achieve global standards in patient care by adapting national and international accreditation standards and developing a culture of excellence in professionalism, governance and leadership.
2. To achieve global standards in providing medical education.
3. To achieve excellence in public health.
4. To achieve excellence in research.

Mission

1. To provide comprehensive patient centered healthcare services which are effective, efficient, accessible, acceptable and equitable keeping safety at the top.
2. To achieve global standards in providing education by creating need based innovative medical and nursing education models and all round development of students and continuous professional development of faculty.
3. To develop excellence in public health by enhancing institutional impact on healthcare and programs so that institute can contribute to National Health Policy.
4. To achieve excellence in research by augmenting capacity, infrastructure and systems for research in basic, translational, clinical and public health sciences so as to contribute to nation in the fight against public health diseases.

Core Values are:

1. Patient focused care
2. Customer satisfaction
3. Patient treated with Respect and Dignity
4. Patient treated with Empathy and Compassion
5. Teamwork
6. Quality Policy
7. Integrity
8. Employee empowerment

Department has following Faculty members –

Sl.No.	Name of Members	Designation
1.	Dr. Ashwani Kumar Dalal	Medical Superintendent
2.	(Brig) Prof. U. B. Mishra	Professor and Head Department of Hospital Administration
3.	Dr.Anubha Agarwal	Assistant Professor, Department of Hospital Administration, Deputy Medical Superintendent
4.	Dr. Pooja Bhadoria	Deputy Medical Superintendent
5.	Dr. Levin Rao Dasari	Resident
6.	Dr. Monika	Extern Hospital Administration (2.5 Months)
7.	Externs in Dietetics	24

1. Patient Care Services

AIIMS, Rishikesh is a tertiary care center with facility of 960 beds. It is committed to provide comprehensive patient centered health services by adapting national and international accreditation standards and developing a culture of excellence in professionalism, governance and leadership. The mission of our hospital is to provide health care services which are effective, efficient, accessible, acceptable and equitable, keeping safety at the top. It is among our core values to provide patient focused care with customer satisfaction, treat the patients with respect, dignity, empathy and compassion. Department of Hospital Administration has taken various initiatives to improve the overall patients experience like reducing waiting time for all services, improve communication, resolving grievances and improvement of essential services like admission discharge process, dietary, laundry and sanitation services etc.

Introduction of latest technology, opportunity for staff to pursue trainings or courses is helpful for staff development and improve work culture.

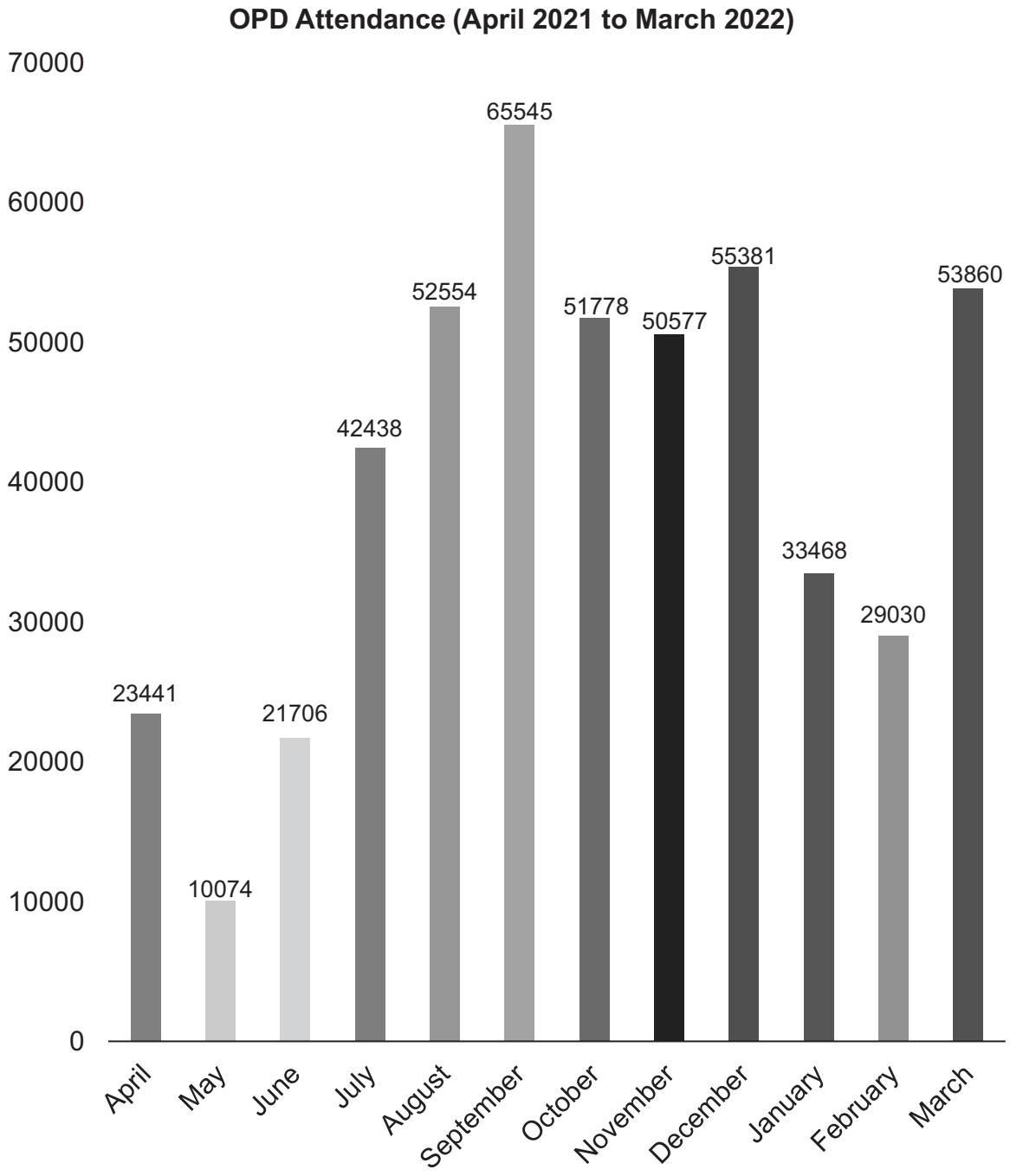
Empathy, respectfulness by caregivers and adequacy of information sharing are most important competence focused by caregivers.

Sl. No.	Name of Department	Outpatient Department Attendance	Inpatient Department Attendance	Number of Surgeries (If Applicable) Major	Minor	Bed Occupancy
Surgical Specialties						
1.	Burn & Plastic Surgery	5135	631	484	39	58.93%
2.	CTVS	2129	279	204	88	45.12%
3.	Dentistry	13985	70	66	1846	39.74%
4.	ENT	21270	1155	797	202	66.57%
5.	General Surgery	21074	1786	893	13	73.27%
6.	Neurosurgery	6004	1074	622	5	70.83%
7.	Obstetrics & Gynecology	22362	2663	1371	28	86.74%
8.	Ophthalmology	23487	1016	256	616	47.90%
9.	Orthopedics	28360	1181	504	47	65.79%
10.	Pediatrics Surgery	3289	467	304	9	46.97%
11.	Surgical Oncology (Head & Neck)	7930	-	11	-	61.10%
12.	Surgical Oncology	4523	608	226	19	62.50%
13.	Urology	21578	1422	657	311	77.12%
14.	Surgical Gastroenterology	2381	319	181	2	60.37%
15.	Trauma ED	4953	1229	1463	2	70.28%
Medical Specialties						
1.	Cardiology	14063	1267	-	-	58.66%
2.	Dermatology	25619	91	-	-	51.26%
3.	Gastroenterology	13676	920	-	-	77.91%
4.	General Medicine	69432	2215	-	-	79.37%
5.	Medical Oncology	13709	1850	-	-	82.48%
6.	Neurology	9598	437	-	-	69.62%
7.	Pediatrics	15695	2070	-	-	76.88%
8.	Psychiatry	10462	468	-	-	83.59%
9.	Pulmonary Medicine	11985	906	-	-	78.23%
10.	PMR	13565	53	-	-	58.07%

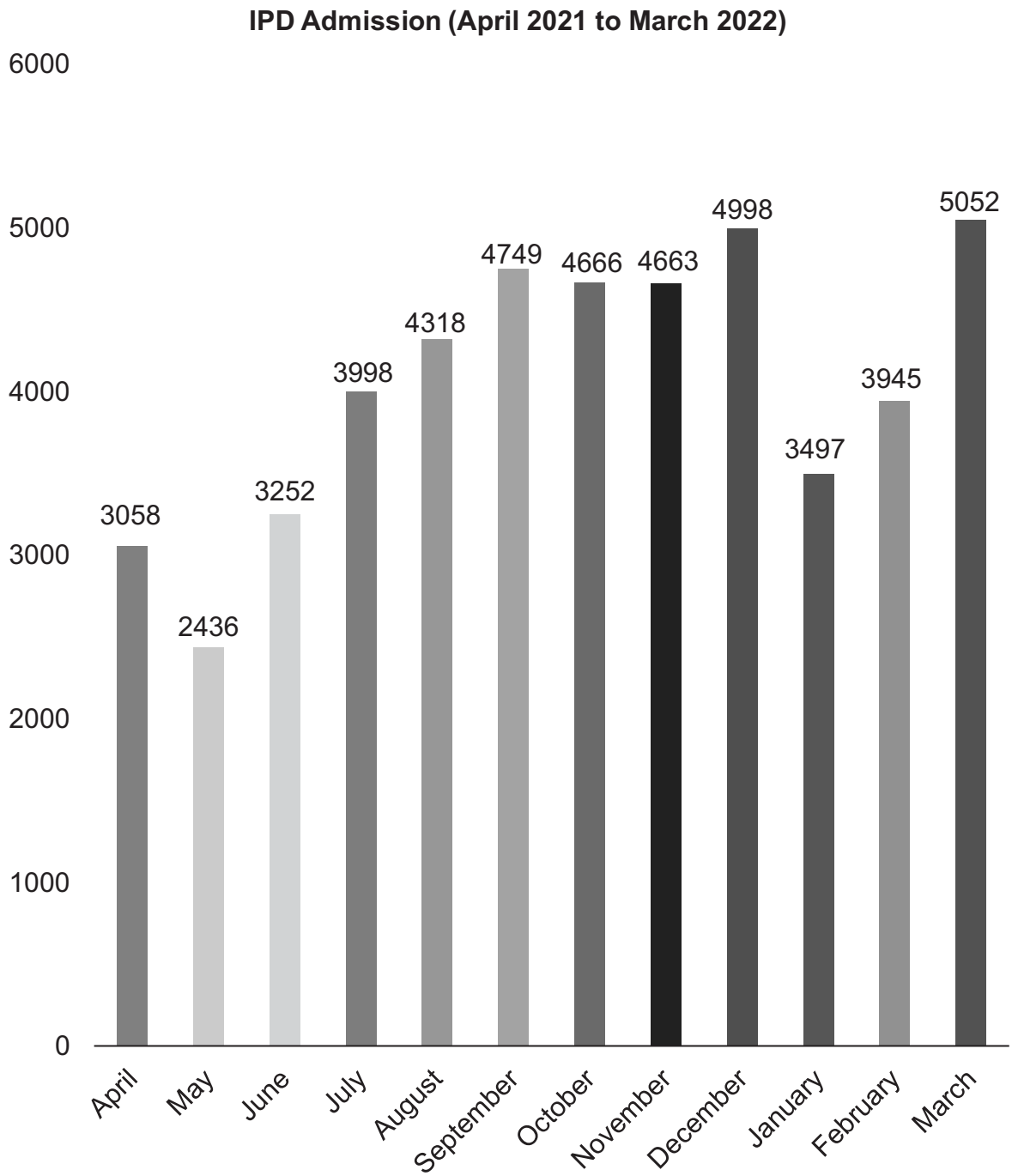
11.	Radio-Therapy	10925	1637	-	-	57.36%
12.	Vertigo	830	-	-	-	-
13.	Neonatology	1336	1290	-	-	66.35%
14.	Nephrology	5414	7105	-	-	71.40%
15.	PAC	163	-	-	-	-
16.	Endocrinology	37	127	-	-	52.64%
17.	Emergency	-	31077	-	-	100.00%
18.	Community & Family Medicine	40462	-	-	-	-
19.	Day Care Ward	-	11029	-	-	100.00%
Special Clinic						
1.	Glaucoma Clinic	1207	-	-	-	-
2.	Geriatric Clinic	1574	-	-	-	-
3.	Center for Rural Heath AIIMS PHC Raiwala	555	-	-	-	-
4.	Rheumatology Clinic	2349	-	-	-	-
5.	EHS	2019	-	-	-	-
6.	Nuclear Medicine	311	21	-	-	-
7.	General Endocrinology Adult	2361	-	-	-	-
8.	Diabetes Mellitus	3001	-	-	-	-
9.	Pain Relief Clinic	3850	-	-	-	-
10.	Neuro Development and Behavioral	953	-	-	-	-
11.	Pediatric Neuro Behavioural Clinic	530	-	-	-	-
12.	Pediatric Neuro infection and headache	530	-	-	-	-
13.	Gynecology Oncology	744	-	-	-	-
14.	Emergency Medicine	557	-	-	-	-
15.	Liver Clinic	1082	-	-	-	-
16.	ART Clinic	2241	-	-	-	-
17.	Pediatric Neurology Clinic	1398	-	-	-	-
18.	Pediatric Dermatology	465	-	-	-	-
19.	Sports Injury Clinic	4964	-	-	-	-
20.	Otology and Neurotology	479	-	-	-	-
21.	Breast Disorders and Cancer Clinic	5495	233	124	3	-
Ayush						
1	AYUSH (Homoeopathic)	-	-	-	-	-
2	AYUSH (Ayurvedic)	4	-	-	-	-
3	AYUSH (Yoga)	1	-	-	-	-
	Total	**4,82,101**	**76,696**	**8,163**	**3,230**	

2. Bar graphs showing

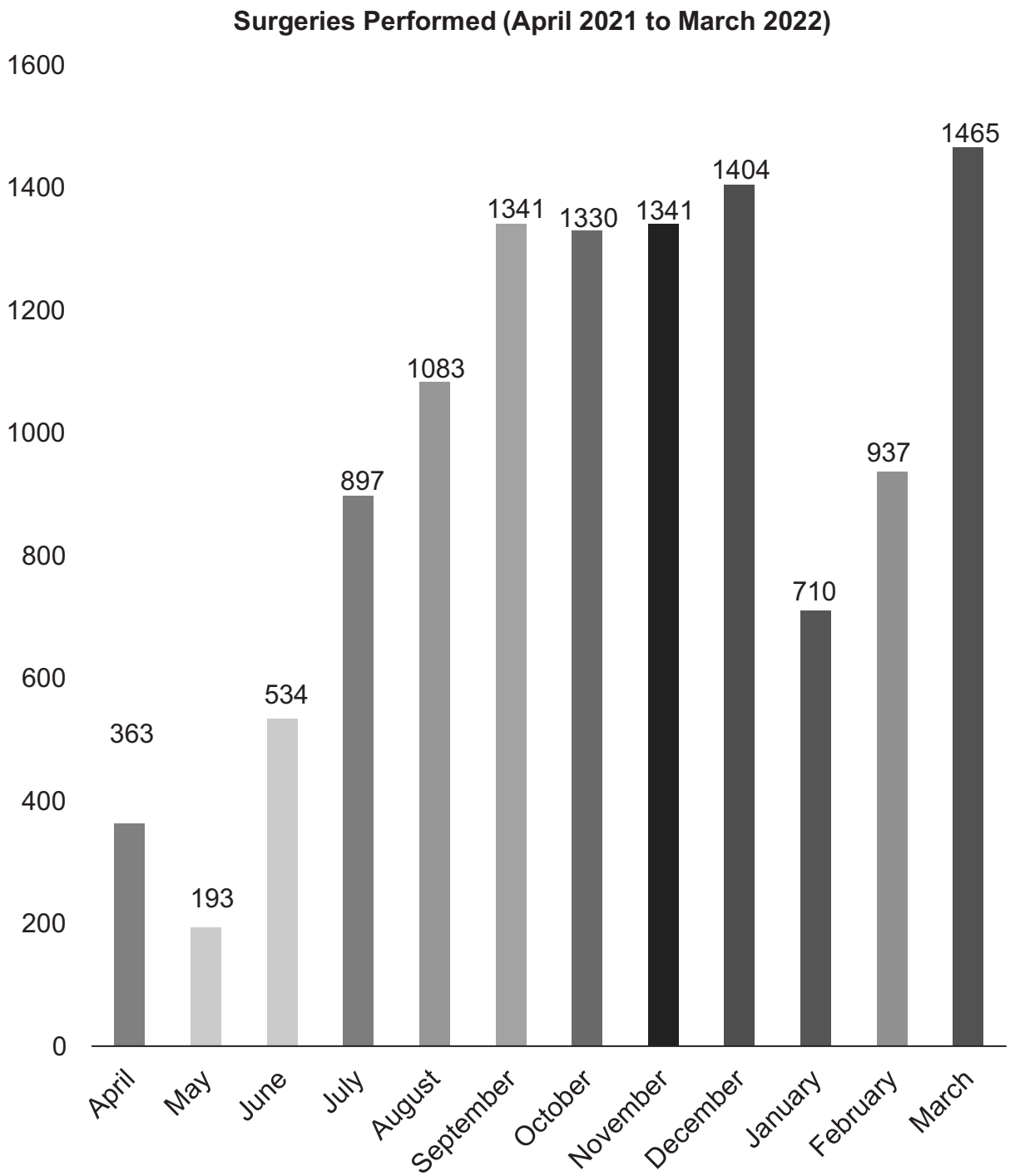
a) Outpatient Attendance



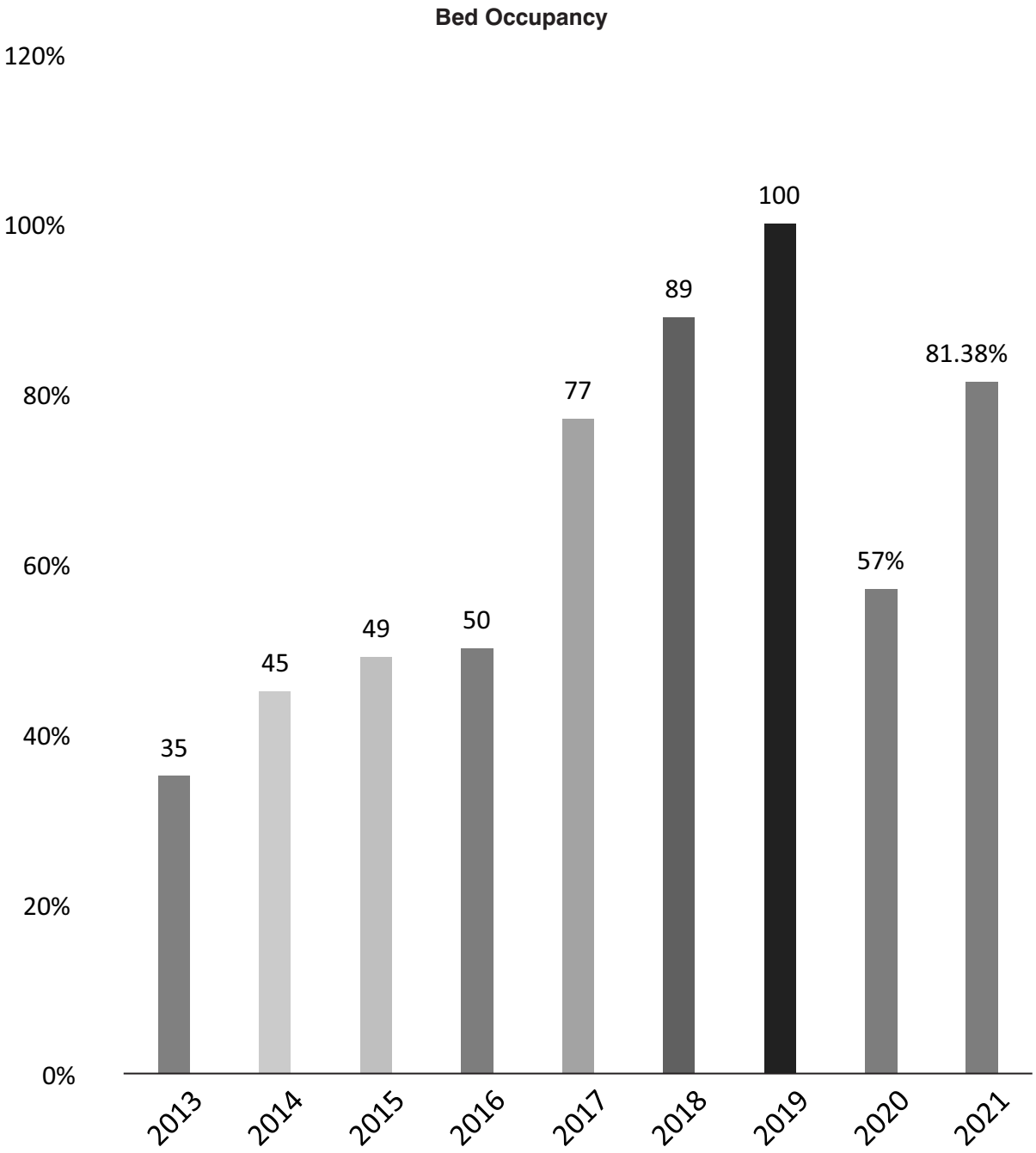
b) Inpatient Admission



c) Number of Surgeries performed

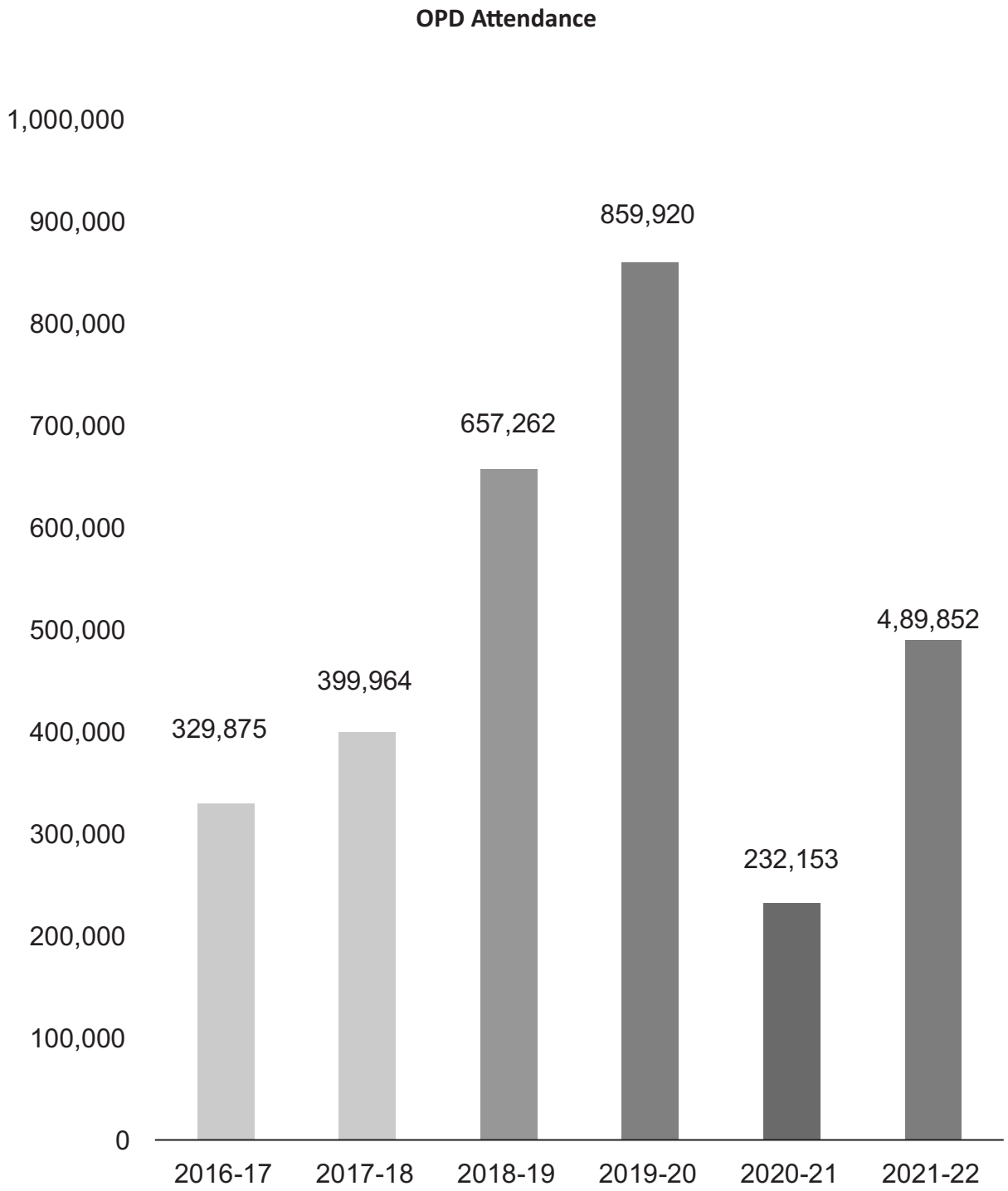


d) Total Bed Occupancy
Trends (2013-2021)

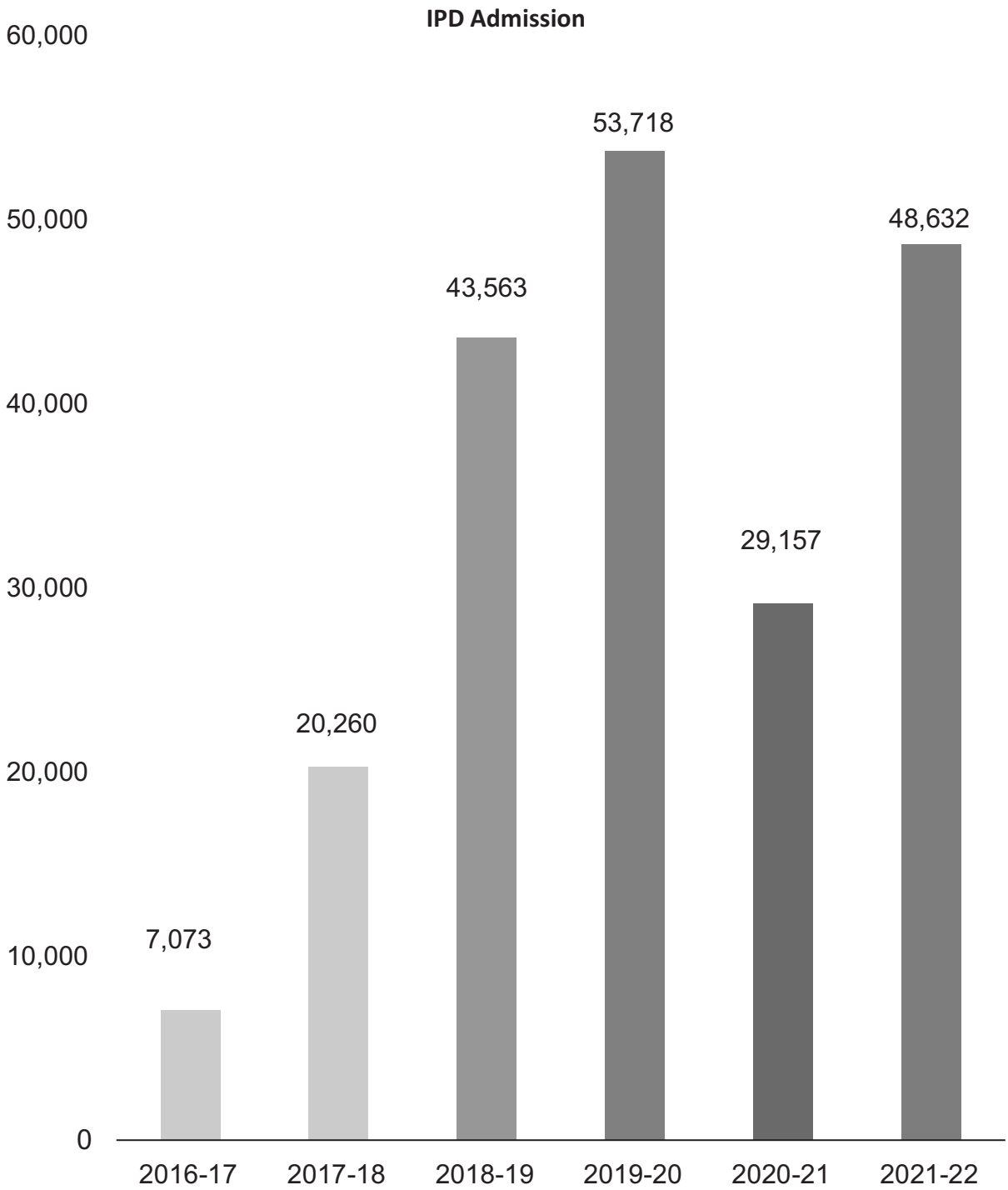


3. Bar Graphs Showing

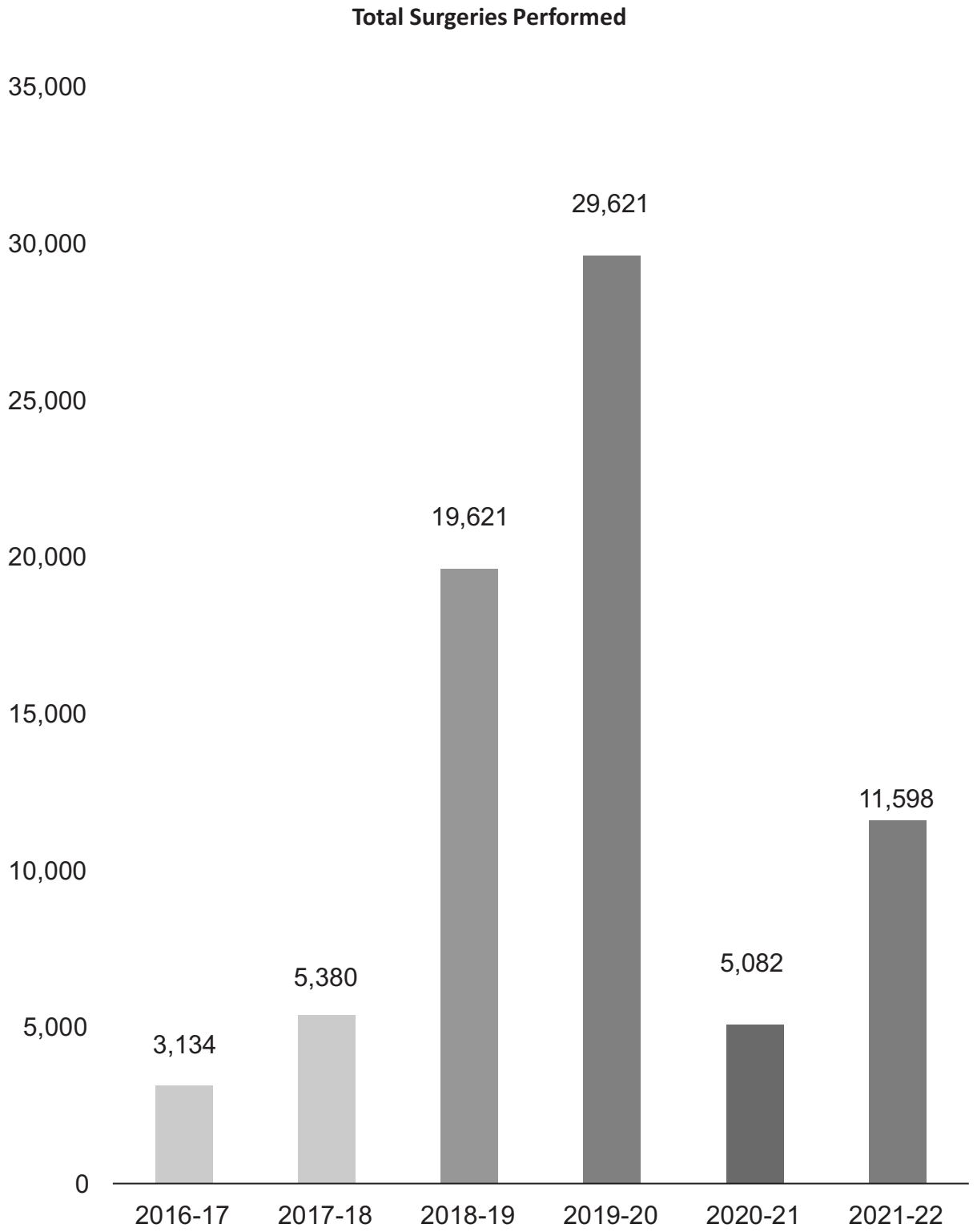
a) OPD Attendance Trends (2016-22)



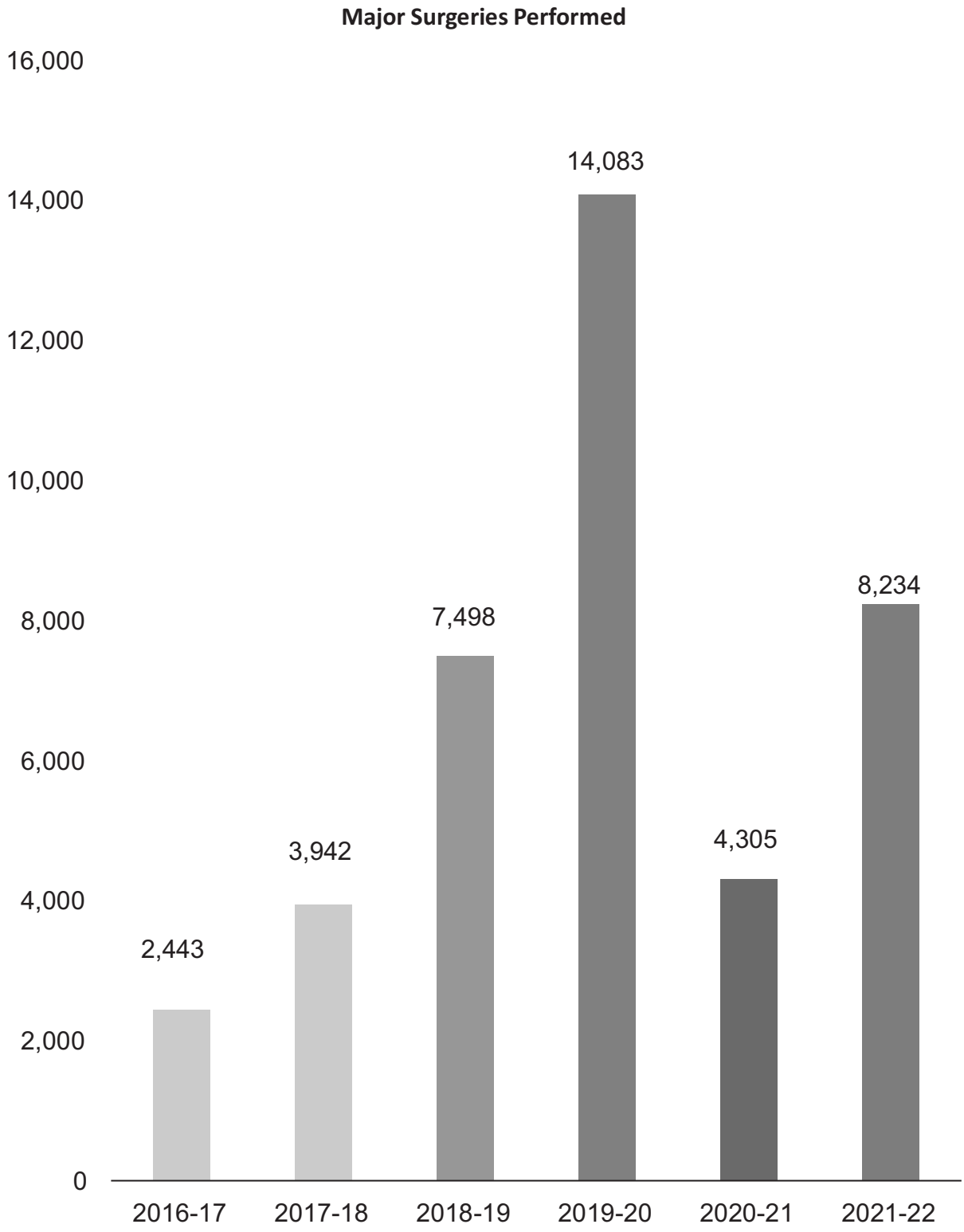
b) IPD Admission (2016-2022)



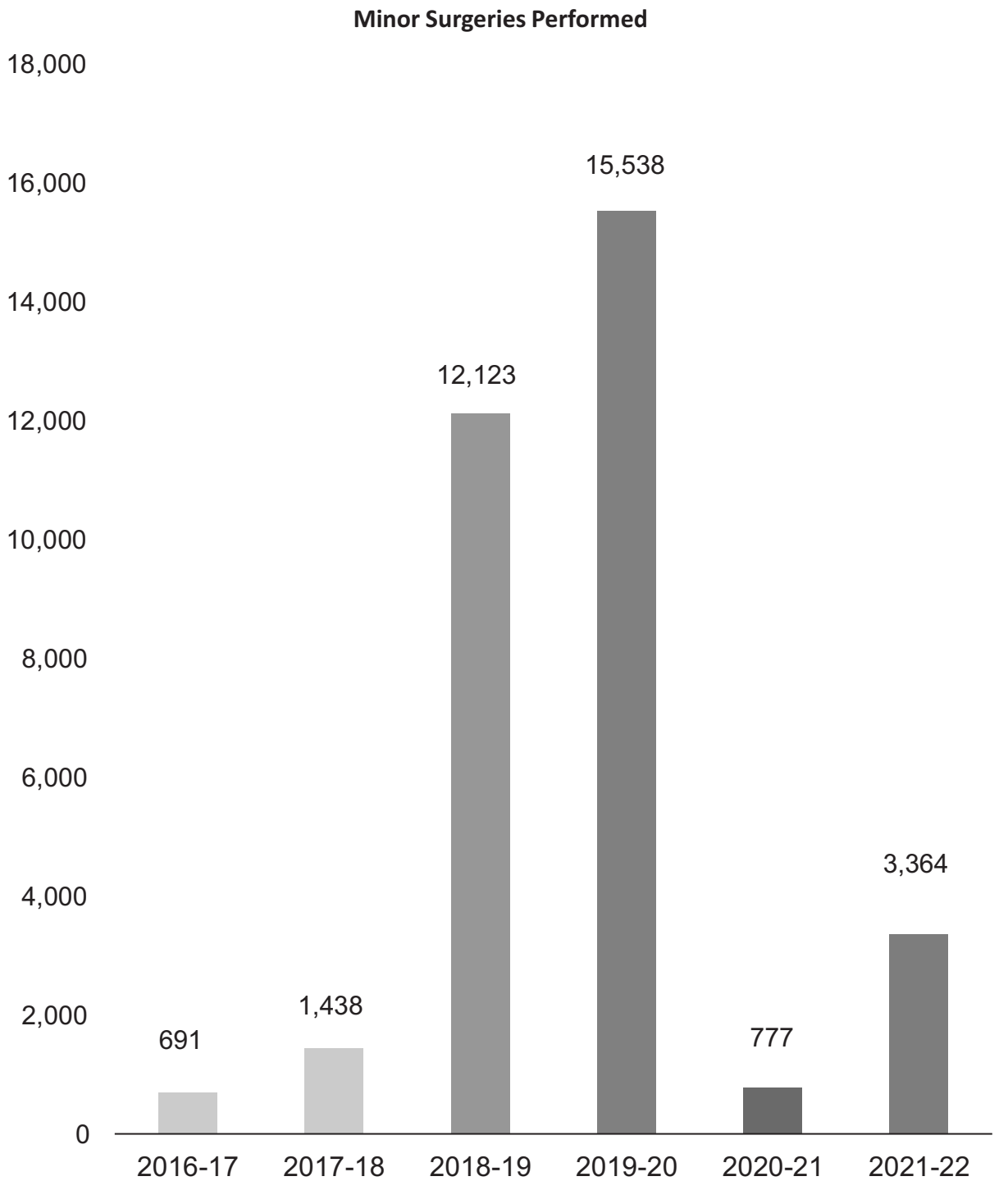
c) Surgeries Performed (2016-2022)



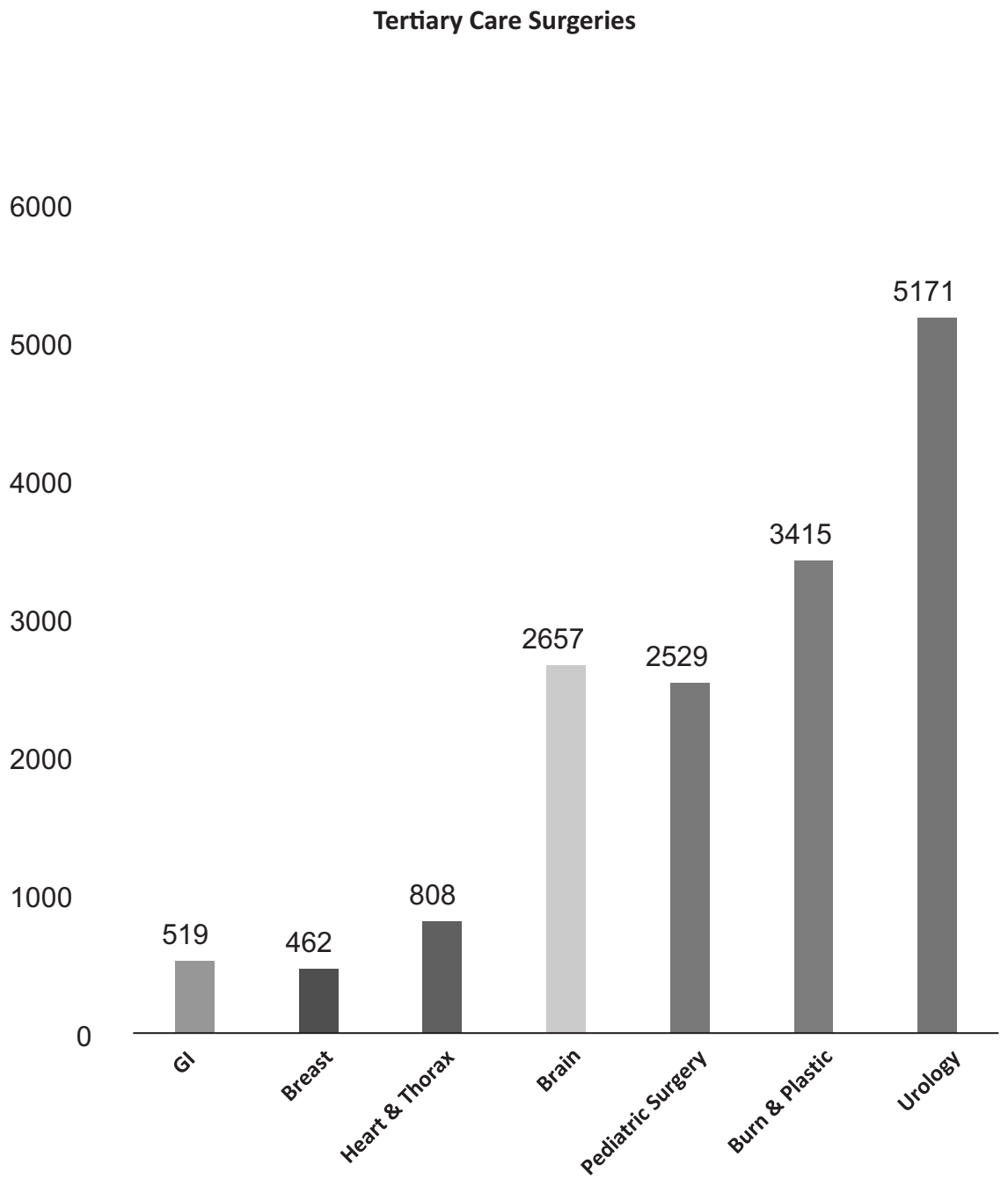
d) Major Surgeries Performed (2016-2022)



e) Minor Surgeries Performed (2016-2022)



f) Tertiary Care Surgeries (2014-2022)



4 Departmental activity

a) Health awareness/educational activities organized by department

1. Organized Indoor plantation and Swachhta pledge to promote cleanliness
2. Swachhta Awareness videos displayed in patient care areas and other areas of the institution
3. Certificates of appreciation were distributed to participants who contributed in Swachhta Pakhwada activities to appreciate their hard work
4. Certificate of appreciation given to commend doctors/nurses on July 1, 2021.

b) CME / Workshop / conference / training organized by department

1. Organized NABH orientation program for all the Clinical Departments, Non-clinical departments (laboratories), Nursing services, Support and Engineering Services. The Orientation was given by Dr. J. L Meena, Joint Director, National Health Authority for initiating "NABH entry level accreditation"
2. Various trainings pertaining to NABH standards & guidelines for faculty, nursing officials and other health care providers were conductedeg medication management, documentation, infection control practices etc.
3. In cases of emergency, as preparedness of Institute, following mock drills were conducted:

- Code Pink Mock drill for child abduction
- Code Blue Mock drill for any medical emergency
- Code Red Mock drill for any fire
- Code yellow Mock drill for disaster

c) New initiatives by department

1. To improve accessibility of location of facilities for patients as well as staff, more directional and information signage are being displayed in hospital.
2. Hospital infection control committee, Drug and therapeutics committee and Hospital transfusion committee meeting have been re-constituted and regular meetings conducted to address issues pertaining to them.
3. Nodal officers have been identified in respective departments for Quality / Infection control activities.
4. As a safety measure, facility rounds were conducted with Engineering, sanitation teams and others regularly and actions taken based on observations.
5. In preparation for NABH entry level accreditation, the institutional policies required for the same have are being updated in coordination with the respective departments.
6. Drug formulary, list of emergency medications, high risk medications / narcotics have been revised.
7. Format for documentation of medical record such as initial assessment, plan of care, daily progress, medication record, nursing assessment, consents etc were updated as per standards.
8. Critical results registers were updated in laboratories and radiological departments.
9. Turnaround time has been defined and displayed in respective diagnostic departments.
10. MSDS sheet has been prepared and circulated to be displayed to all areas for safe handling of hazardous materials in coordination with sanitation team.

d) Other activity / achievement of department

Externship program :

1. Externship for course- for Master in hospital administration (MBA)
2. Externship course for dieticians

Other Activities :

1. Initiated the AB-PMJAY Bronze Quality Certification of AIIMS, Rishikesh. The onsite assessment for the same was conducted & coordinated by department of Hospital Administration.

2. Quality hand book has been released by the department on doctors day July 1, 2021 by Hon'ble' Director AIIMS, Rishikesh. The book is a training module to guide all members of AIIMS Rishikesh to improve quality of care and patient safety.

3. Medical Record Audit was conducted and feedback given to departments to improve quality of medical records
4. Celebration of World Trauma Day, World health day, Doctors Day, Glaucoma week, World food safety day, World AIDS day, Antibiotic week and other health days were carried out in the institution in coordination with the respective departments.

Covid preparedness –

1. Hospital preparedness to combat COVID 19 and Preparation of Kayakalp assessment
2. Separate ICUs were developed to cater to COVID patients.
3. Facility to manage mucor patients has been identified and patients are managed
4. Environmental control measures like negative pressure rooms were created. Screening OPDs, emergency block, separate lab, well equipped ICU isolation rooms and cubicle for COVID patients and suspect were created
5. Virology lab was established and kiosk were installed to manage covid investigations.
6. SOPs regarding screening, admission, case management, infection control aspects, quarantine, management of mortal remains etc. were made, implemented and monitored
7. Logistic team is managing availability of logistics including PPEs, equipment, consumables etc.
8. System was created for daily reporting and liaison with state authorities and other agencies for sharing various reports.
9. Various SOPs developed were updated regularly followed by training, implementation and monitoring of activities
10. Samvaad Desk was created to improve communication with patients
11. Concept of Nurse Supervisor on duty was initiated as a result one nurse is available 24x7 to address any issue arising specially related to patient care.
12. Regular monitoring of services by senior officials

e) Future plan of department

1. Develop Hospital Administration Department with addition of new courses
2. Develop skill labs in department to enhance the soft skills of medical, nursing and allied professionals
3. AIIMS Rishikesh aims to provide safe environment for patients and staff. Institute plans to adhere to all NABH safety standards to improve patient safety and care.
4. To improve patient care services, it is also planned to work on patient satisfaction based on feedback by patients
5. To conduct clinical audit workshop in AIIMS Rishikesh in the coming year.

5. Member's activities

Prof. U. B. Mishra
Professor and Head

a) CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panelist / Quiz Master)

Prepared Documents-

1. Guided in preparation of "Quality Hand Book" as a guide for implementation of NABH standards, for health care workers in coordination with team.
2. Guided in preparation of various SoPs for the hospital eg. SoPs for front office, emergency department, medical record department etc.
3. MSDS sheet has been prepared and circulated to be displayed to all areas for safe handling of hazardous materials in coordination with sanitation team.
4. Statutory requirement of Institute have been compiled in a Legal tracker, which is monitored and updated on monthly basis

Guide for (Activities in hospital administration)-

1. Organized program for Doctor's Day Celebration on 1st July 2021 at AIIMS Rishikesh
2. Organized and coordinated programs for Swachhta Pakhwada in April 2021 and

Swachhta hi Sewa in Oct 2021 and submitted report to Ministry of Health & Family Welfare

3. Coordinated with team from VP Chest Institute, Delhi for peer assessment of AIIMS Rishikesh under Kayakalp scheme.
4. Coordinated with team from NIHFW, Delhi for final external assessment of AIIMS Rishikesh under Kayakalp scheme
5. Coordinated with team visited AIIMS Rishikesh for Bronze certification under Ayushman Bharat scheme
6. In compliance to NABH standards, organised Drug & Therapeutic, Medical record, Quality & hospital operations and safety committee meetings
7. Organised NABH related trainings for doctors, nurses and other health care workers regarding medication management, documentation.
8. To improve patient safety organised mock drills for – code red, code blue, code yellow and code pink
9. Organised presentation of quality indicators in compliance to NABH standards and guidelines by respective departments.
10. Organised and conducted NABH related trainings for nurses and other health care workers regarding medication management, documentation, introduction about NABH, patient and employee rights and responsibilities etc.
11. Coordinated and conducted for the training of health care workers regarding handling emergencies pertaining to code red, code blue, code pink, code yellow and code violet etc.
12. Organized NABH orientation program for all the Clinical Departments, Non-clinical departments (laboratories), Nursing services, Support and Engineering Services. The Orientation was given by Dr. J. L Meena, Joint Director, National Health Authority for initiating "NABH entry level accreditation"

Resource person/Training conducted-

1. Workshops conducted for quality and documentation as a resources person of NABH online-(12 workshops)
2. Accreditation committee meetings as a member to discuss assessment reports of hospitals -(once a week)
3. Training of nursing staff on medication management as resources person –(3 times)
4. Training of residents medical record writing as resources person –(2 times)
5. Resource person to conduct various drills as given below:

- Fire safety drill (6 times)
- Code pink (child abduction) (2 times)
- Code blue (cardiac arrest) (5 times)
- Code yellow (disaster management) (01 times)

6. Resource person for quality indictor presentation- (4 times)

b) Awards & honours received

1. Certificate of recognition for contributions for Swachhta activities in Institute.

Dr. Anubha Agarwal
Assistant Professor

a) CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panelist / Quiz Master)

Presentation-

1. Guest speaker, Sixth International Cranio facial & Dental Summit, 23-25 July 2021 organised by Cranio facial Research Academy at AIIMS Rishikesh

Academic achievement-

1. Resource faculty for Internship orientation program at AIIMS Rishikesh held on 3-11 Jan 2021
2. Faculty for Course Program of PGDM(E) Hospital Management on 27 August organised by NIHFW, Delhi
3. Prepared Question Bank for Medical Record Assistant, course organised by Health care sector skill council (HSSC)

Organised -

1. Organized program for Doctor's Day Celebration on 1st July 2021 at AIIMS Rishikesh
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11. Coordinated and conducted for the training of health care workers regarding handling emergencies pertaining to code red, code blue, code pink, code yellow and code violet etc.
12. Training of dieticians and kitchen staff related to NABH related health care policies
13. Regular monitoring of externship program for dieticians
14. Organized NABH orientation program for all the Clinical Departments, Non-clinical departments (laboratories), Nursing services, Support and Engineering Services. The Orientation was given by Dr. J. L Meena, Joint Director, National Health Authority for initiating "NABH entry level accreditation"

b) Awards & honours received

Certificate of recognition for contribution for Swachhta activities in Institute.

Dr Pooja Bhadoria
Assistant Professor and DMS.

a) National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

1. Participated in Sensitization workshop on WHO Family of International Classifications ICD-10 and ICF held at Seema Dental College at Rishikesh, Uttarakhand on 26/10/2021.
2. Took Lecture on structure and function of liver in capacity building workshopfor physicians in Uttarakhandtraining held from 10th August to 12th August,2021.
3. Took Lectures on Female Reproductive System in VIA Training Program for Staff Nurses of Uttarakhand held from 10 August 2021, 14 September -2021 and 23 March 2022.
4. Involved in all trainings/Report writing of Swachhta Pakhwada Program, 1-15 April 2022
5. Assistant Editor in Rishi Vansh Newsletter by Department of Paediatrics, AIIMS Rishikesh.
6. Resource person in Research Methodology Course of AIIMS Rishikesh.

As Organizing Team Member:

1. Organized program for Doctor's Day Celebration on 1st July 2021 at AIIMS Rishikesh
2. Organized and coordinated programs for SwachhtaPakhwada in April 2021 and Swachhta hi Sewa in Oct 2021 and submitted report to Ministry of Health & Family Welfare
3. Coordinated with team from VP Chest Institute, Delhi for peer assessment of AIIMS Rishikesh under Kayakalp scheme.
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doctors, nurses and other health care workers regarding medication management, documentation.

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8. Organised presentation of quality indicators in compliance to NABH standards and guidelines by respective departments.
9. Organised and conducted NABH related trainings for nurses and other health care workers regarding medication management, documentation, introduction about NABH, patient and employee rights and responsibilities etc.
10. Coordinated and conducted for the training of health care workers regarding handling emergencies pertaining to code red, code blue, code pink, code yellow and code violet etc.

b) Awards & honours received

Certificate of recognition for contributions for Swachhta activities in Institute.

6. Bed distribution data

Sl. No.	Name of Department	Number of bed
1	Burn & Plastic Surgery	20
2	Cardiology	20
3	CTVS	20
4	Dermatology	6
5	Dentistry	6
6	Endocrinology	20
7	ENT	20
8	Emergency	40
9	Gastroenterology	20
10	General Medicine	54
11	Isolation Ward	18
12	Surgical Gastroenterology	20
13	General Surgery	72
14	Medicine Stroke/HDU	22
15	Neurosurgery	20
16	Neurology	20
17	Nephrology	20
18	NICU	46
19	Ophthalmology	20
20	Obstetrics	36
21	Gynecology	34
22	Orthopedics	40
23	Oncology & Hematology	26
24	Pediatric Surgery	20
25	Pediatric Medicine & PICU	45
26	PMR	6
27	Psychiatry	20
28	Pulmonary Medicine	30
29	Private Ward	45
30	Radiotherapy	20
31	Surgical Oncology	20
32	Breast Surgery	12
33	Trauma Surgery Ward	50
34	Urology	20
35	Day Care Complex	22
36	CCU	30
Total Beds =		**960**

Note : Beds distribution was modified depending on requirement of separate areas for Covid and Mucor patients

7 New list of diagnostics

Sl. No	Test Name
1	Methotrexate Assay Kit
2	QMS Tacrolimus Assay Kit
3	Cycloporine kit with low Calibration for C0 levels
4	Voriconazole II Assay kit
5	Everoliums
6	Autoimmune Encephalitis panel
7	Myositis Profile
8	ELISA HEV
9	ELISA HAV

8. EHS Facilities

a. EHS is started at AIIMS Rishikesh since 2019 for welfare of beneficiaries.

b. In year March 2021 to 2022:-1300 beneficiaries are enrolled in EHS.

c. EHS had agreement with Amrit pharmacy for implants, orthotics and medicines.

d. Daily OPD of EHS ranges from 10-20. In last annual year 05 beneficiaries has undergone costly treatment.

e. Around 1200 EHS beneficiaries are benefitted by EHS in last annual.

f. EHS runs in close collaboration with Central pharmacy



Opening meeting with final Kayakalp assessment team

KAYAKALP
(SWACHCHTA HI SEWA)

Plantation Program



Inspecting the Central Diagnostic Lab





Inspection of the Kitchen by Team member



Inspecting the Laundry

6. KAYAKALP (SWACHCHTA HI SEWA)

"Kayakalp" scheme was launched by Ministry of Health and Family Welfare on May 15, 2015. It is a national initiative which promotes cleanliness, hygiene and infection control practices in public Health Care Facilities .The scheme also aims to incentivize or award exemplary performing facilities that demonstrate high levels of cleanliness, hygiene and infection control.

At AIIMS Rishikesh, under dynamic leadership of Hon'ble Director & CEO, AIIMS Rishikesh was given Kayakalp Commendation award twice. Regular activities including training of health care providers are conducted to improve cleanliness in the Institute. AIIMS Rishikesh is committed to promote the mission of Kayakalp-Swachh Bharat Mission.

Kayakalp team includes following members & staff–

S.No.	Name of Member/staff	Designation
1	Prof UB Mishra	Professor, Hospital Administration
2	Dr. Anubha Agarwal	Assistant Professor, Hospital Administration
3	Dr Pooja Bhadoria	Assistant Professor, Anatomy
4	Dr. Levin Rao Dasari	Senior Resident, Hospital Administration
5	Representative from Infection Control Team	Dr Amber Prasad, Assistant Professor, Microbiology
6	All ICNs / Representative	
7	Representatives from Nursing Department	Mr. Ajo Unnikrishnan, Ms. Ramya
8	Representatives from Engineering Department	SE and other
9	Representatives from Administrative Department	DDA, Registrar, SAO, Law Officer, AO
10	Representatives from Financial Department	DDO, FA
11	PRO/Representative	
12	Representative from Sanitation Team	

I) Activities conducted under Kayakalp scheme

a) Swachhta pledge was taken by the senior officials and staff of the Institute to promote cleanliness at their work place as well as at their home.

b) To develop green environment, indoor plantation was done.

c) Certificate of appreciation were distributed to staff to motivate them.

d) Suggestions and feedback are taken from patients and necessary actions are taken to improve patient care.

e) Health check-up & vaccination of sanitation & kitchen staff is done regularly as Maintenance per policy of facility.

f) Furniture repair, water tank cleaning etc are done regularly by Engineering department

g) Implementation of dress code for all categories of staff.

h) BMW storage area was extended to accommodate the waste generated in the institute.

II) Departmental activity

1. Health awareness/educational activities organized by department

a) Nukkad Natak were organised by Nursing Department to improve awareness of patients and staff about Personal Hygiene, COVID – Precautions, importance of cleanliness etc.

b) Using training Trolley, Hospital Infection Control Team conducted health education activities on infection control practices viz. Biomedical Waste Management, sharp management, needle stick injury protocol etc.

c) Swachhta awareness videos displayed in patient care areas and other areas of the institution for awareness of the patients and their relatives

d) Poster competition was organised for

nurses with the theme "Protecting Health from Climate Change"

e) Training on Solid waste management of Sanitary inspectors, supervisors, sanitary staff in coordination with Community and Family Medicine

2. CME / Workshop / conference / training organized by department

Organized and coordinated programs related to Kayakalp and Swachhta pakhwada and submitted report to Ministry of Health & Family Welfare.

3. New initiatives of department

a) Directional Signage have been updated to ease access to services provided in hospital for patients, visitors and staff

b) Mechanised Laundry and CSSD have been established and are monitored for rendering better service.

c) Motivation of the housekeeping and sanitation staff by providing incentives

d) As part of patient's safety measures various mock drills were conducted regularly.

4. Awards / honour received by department

Kayakalp Commendation award was received by Institute for the Year 2017-18, 2019-20 and results of 2020-21 and 2021-22 are awaited

5. Other activity / achievement of department

a) Organised Peer assessment of AIIMS Rishikesh by team from Vallabh bhai Patel Chest institute, Delhi in November 2021

b) Final assessment of AIIMS Rishikesh by a team from NIHFW was organised in December 2021

6. Future plan of department

a) Institute plans to adhere to all Kayakalp standards to improve cleanliness, patient safety and patient care AIIMS Rishikesh aims to provide safe environment for patients and staff.

b) AIIMS Rishikesh team is committed to comply with all observations.

c) To improve patient care services, it is also planned to work on patient satisfaction based on feedback by patients

d) Measures to improve maintenance of building and furniture.



NURSING SERVICES







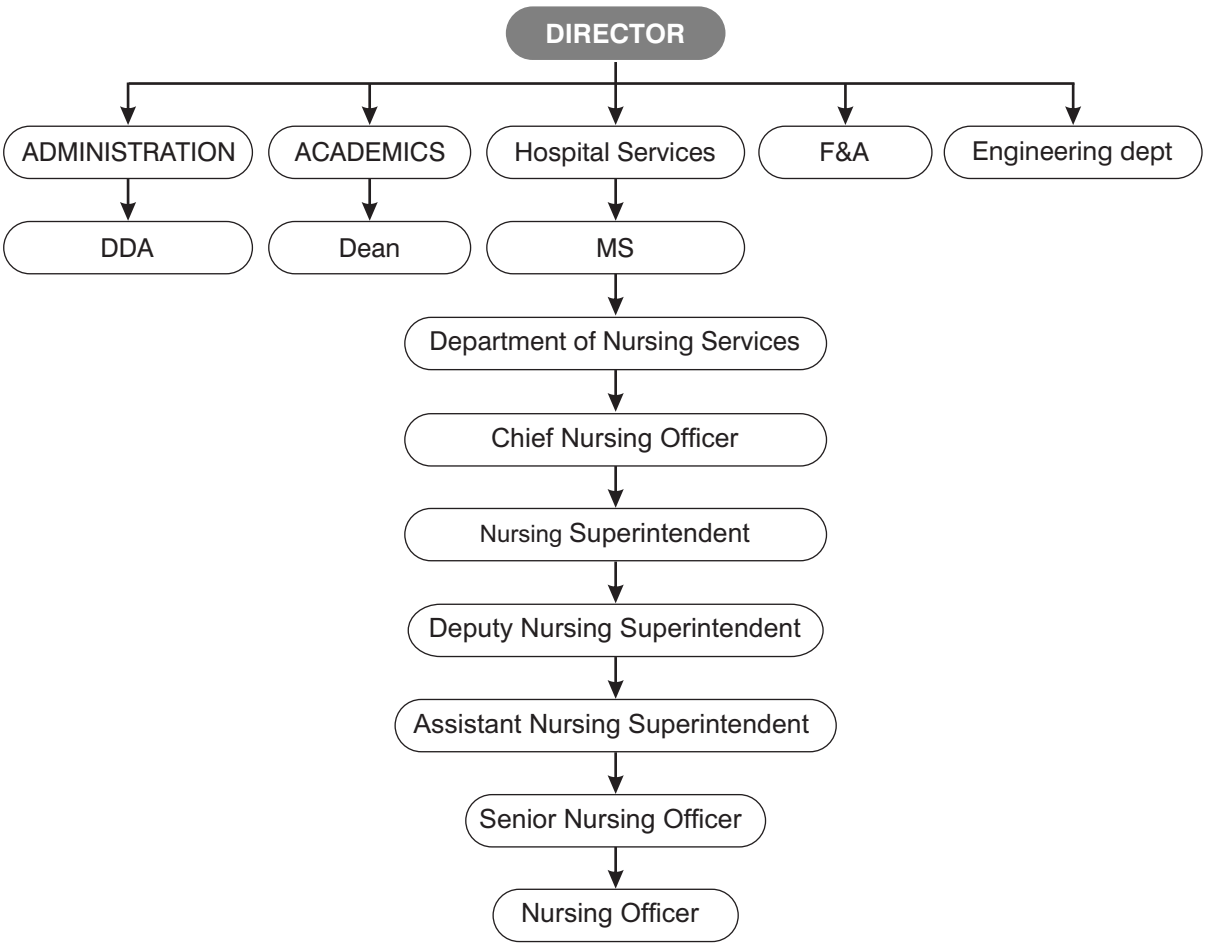
7. NURSING SERVICES

Nurse's roles expand, twist and contract in creative and ingenious ways to address changing circumstances and needs of the health systems in which they work. Ensuring that nurses have a voice in the development and implementation of health policy is fundamental to ensuring these policies are effective and meet the real needs of patients, families and communities around the world. Nurses are the largest health profession across the world. Nurses work in all areas where health care is provided. Department of Nursing Services is working independently under the guidance Nursing Superintendent and Officiating Nursing Superintendent and Deputy nursing superintendent.

Department has following Nursing staff :

Sl. No.	Name of post	Number of Nursing staff & other	
		Regular	
1	Deputy Nursing Superintendent	09	
2	Senior Nursing Officer	42	05
3	Nursing officer	1045	233
	Total	**1096**	**238**

Organogram Chart



Departmental Activity:

I) Nurse Lead Initiatives in AIIMS, Rishikesh.

Nursing is most important department of comprehensive patient care from admission up to discharge billing. Enlisted here are few areas where department of nursing play vital roles.

1. Interdisciplinary approach in patient care.

Nurses in AIIMS, Rishikesh work in hand in hand with other disciplines in comprehensive care. Across the lines of disciplines, above as well as below in hierarchy. We have an uprising number of operative procedures where nursing personnel not only taking part as theatre nurse, but also manages the equipment and assist in providing anaesthesia. We had a record number of dialysis in AIIMS, Rishikesh, by the Department of Medicine where, Nurses actively work as Providers of Nursing care and as dialysis Technicians. Nurses in AIIMS, Rishikesh closes gaps of residents in many areas under guidance of consultants.

2. Multidisciplinary approach in Data management.

Nurses first handily deal patients data as well as hospital data. Nursing Officers act responsibly to prepare, maintain and store data in hard copy as well as in the Hospital information system. In coordination with MRD and Hospital information system. Evening and night supervisors compile patient census as well as details and submits hard and soft copy to the M. S. Office.

3. Multidisciplinary approach in Quality control.

Nurses work under the guidance the hospital administration plan, and implement evidence based practices in AIIMS, Rishikesh. Senior Nursing Officer, Mr. Srikanth Desai, Nursing Officers Ms Ramya T quality nurses who collect data of quality indicators in collaboration with hospital administration.

4. Multidisciplinary approach in Store Management.

Central Store is getting ready under great vision of Hon'ble Director. Nurses bridges the gap by indirectly taking part in procurement, quality check and maintenance. Senior Nursing Officers taken the responsibility of ensuring continuous flow of resources in collaboration with various departmental HODs.

5. Hospital information system.

Nursing Department in association with IT Department trains nursing officers to deal with E-Hospital. Nursing Officers are successfully managing admissions, discharges, entry of investigations, and billing. Mr. Nikhil B (DNS), Mr. Naga Srikanth and Mr. Sathish P, SNO are leading person to person training activities within department of nursing.

6. Infection control.

AIIMS, Rishikesh have seven infection control nurses who work under the guidance of Hospital Infection Control Nursing Officers.

a) Hand hygiene audit

b) BMW segregation audits

c) HAI Surveillance
   - BSI
   - UTI
   - VAP

d) Outbreak investigation

e) Occupational safety
   - Needle (Sharp) Stick injury management following blood and body fluid Exposure
   - Hepatitis B vaccination of Health care professionals

f) Training of health care professionals
   - Need based
   - Induction training with support of Medical Education Department

7. Diabetes Educator

Nursing Officers Hema and Pankaj Punjot function as diabetes educators under the guidance of department of endocrinology and participate actively in dissemination awareness regarding diabetes mellitus and its management.

8. RBSK Programme Coordination:

a) RBSK was started in our Institute on 26.11.2018

b) The RBSK programme AIIMS at early detection and management of 30 health conditions under 4 Ds (Defects at birth, Disease, Deficiency Conditions & Developmental Delays prevalent in children.

c) This programme covers children up to 18 years of age.

d) This programme entails child screening at two levels community level and the facility level.

e) The District Early Intervention (DEIC) is the hub of all RBSK activities, it acts as a clearing house and also provide referral linkage.

9. Nursing Officer works as a coordinator.

a) Mrs. Pooja and Ms. Lakshmi from department of nursing works as RBSK coordinators.

b) Coordination between district early intervention centre (DEIC) & AIIMS, Rishikesh.

c) Receiving patient's from DEIC.

d) Ensuring for free registration.

e) Assisting patient's for OPD & Lab investigations.

f) Coordination between patients and respective department from admission till discharge.

g) Pre-authorization from DEIC.

h) Preparing all documents for reimbursement from state government as per MoU.

10. Nursing Education and Training.

a) All Nursing Personals are registered for 15 mandatory courses conducted by ACCPD and attend this courses as per schedule. Capacity Enhancement Training Programme (122 Nursing Skills Modules) & Basic Critical Care Skill Training Programme (12 Skill Stations) is mandatory for all nursing personals.

b) Every week, each nursing officer undergoes education and training within their own unit.

c) All Trainings from Department of Nursing Services are organized & coordinated by Ms. Vandana, DNS, Mr. Kamlesh Chand Bairawa, DNS & Mr. Pankaj Punjot, Training Coordinator.

d) Senior Nursing Officer Mr. Hemanth Kumar working as Medical Education Cell Coordinator.

11. Community Outreach Programmes.

Nursing Officers from department of nursing take part in outreach programmes including health camps and voluntary blood donation camps in rural areas in collaboration with department of community medicine and department of transfusion medicine.

12. OPD & Day Care Management.

AIIMS, Rishikesh is witnessing record high in day care procedures. More than seven thousand COVID-19 vaccination done within years by our nursing officers.

II) Health awareness/educational activities organized by Department

a) Nurses week celebration

b) Launch of international nurses day theme

c) Photography competition

d) Poster competition

e) Slogan competition

f) Blood donation camp

g) Lamp lighting

III) CME / Workshop / conference / training organized by Department

a) Conducted Nursing Induction Training program for newly recruited nursing officers.

b) Actively coordinated & participated in all mandatory trainings conducted by ACCPD for Nursing Cadre.

c) Coordinated and conducted weekly CNE (Continuing nursing education) in all units of hospital.

IV) New initiatives of Department

a) Specialized nursing cadres in hyperbaric oxygen therapy, kidney transplant unit, PICC line, sleep lab, stoma care and bone marrow transplantation.

b) Certified pressure injury coordinators for each unit with a vision of establishing new horizons in Wound Care Nursing.

c) Initiated protocols & practices of implementation of NABH standards for nursing excellence.

d) Nursing research initiated to promote evidence based practices and published various research articles in national and international journals.

e) Actively participated in establishment and functioning of covid 19 units in AIIMS, Rishikesh.

f) Worked towards dissemination of knowledge regarding management of COVID 19 among health care workers.

g) Implemented new hospital forms in collaboration with team quality.

h) Hospital informatics system in collaboration with IT department was implemented for smooth functioning of E-Hospital.

V) Awards / honour received by Department

a) Mr. Hemant Kumar, Senior Nursing Officer has completed simulation education course from Monash University, Australia.

b) Ms. Vijayshree Singh, Nursing Officer got first prize in e-poster competition by organized by MIDCON IASO-2022.

c) Mr. Shrikant Desai, Senior Nursing Officer got the certificate for contribution towards Swachchhata, which was solemnized from 1st to 15thApril, 2021.

d) Mr. Prakash Mahala, Senior Nursing Officer has participated and got first prize in E-poster competition.

e) Department of Trauma Surgery has organized 8-ATLS and 8-ATCN Instructor courses in the period of 01.04.2021 to 31.03.2022.

f) Department of Neurosurgery IPD has organized ideal bedside antimicrobial stewardship practice from 18th to 24thNovember, 2021.

VI) Other activity / achievement of Department

Mr. Hemant Kumar, SNO innovated “cleft lip & cleft palate surgical training module” collaborating with Plastic Surgeon. Patent is on process.

VII) Future plan of Department

a) To get the NABH Nursing Excellence Certification.

b) Continue a nursing research committee under nursing service department to promote nursing research among Nursing Officers.

c) Establish a nursing quality and education cell under the nursing service department.

d) Implementation of Human Resource Management Module on Digital Platform.

e) To prepare a team of an infusion Experts in the hospitals.

f) To establish Nurse Led wound care clinic.

8. REPORT OF FACULTY DEPARTMENTS

















DEPARTMENT OF ANAESTHESIOLOGY











8.1 ANAESTHESIOLOGY

Evolution as well as provision of safe, efficient, ethical, and state-of-the-art perioperative care of patients with acute and chronic illnesses

Innovation and excellence in anaesthesia clinical practice, research and medical education of students, residents, fellows, paramedical staff as well as lay persons.

Delivery of preeminent perioperative care to patients of all ages undergoing various complicated surgeries, critical care and pain management by up-to-date clinical care based on the latest evidence (research) and knowledge (education)

Department has following faculty members –

S.No.	Name of Faculty	Designation
1	Dr. Sanjay Agarwal	Professor & Head
2	Dr. Yashwant Singh Payal	Additional Professor
3	Dr.Debendra Kumar Tripathy	Additional Professor
4	Dr. Ankit Agarwal	Additional Professor
5	Dr. Gaurav Jain	Additional Professor
6	Dr.Ajit Kumar	Additional Professor
7	Dr. Ajay Kumar	Additional Professor
8	Dr. Praveen Talawar	Associate Professor
9	Dr. Deepak Singla	Associate Professor
10	Dr. Priyanka Gupta	Associate Professor
11	Dr. Pawan Kumar Jain	Assistant Professor
12	Dr. Bhavna Gupta	Assistant Professor
13	Dr.Mridul Dhar	Assistant Professor

I) Departmental activities:

1. Academic

The Department is involved in teaching of Undergraduate Students, PG Junior Residents, DM Students (Neuro Anaesthesia, Critical Care Medicine, Cardiac Anaesthesia, Interventional Pain Medicine and Onco-Anaesthesia) and PDCC (Neuroanaesthesia, Critical Care Medicine, Interventional Pain Medicine, Cardiac Anaesthesia, Onco-Anaesthesia, Paediatric Anaesthesia). The undergraduate classes caters to teaching of basics of the subject and basic resuscitation(BLS). The department is also involved in introductory lectures of the foundation course for the incoming undergraduate students.

B.Sc. Anaesthesia Technology course started in July 2019 in the Department.

Diploma in Anaesthesia course started in Jan 2021 in the Department.

2. OPD Services

The Department is regularly running OPD based Pre Anaesthetic Check-up Clinic (PAC) and Pain Relief Clinic.

3. IPD Services

The department of Anaesthesia is providing their services to board specialities like General Surgery, ENT, Ophthalmology, Orthopaedics Obs&Gyane and Super specialities of CTVS, Neurosurgery, Head & Neck, Onco Surgery, Burn & Plastic Surgery, Paediatric Surgery, Urology and advanced robotic surgeries

A 24 hours' emergency OT and Trauma OT is being run by the department on all days catering to emergency/ Trauma Cases.

4. Health awareness / educational activities organized by department

a) Simulation lab-related activities incorporated into PG student classes

b) Regular online/ offline academic classes of

MD students

c) Various research-related activities ongoing for PG students and faculty .

5. CME/ workshop/ conference/training organized by department

a) "Live Workshop Percutaneous Endoscopic Discectomy" organized by the Department of Anaesthesiology, AIIMS Rishikesh on 31 October 2021.

b) "Ultrasound Guided Regional Anaesthesia Cadaveric Workshop" organized by the Department of Anaesthesiology, AIIMS, Rishikesh on 19th March 2022.

6. New initiative of department

a) There is proposal to start 10 bedded Pain Medicine ward

b) Proposal to start acute pain services (APS), Vertebroplasty, Kyphoplasty and Endoscopic Discectomy by various methods

7. Other activities/ achievement by Department

Various faculty of department were part of administrative teams for management of covid and Mucor patients

II) Faculty activities:

Dr Sanjay Agrawal

Professor & Head

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Delivered lecture at SPARC 2021, SGPGIMS, Lucknow

b) Resource faculty for Training for ECG at AIIMS, Rishikesh

c) Steroids for Spinal Trauma-What is new. Lecture delivered at UPISACON 2021 at Varanasi, Oct 2-3,2021

d) Lecture delivered on Anaesthesia machine at LHMC Refresher course, LHMC, New Delhi Oct 4,2021

e) Chairperson in session on ABG and Electrolytes at World conference of covid and critical care, Oct 24,2021,Agra

f) Airway management in Covid19 patients. Lecture delivered at ISACON Uttarakhand, Dehradun, October 30-31,2021

g) Organising Chairperson at Percutaneous Endoscopic Discectomy Live workshop at AIIMS, Rishikesh ,Oct 31,2021

h) Chairperson in session on Delivering Technology that Matters at UP-UK APPICON 2021,Aiims Rishikesh, Nov 12-13,2021

i) Member Board for Speciality Board-Onco anaesthesia, Diplomat National board, New Delhi

j) Invited Faculty in Ultrasound guided blocks in ED", December 7-8,2021, AIIMS Rishikesh

k) Invited Faculty for Airway workshop, ICACON 2021,New Delhi, Dec 17,2021

l) Intraoperative Induced Hypotension: Recent advances at ICACON 2021, Dec 18,2021, Delhi

m) Invited Speaker for Anaesthetic Management of Patient with Diabetes on Insulin Therapy on 05.03.2022 at RMLIMS ,Lucknow

n) Organising Chairperson for Ultrasound Guided Regional Anaesthesia Cadaveric Workshop 2022 on March 19,2022 at AIIMS, Rishikesh

o) Examiner for KGMU, Delhi University, AIIMS Jodhpur & Patna, DNB, Dr NB, IMS BHU

p) Resource faculty at ATLS course at AIIMS, Rishikesh,6.09.2021- 8.09.2021

Dr Ankit Agarwal

Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Annual Conference of ISACONUP 21 at BHU from 1-3 Oct 2021

b) ICACON 2021 at New Delhi from 17-19 Dec 2021

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Invited Speaker at World Congress of Anesthesia WCA 2021, September 1-5,

2021 at Prague

Dr. Ajit Kumar

Additional Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Delivered lecture as a faculty on "Indian Society of Anaesthesiology –UP Chapter. 1-4 th October 2021

b) Delivered lecture as a faculty on Ultrasound guided regional Anaesthesia (Cadaveric Workshop 19 March 2022)

Dr. Praveen Talawar

Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) 2nd-3rd October 2021: Patna Regional Anaesthesia Course 2021, Conducted by AIIMS, Patna- Guest lecture and workshop faculty

b) 21st to 23rd October 2021: 30th ISACON East Zone and 33rd ISACON BJSA 2021, Conducted by ISA East Zone, Patna, Bihar- Participated as workshop faculty

c) 19th March 2022: Ultrasound Guided Regional Anaesthesia Cadaver Workshop- Participated as co-organizing secretary and workshop faculty

Dr. Mridul Dhar

Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Faculty lecture, UPISACON Oct 2021, BHU, Varanasi. Paediatric TIVA and TCI

b) Chairperson/ judge for paper presentation in ISACON Karnataka Oct 10 2021 (Online).

c) Organising secretary, Resource faculty, USG guided regional anaesthesia cadaveric workshop AIIMS Rishikesh –19th March- 2022

d) Co- Coordinator, resource faculty, Internship orientation programme, AIIMS Rishikesh ,3rd - 8th Jan 2022

e) Resource faculty, TOT training for critical care of covid 19 patients: AIIMS Rishikesh 15-16 august 2021 (ABG and critical care bundles)

f) Resource faculty, Management of covid 19 in paediatric patients, CPD, AIIMS Rishikesh.13-16 July 2021

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

World congress of anaesthesia, Prague (online) poster presentation on: High flow nasal oxygenation in apnea: A simulation study" sept 1-5 2021.

3. Awards & honours received

a) Lions Club award for contribution during Covid pandemic

b) WFSA scholarship to present in world congress of anaesthesia sept 2021 (online)



DEPARTMENT OF ANATOMY









8.2 ANATOMY

Anatomy forms the foundation of Medical Education. Various subdivisions of Anatomy are pillars on which the clinical practice of Medicine rests. With advancement in digital and other audio-visual technologies, Anatomy teaching has been revolutionized.

Anatomy department of AIIMS, Rishikesh provides opportunity to teach, learn and research through the best of medical equipment and conventional modalities together.

Vision Statement.

A: Achieve Excellence in Teaching, Learning and Research in Medical sciences.

I: Instill values of respect for cadaver, themselves and all others, in our medical and allied health students.

I: Integrate clinical skills and research with fundamental anatomy for medical, nursing and paramedical students like MBBS, M.D, BSc nursing, BSc paramedical, MSc, and PhD.

M: Motivation, dedication and more of integrated learning with all clinical and paraclinical departments.

S: Safe and conducive environment for all students/Residents/Staff & faculty.

Mission statement

To lay foundation for skill based clinical anatomy learning, digitalized, modern, and well equipped facilities. Using these well-developed state of art facilities like Virtual dissection & surgical planning, 3D Printing and Clinical anatomy skill laboratories for teaching, learning, research, and assessment purposes, we deliver and contribute to a high standard quality of medical education and research. We follow conventional as well as modern teaching methods of clinical anatomy by maximum integration with clinical departments, to benefit our medical students to maximum.

Department has following Members –

S.N	Name of Faculty	Designation
1	Dr Brijendra Singh	Professor & Head
2	Dr. Mukesh Singla	Additional Professor
3	Dr. K.S. Ravi	Additional Professor
4	Dr. Rashmi Malhotra	Additional Professor
5	Dr. M.P. Barua	Additional Professor
6	Dr. Gitanjali Khorwal	Associate Professor
7	Dr Pooja Bhadoria	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate

- Total Teaching hours-600+ Hrs
- Integrated Lecture-03(In Department)
- Integrated Lecture-12 with clinical Department
- Integrated Lectures, demonstrations, histology, dissection, seminars/Quiz, small group clinical teachings
- Student training module for Hand -Hygiene
- Student training module for Bio-medical waste management
- Imaging Module
- Integrated teaching, MCQ, OSPE, Clinical signs, Guest lectures – clinical anatomy lab
- Students clinical training on Manikin
- Student activity on Virtual dissection and surgical planning lab
- Study on Artificial cadaver in clinical anatomy skill lab
- Study on CT/MRI & X-ray – E museum &Radiology museum
- Study on Human skeleton
- Embryology models and E-museum
- 3 D Printing

b) Undergraduate

Total Teaching -Hrs-70

Theory - 60 Hrs

Practical -10 Hrs

Conducted an Intramural Project:"Study of Students' Perspectives of COVID-19

Pandemic Induced Stress and Online Learning, and its Effect on Mental Health.

Resource faculty in foundation course for MBBS 1st Prof 2020-21 Batch.

c) Postgraduate

- Integrated Lectures-6 Hour/Week
- PG Seminar-5 Hour/Week
- PG Discussion--4 Hour/Week
- Dissection -6 Hour/Week
- Histology -4 Hour/Week
- LAB Techniques/Technology – 2 hours/ week

2. OPD Services

Dr Pooja Bhadoria :Ayushman Registration Counter In charge

Dr Rashmi Malhotra

a) DRDO- Faculty in-charge for logistics for 500 bedded hospital being started by joint collaboration of DRDO & Government of Uttarakhand & supported by AIIMS Rishikesh.

b) Co-ordinator for Quarantine/Isolation facilities in hostels for COVID cases from April 2021 onwards.

c) Staff Officer Pandemic from 1st May to 31st May, 2021- Posted in Emergency Department, AIIMS Rishikesh

d) IPD Services:

Dr Pooja Bhadoria

a) COVID Duties in month June 2021

b) As DMS- Facility Rounds of wards

c) Maternal mortality coordinator

3. Health awareness/ educational activities organized by department

a) Radio Talk-" Dehdan Mahadan" April-2022 at Prasar Bharti All India Radio Dehradun.

b) Organised and conducted NABH related trainings for nurses and other health care workers regarding medication management, documentation, introduction about NABH, patient and employee rights and responsibilities etc.

c) Coordinated and conducted for the training of health care workers regarding handling emergencies pertaining to code red, code blue, code pink, code yellow and code violet.

d) Keynote speaker for World Food Day celebration organised by Nutrition Society of India, Uttarakhand Chapter on 16th October-2021 at AIIMS Rishikesh.

4. CME/ Workshop/ Conference/Training organized by department

Soft Embalming Cadaveric Workshop-Anaesthesiology: Ultrasound guided regional anaesthesia (19th March 2022)

- Upper Limb
- Lower Limb

Plastic surgery (21st March 2022)

- Breast Dissection
- LD Flap
- LICAP Perforator Flap
- Incisions for breast augmentation/ reduction
- TRAM Flap/DIEP/SCIP
- Upper Limb
- RAFF
- PIA
- Lateral arm Flap
- Brachial Plexus
- Para scapular Flap
- Lower Limb
- Fibula
- Instep Flap
- Fasciocutaneous /muscle flap
- ALT
- Reverse Sural Flap
- Gracilise Flap

Orthopaedics (29th March 2022)

- Spine Surgery: Cervical

Orthopaedics (30th March 2022)

- Spine Surgery: Thoracic

Orthopaedics (31st March 2022)

- Spine Surgery: Lumber

5. New initiative of department

a) Interactive sessions start for UG & P.G/ Nursing/Paramedical.

b) Small group teaching/Clinical discussions/Problem based learning.

c) Teaching in anatomy is now clinical vignette based/with latest modalities.

d) Exam pattern is -100% MCQ based for theory & OSPE based for Practical.

e) Soft embalmed Cadaver Dissection facility/Workshops/training is shared by Faculty/Residents of clinical specialities & super specialities like-Neurosurgery, Paediatrics surgery/Urology/surgical Oncology/G.I surgery/ Orthopaedics/ plastic surgery/ Trauma & Emergency medicine of institute for training/ learning hand on workshop.

f) Bone harvesting -6 cadavers Burial.

g) 10 Voluntary bodies received & embalmed. (3 body embalmed by soft technique)

h) 34-Fetus received & embalmed.

i) Application form for Voluntary body donation -11.

j) Embalming facility for transportation for other parts of country - 08.

k) 17 wet prepared for anatomical museum.

l) Dissection lab made formalin free to 90%.

m) Histological slides – in house prepared and created -1250 Slides with special stains & total slides -16,609

n) Virtual dissection facility/training has been used for Undergraduate, Postgraduate students & super speciality like-Neurosurgery, Paediatrics surgery/Urology/surgical Oncology/G.I surgery/ Orthopaedics/plastic surgery/Trauma & Emergency medicine.

o) In house practical /lab manuals for histology & dissection lab.

p) Clinical 3D printing facility is provided for clinical departments - Orthopaedics, Surgical oncology & Plastic Surgery etc.

q) MSc Anatomy- First Batch 2018 successfully completed.

r) E-museum

s) 3 D Printing

6. Other activities/achievement by Department

a) Student training module for Hand Hygiene

b) Student training module for Bio-medical waste management

c) Virtual Dissection module

d) Small group Clinical skill training to undergraduates

e) CT/MRI training to Undergraduate students

f) Fetal Lab In-charge of Fetal Autopsy Services, started in June 2021(Dr Pooja Bhadoria)

Cadaveric Workshop-14

General Surgery(30 June-2021)

- Open cholecystectomy
- Abdominal access by midline incision
- Posterior component separation and TAR
- Anterior approach inguinal hernia
- Inguinal lymph node dissection

General Surgery(1st July-2021)

- Small bowel resection and anastomosis
- Feeding Jejunostomy
- Gastrostomy, Pyloroplasty
- Ileostomy

General Surgery (2nd July-2021)

- Right Hepatectomy
- Billroth I
- Billroth II
- Vagotomy

Surgical Oncology(3rd July-2021)

- Right Hemicolectomy
- Left Hemicolectomy
- Colostomy

Obs& Gynae (5th July-2021)

- Hysterectomy
- Salpingoophorectomy
- Tubal Ligation
- Internal iliac artery ligation
- Tracing the ureter with relationship
- Total peritonectomy with diaphragmatic stripping
- Total omentectomy

Urology (6th July-2021)

- Nephrectomy
- Retroperitoneal lymph node dissection
- Radio cephalic AV fistula
- Brachiocephalic AV fistula
- Anterior Exenteration

CTVS (7th July-2021)

- ICD technique & drainage
- Anterior Thoracotomy with clam shell incision technique
- Posterolateral thoracotomy
- Pericardial window-sub xiphoid approach

ENT (8th July-2021)

- Thyroidectomy
- Neck Dissection
- Approach to parathyroid gland
- Surgery on salivary gland

Plastic Surgery (9th July-2021)

- Tendon repair
- Nerve repair/graft
- Brachial plexus injury
- Compartments of hand fasciotomy

Plastic Surgery (10th July-2021)

- Flaps of posterior trunk
- Upper limb
- Lower limb
- Perineum genitalia and sacrum
- Anterior Trunk
- Head and Neck

Orthopaedics: Shoulder and Arm (12th July-2021)

- Deltopectoral Approach
- Axilla Dissection
- Posterior/anterolateral Approach to humours

Orthopaedics: Elbow, Forearm and Hand (13th July-2021)

- Anterior Approach to elbow/coronoid
- Thompson Approach
- Henry Approach
- Approach to scaphoid

Orthopaedics: Hip and Pelvis (14th July-2021)

- Smith Petersen Approach
- Kocher langenback Approach
- Lioinguinal Approach

Orthopaedics: Knee and Ankle (15th July-2021)

- Posterior Approach to knee
- Swashbuckler approach
- Posterolateral approach to fibula
- Anterolateral Approach to ankle

7. Future plans of department

Cadaveric Skill laboratory:It is an essential part of surgical training and reputed to be best available substitute for live surgery now a day. It allows trainee to have direct and real feedback while developing anatomical awareness of different structures and their manipulation. In our department we will soon have this facility available to allow and facilitate experience on surgical procedures like: Laparoscopy, Head and neck surgeries, Arthroscopy, Arthroplasty etc.

II) Faculty activities:

Prof Brijendra Singh

Professor & Head

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

As Faculty /Guest Speaker

a) "Cadaveric Flap Dissection Workshop" held at All India Institute of Medical Sciences, Rishikesh on 21st March-2022.

b) Virtual National CME on "Micrometry in Microscopic Image Analysis using ImageSoftware organized by Department of Anatomy, JIPMER. Pondicherry on 12th Feb-2022

c) Virtual CME on "Expanding Horizons of Anatomy Knowing the Unknown" held on 28th January 2022 during the 68th ASI (A Virtual Academic Fiesta) Department of Anatomy Kind George's Medical University U.P. Lucknow

d) Virtual Pre-Conference workshop on "Overview of In-Fertilization: Focus on Male Infertility" held on 27th January 2022 during the 68th NATCON of ASI(A Virtual Academic Fiesta)

e) Webinar "Virtual Vs Explicit: Opportunities & Challenges" on topic –Merits & Demerits of Virtual Teaching-9th to 10th July-2021 at Teerthankar Mahaveer Medical College & Research Centre, Moradabad Uttar Pradesh

As Chairperson

Webinar attended as Chairperson Scientific session in the Virtual CME on Remembering Anatomy: Memory's secrets revealed, on 9th October-2021, Department of Anatomy & MEU, Trichy SRM Medical College Hospital and Research Centre.

2. Participated in International CME /

conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master

As Chairperson

Webinar -International Workshop of Anatomy IWA-2021) on Theme: - Evolving Trends in Anatomy: A Global Perspective on 22-23 October-2021 at Department of Anatomy, Teerthanker Mahaveer Medical College & Research Centre Moradabad

Dr Mukesh Singla

Additional Professor

1. **Participated in CME / Conferences / Workshops / Trainings (As Guest Lecturer / Resource person / Chairperson / Co-chairperson/ Panellist / Quiz Master)**

a) Chaired a scientific session in CME entitled "Virtual Vs explicit :Oppurtunities& Challenges", organized by the Anatomical society, Teerthanker Mahaveer Medical College & research Centre, Moradabad, on 10th July 2021

b) Participated as resource faculty in "Ultrasound Guided Regional Anesthesia Cadaveric workshop" held at AIIMS Rishikesh on 19th March 2022.

Dr Rashmi Malhotra

Additional Professor

1. **Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Chaired a scientific session in CME entitled "Virtual Vs explicit : Opportunities & Challenges", organized by the Anatomical society, Teerthanker Mahaveer Medical College & research Centre, Moradabad, on 10th July 2021

b) Received Certificate of Recognition for moderating a talk on Evolving Trends in Anatomy: A Global Perspective organised by Teerthankar Mahavir Medical College from 22-23 October, 2021.

c) Received Certificate of Recognition for Moderating a session in preconference CME on 27th January 2022 organised by Department of Anatomy KGMU, Lucknow

Dr Pooja Bhadoria

Assistant Professor

1. **Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Oral presentation on Title - "Variation in Myotendinous junction with Muscle's Tensile Strength" in 68th NATCON, ASI (Virtual Conference) held between 28 - 30 Jan 2022.

b) Participated as Moderator in International Workshop of Anatomy, IWA 2021 organized by Teerthankar Medical College and Research centre ASI, 22-23 October 2021.

c) Delivered Lecture on structure and function of liver in capacity building workshop for physicians in Uttarakhand training held from 10th August to 12th August,2021.

d) Delivered Lectures on Female Reproductive System in VIA Training Program for Staff Nurses of Uttarakhand held from 10 August 2021, 14 September - 2021 and 23 March 2022.

e) Resource person in Research Methodology Course of AIIMS Rishikesh.

As Organizing Team Member:

a) Organized program for Doctor's Day Celebration on 1st July 2021 at AIIMS Rishikesh

b) Organized and coordinated programs for SwachhtaPakhwada in April 2021 and Swachhta hi Sewa in Oct 2021 and submitted report to Ministry of Health & Family Welfare

c) In compliance to NABH standards, organised Drug & Therapeutic, Medical record, Quality & hospital operations, and safety committee meetings

d) Organised NABH related trainings for doctors, nurses and other health care workers regarding medication management, documentation.

e) To improve patient safety organised mock drills for – code red, code blue, code yellow and code pink

f) Organised presentation of quality indicators in compliance to NABH standards and guidelines by respective departments.

g) Organised and conducted NABH related trainings for nurses and other health care workers regarding medication management, documentation, introduction about NABH, patient and employee rights and responsibilities etc.

h) Coordinated and conducted for the training of health care workers regarding handling emergencies pertaining to code red, code blue, code pink, code yellow and code violet etc.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Oral presentation on Title - "Multi-Organ System Dysfunction in Covid-19--A Review." in Biomedical Signal and Image Processing (BIOMESIP 2021), Granada (Spain), held between July 19-21, 2021.

b) Poster presentation on Title "Morphometry of human fetal liver of gestation age 12-36 weeks" in 6th International Anatomical Sciences and Cell Biology Conference (IASCBC 2022) by National University of Singapore, from 21-23 February 2022.

DEPARTMENT OF BIOCHEMISTRY







8.3 BIOCHEMISTRY

- Vision and mission of Biochemistry department is to grow dynamically at 360 degrees in academics, diagnostics, and research.
- Each member of Biochemistry department is unique with specific abilities, knowledge and skills who work with full strength, dynamism, and interdependence to achieve vision, goal of department to serve stake holders of institute.
- We provide highest standards of medical education and research activities to healthcare leaders admitted in various undergraduate and post graduate courses - MBBS, BSc Nursing, BSc Paramedical allied courses, MD, MSc and PhD. Teaching is based on Competency Based Medical Education, student centric for making students understands the depth of subject knowledge and its applications in health profession. Various modalities of teachings are applied and upgraded with need of time and implemented as horizontal and vertical integrated interactive sessions, tutorials, self-directed learning, seminars, quiz, case discussions, flipped classes, peer-group teachings to promote inquisitiveness and dynamism among students. In current year due to COVID-19 pandemic crisis most of our interactive teachings and evaluations of formative and summative examinations were smoothly and successfully conducted on online mode.
- Diagnostic services for patient care are initiated and expanded as per feasibility, priority and clinician's demand at Clinical Biochemistry Laboratory 24x7x365. Diagnostic services provide routine and special investigations for patient care. Department has specialized laboratory panels for Neuro-biochemistry and Gastro-biochemistry. A specialized COVID lab is working to support COVID-19 diagnostics Cytokines and Immunoglobulins were initiated at Biochemistry department.
- We are determined to innovate and explore translational research for significant outcomes for humanity. Departmental faculty and students are dedicated in working upon various ongoing research projects based on Molecular biology techniques, Gastro-biochemistry, Neuro-biochemistry and COVID-19 in collaboration with various inter-intradepartmental and national institutes.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr Anissa Atif Mirza	Professor and Head
2	Dr Manisha Naithani	Additional Professor
3	Dr SaramaSaha	Associate Professor
4	Dr Bela Goyal	Associate Professor
5	Dr Kiran Meena	Associate Professor

I) Departmental activities:

1. Academic

Undergraduate

- Interactive Lectures to understand Human Biochemistry in Health and Disease based on CBME
- Integrated Teaching-CNS, Stomach, Reproductive System, Kidney, Pancreas
- Practical- Qualitative and Quantitative Experiments
- Demonstrations: Automation, ISE, Electrophoresis, ELISA, DNA Extraction, PCR
- Tutorials- Case Study Discussions
- Conducted Group Symposiums by the MBBS 1 st Professional students
- Vertical and horizontal integrated teaching on important topics
- Case studies and Group Discussions
- Mentorship for student improvement
- Peer teachings for slow learners
- Blueprint of Biochemistry – Must Know, Should Know and May Know
- Self-Directed Learning- Seminars, group discussions, Kahoot Quiz Activities
- MCQ based examination pattern

- Monthly Formative Assessments for theory
- OSPE for Performance and Communication Skills
- Research Review Topics for MBBS, STS Research Projects

MBBS 2020 Batch appeared for Professional Exams in December 2021 – Secured 99 percent passing results with 33 Distinctions in Biochemistry.

Postgraduate (MD, MSc and PhD)

- Seminars
- Journal Club Presentation
- Case Presentations
- Research Progress and thesis protocol meetings
- Postings to Other Departments for intercolabrative approach

2. OPD Services

a) Department of Biochemistry has functional Clinical Biochemistry Laboratory which is providing the diagnostic amenities for patients since inception of OPD services May 2013, presently with approximately 115 varied biochemical parameters investigated on various body fluids.

b) The Clinical Biochemistry Laboratory is equipped with Fully Automated Analyzers for Routine and Special Biochemical investigations, Chemiluminescence Immunoassay for Hormones and Vitamins, Electrolyte Analyzers and ABG Analyzers for Water Electrolytes and Acid Base Analysis.

c) The Clinical Biochemistry laboratory is supporting the diagnostic specialized investigations like CK-MB, CPK- NAC, Lipase, hs CRP, LDH, Vitamin B12, Thyroid profile, extended Diabetes profile, Hormonal profiles for fertility makers, Tumor markers, Bone markers, Cardiac markers, Anemia markers, routinely carried with quality reporting system.

Various Labs of Clinical Biochemistry Department

a) Neuro-biochemistry Diagnostic Lab

b) Endocrinology biochemistry Lab

c) New born Screening & Prenatal Screening Lab

d) Gastro-biochemistry Diagnostic Lab

e) COVID-19 Cytokines and Immunoglobulins Lab

Number of OPD Investigations	-	580746
Number of IPD Investigations	-	706234
Number of Investigations in Endocrine Lab	-	66570
Number of Investigations in Gastrobiochemistry Lab	-	1947
Number of Investigations in Neurobiochemistry and COVID lab	-	2532
Total Number of Investigations of Clinical Biochemistry Lab	**-**	**13,59697**

3. IPD Services:

The Department of Biochemistry through Clinical Biochemistry Laboratory has been providing diagnostic facilities for IPD round the clock at Central Diagnostic Block 1st Floor B3 and B6areas of Hospital Block.

Quality Control: To attain quality service of reported Clinical Biochemistry laborator investigations, we have daily internal QC checks and also enrolled in External QualityAssessment Scheme (EQAS), run by the Department of Clinical Biochemistry, Christian Medical College, and Vellore. The results for all EQAS run specimens for enrolled biochemical investigations are certified within the reference levels.

4. Health awareness/ educational activities organized by department

A talk on balanced diet with low cost was deliveredto relatives of patients by Prof. Satyavati Rana and Dr Kiran Meena during National Nutrition week.

5. CME/ workshop/ conference/training organized by department

a) Organized Basic Hands of Training Workshop on Newborn Screening on 16th November 2021 intercollaborative organization of Biochemistry Department AIIMS Rishikesh and Department of Medical Laboratory Technology Pt L.M.S SDSUUC Rishikesh

b) Organized NABL quality laboratory training for faculty, residents, students and technical persons and laboratory attendants on 18th September 2021

c) Organized Faculty guest lectures on 16th December 2021 on hybrid platform by Dr Jagat Kanwar topic presented: New Development in Nanomedicine and Future Opportunities

d) Organized Faculty guest lecture by Prof Rupinder Kaur Kanwar on 17th December 2021 Virtually on topic Nanocapsules with a regenerative potential in salvaging hypoxia injured cardiomyocytes.

6. Future plan

Diagnostic Services

a) Molecular Diagnostic Services for Targeted Cancer Therapy

b) Renal Transplant Diagnostic Services

c) Stone Analysis Laboratory

d) Nutrient and Environment Chemical Analysis- Metal, Alcohol, Pesticide

e) Screening Centre for Inborn Errors of Metabolism

f) Specimen Transportation by Pneumatic tubing system

g) Laboratory Information System interfaced with HIS

h) NABL Accreditation

Research

a) New born Screening & Prenatal Screening Lab

b) Heavy Metal Analysis

c) Set Up Reference Values for Biochemical Investigations

Neuro-biochemistry Lab: The department is playing a key role in development of the super specialty neuroscience laboratory to assist neurophysicians, neurosurgeons and psychiatrists. We will also utilize valuable patients' samples for further research and better understanding at cellular and molecular level.

Gastro-biochemistry Lab: Department is actively involved in development of super specialty Gastro laboratory to assist Gastroenterologists, Gastro surgeons, & paediatrician. In future, various new tests for helping clinicians to reach a diagnosis for patients will also be established in the department.

II) Faculty activities :

Dr Anissa Atif Mirza
Professor and Head

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended and Contributed in Webinar How to write a research article presented on 24th April 2021 hosted by Symbiosis Institute Pune.

b) Resource Person of Faculty Guidance Webinar –COVID-19 Crisis Management basic to remember: Topic presented Cytokine Storm- How to identify? Delivered for Health Care Workers on 05/06/2021 organized by Advanced Centre of Continuous Professional Development AIIMS Rishikesh

c) Attended "International ONCOLOGY SUMMIT": GENOME (Mapping Experience into Practice)" held on 16th-17th July 2021, 5.00 pm onwards.

d) Faculty guest speaker on topic Quality Holistic Health Through Behaviorial Approaches HSOBPs at national workshop on YOGA in Psychotherapy held on 6th November 2021

e) Invited as Guest of Honours on occasion of Basic Hands of Training Workshop on New Born Screening on 16th November 2021 intercollaborative organization of Biochemistry Department AIIMS Rishikesh and Department of Medical Laboratory Technology Pt L.M.S SDSUUC Rishikesh

f) Attended as an Invited Faculty at Conference on Care of Cardio-Diabetic Disorders In Comorbid Conditions 25-26 November 2021

g) Presented an extramural project presentation in front of task force team members of DST SATYAM for research project entitled Efficacy of customized Yogasana–Pranayama- Dhyana (YPD) protocol in improvement of stress induced biomarkers and quality of life among cancer patients on palliative care: a randomized control trial on 5th December 2021

h) Faculty member of 3rd National Medical Research Competition 2021 from 6-10 December 2021 virtually hosted at AIIMS Rishikesh.

i) Nominated for Online training program on Integrated Scientific Project Management for Women Scientist and Technologists January 3-7 2020 Sponsored by DST Ministry of Science and Technology Government of India.

j) Resource person for Foundation Course of MBBS Batch 2021 for Topic Nutrition and Health on 3rd March 2022

k) Paper presentation In Expansions and Innovations in Health Sectors : Translating Research to Mankind on 24th and 25th March 2022. Topic: Spatial Distribution and Health Risk Assessment by evaluation of Physico chemical, Heavy Metals, and Microbiological indices water specimens collected from river Ganges in different climatic conditions in regions of Uttarakhand

2. Awards & honours received

Received teacher award on teaching contribution 5th September 2021

Dr. Manisha Naithani
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Delivered a talk on “Basics of Neborn screening” on 16th November 2021 in Department of Medical Laboratory Technology Pt L.M.S SDSUUC Rishikesh.

DEPARTMENT OF BURN & PLASTIC SURGERY





8.4 BURN & PLASTC SURGERY

Department has started functioning from 29.02.2016. with joining of Dr.Debarati Chattopadhyay and Dr.MadhubariVathulya (Joined on 12.05.16). The departmental faculty strength increased to four after joining of Dr Vishal Mago Additional Professor and Head of the department on 29.05.17, Dr. Akshay Kapoor Assistant professor (date of joining 26.02.18), Dr Mohd Altaf Mir Assistant Professor (20/02/2019), and Dr Neeraj (22/05/2020). Department of Burns & Plastic surgery is providing out-patient services since 2016 on everyday basis (Monday to Saturday). The various facilities provided in the out- patient clinic include consultation and counselling for all Plastic and reconstructive surgical cases. The department is providing (IPD) in- patient care to patients requiring admission for surgical intervention. Department has 24 beds exclusively for Plastic Surgery with all the ancillary facilities required for comprehensive care. The department has the facility of operating 6 days in a week (Daily) since September 2018 for elective cases and full emergency back-up 24*7.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Vishal Mago	Additional Professor & Head
2	Dr.Debarati Chattopadhyay	Additional Professor
3	Dr.Madhubari Vathulya	Associate Professor
4	Dr.Akshay Kapoor	Associate Professor
5	Dr. Neeraj	Assistant Professor

I) Departmental activities:

1. Academic

- 8 Lecture per Year
- 4 Intergrated teaching classes per year
- Teaching for 12 MBBS Students every month.
- Clinical Rounds.
- Two Seminars per week for MCh Plastic Surgery SR
- One Journal Club per week for MCH Plastic Surgery SR
- One Grand Clinical round
- Two Case Presentation per week for MCh Plastic Surgery SR
- Thesis protocol presentation & Progress assessment twice every six Month
- Monthly Internal Assessment MCQ Clinical vignettes & OSCE.

2. OPD Services: Total No of Patients: 5208

S.No	Units	Faculty Name	OPD Days
1.	Unit – I	Dr. Vishal Mago / Dr. Neeraj	Wednesday / Saturday
2.	Unit – II	Dr.Debarati Chattopadhyay / Dr.Akshay Kapoor	Tuesday / Friday
3.	Unit – III	Dr. Madhubari Vathulya	Monday / Thursday

3. IPD Services: - Total Patients admitted in IPD: 632

a) Craniofacial Surgery: craniofacial cleft, Craniosynostosis like Metopic suture synostosis, Coronal suture synostosis, Lambdoid (Plagiocephaly , Dolichocephaly, Trigonocephaly, Scaphocephaly etc.) Hemifacial macrosomia, teacher Collin's syndrome, TMJ ankyloses & hypertelorism correction and Maxillofacial trauma & deformity correction.

b) Microvascular Reconstructive surgery: Microvascular free tissue transfer like

Anterolateral thigh flap(ALT), Free fibula for mandibular reconstruction, Gracilis, Latissimus dorsi, limb replantation and revascularization. these surgeries are done to suit the knee post post cancer defect and limb defect.

c) Cleft surgery: Cleft lip and palate surgery, surgeries for Velopharyngeal incompetence(VPI) and mid face hypoplasia correction are done.

d) Hand surgery – Post burn hand deformities, post traumatic hand deformities, Nerve injury, Tendon injury, Old malunited fractures of hand with functional abnormalities, post electric burn hand, metacarpal hand, congenital hand deformities like Radial and Ulnar club hand, Syndactyly, Polydactyly, Lobster claw hand, clino and camptodactyly, Thumb duplication, Brachysyndactyly etc.

e) Brachial plexus surgery: Injury of upper limb involving C5,6 7,8 T1 Nerve with variable out come during birth or obstetric palsy. Reconstructive options like Neurotisation, tendon transfer, Derotation of limb, muscle re-education, muscle transfer eg. Trapezius, Latissimus dorsi, pectoralis major, free functioning muscle transfer, arthrodesis to get maximum functional outcome.

f) Aesthetic surgery: Brow lip eye lid Surgery, Liposuction, Breast augmentation and reduction, Abdominoplasty, Nose surgery, lip surgery, aesthetic facial surgery, contour deformity of face and body left procedure.

g) Facial nerve paralysis reconstruction: facial sling, gold plate, cross facial nerve graft, masseter nerve transfer, free functional muscle transfers for facial reanimation.

h) Hyperbaric Chamber Oxygen Therapy

4. Health awareness/ educational activities organized by department

Celebrated World Plastic Surgery on 15th July 2021 by the Department of Burns & Plastic Surgery AIIMS, Rishikesh.

5. CME/ workshop / conference / training organized by department

Workshop on Cadaveric Flap Dissection" on 21/03/2022by the Department of Burns & Plastic Surgery AIIMS, Rishikesh.

6. New initiative of department

a) Starting PDCC in Microvascular Surgery

b) Starting PDCC in Hyperbaric Medicine

c) Starting PDCC in Cleft and Craniofacial Surgery

d) Setting Up of Microsurgery Unit

7. Future plan

a) Setting up of Burns Unit

b) Setting up of Craniofacial Unit

c) Setting Up of Aesthetic Clinic

d) Upgradation of Skill Lab

e) Development of a fully-fledged Microsurgery and training unit

f) Laser Unit to be started in OPD for management of scars, pigmentation, vascular malformations, hair removal and facial rejuvenation

g) Start a stem cell lab as member secretary in our institutte

II) Faculty activities:

Dr. Vishal Mago
Additional Professor & Head

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) APSICON – 2020 – 21 on 22rd October 2021 to 24th October 2021

b) Speaker presentation in AWCA ISWM Conference 26-28 Nov 2021 Role of PRP in diabetic foot ulcers

c) Faculty in Cadaveric flap dissection workshop 21 Mar 2022

d) Member Advisory Committee Multidisciplinary International Conference on Indian Culture Science and Tradition 29-31 Oct 2021 Kullu HP

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Presented an article on HBOT in International Journal Club Helen L. and Martin S. Kimmel Hyperbaric and Advanced Wound Healing Center New York USA

b) Speaker in EGSSA 2021 Egypt -Shoulder function in postburn axillary contractures 1st Oct 2021

c) Poster in ATA OTA Otolaryngology Congress California 3-6 October 2021 Barotauma in hyperbaric medicine

d) Speaker in Plastic Surgery The Meeting 2021 Atlanta Augmented reality in plastic surgery education

3. Awards & honours received

a) APSI 2022 Visiting Professorship

b) FISS Fellow in International Society Surgery

Dr. Debarati Chattopadhyay
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

APSICON – 2020 – 21 on 22rd October 2021 to 24th October 2021

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Oral paper presentation in 77th Annual Meeting of American Cleft Palate Craniofacial Association 2021

Dr. Madhubari Vathulya
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) APSICON – 2020 – 21 on 22rd October 2021 to 24th October 2021

b) Resource person and oral presentation in National cleft and craniofacial orthodontics symposium

c) Faculty in Cadaveric flap dissection workshop 21 Mar 2022 AIIMS Rishikesh.

d) Faculty in AWCA-ISWCON 2021 NOV and presented oral presentations on Role of 3 D scanners in reconstructive surgeries.

2. Awards & honours received

a) Goa researcher award in APSICON 2021

b) Paper selected in Dr Ashok Koul innovative Prize session in APSICON 2021

c) Selected as Chairperson in ethical board of Uttarakhand Medical Council.

d) Member of APCA and ASPS

Dr. Akshay Kapoor
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) APSICON – 2020 – 21 on 23rd October 2021 to 24th October 2021

b) Faculty in Cadaveric flap dissection workshop 21 Mar 2022 AIIMS Rishikesh.

c) 20th Annual Conference at Tata Memorial Centre on 25th to 27th February 2022

d) Paper presentation in ISSHCON – 2021, on 07th August 2021

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) 2nd Global Conference Plastic Surgery and Therapy on 11th October 2021 to 12th October 2021

b) Chest Wall Perforator Flap Web Series

Dr. Neeraj
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) APSICON – 2020 – 21 on 22rd October 2021 to 24th October 2021

b) Faculty in Cadaveric flap dissection workshop 21 Mar 2022 AIIMS Rishikesh.







Advanced Center of Continuous Professional Development (CPD)





8.5 Advanced Center of Continuous Professional Development (CPD)

Workshops / Course conducted and organized

Sr. No.	Date	Workshops	Number and Participants
1.	05 to 07 April 2021	Research methodology, Biostatistics & Evidence Based Medicine	ANS-03 SNO-21 NO-12 Total Participannts-36
2.	07 -04-2021	Occupational Health Hazard and Vaccination Instructor	Nursing Officer-46
3.	08 -04-2021	Training on Research Paper/ Manuscript Writing	ANS-03 SNO-21 NO-12 Total Participannts-36
4.	08 -04-2021	Hand Hygiene and Biomedical Waste Management	Nursing Officer-44
5.	16 -04-2021	Professionalism, Interpersonal and Communication Skill	Nursing Officer-39
6.	17 -04-2021	Occupational Health Hazard and Vaccination Instructor	Nursing Officer-35
7.	16 & 17 April 2021	Training on Medical Officers under National Program for prevention & Control of Deafness	Medical Officers-9
8.	15, 16 & 17 June 2021	Nursing Induction Training Program of skill Stations	Nursing Officers-147
9.	05 -07-2021	Training of Trainers in making of Link infection prevention Nurses	SNO/ Nursing Officers-34
10.	12 -07-2021	Training on Professionalism, Interpersonal Communication& Ethics (Soft Skills)	Nursing Officers-47
11.	26 -07-2021	Training on Professionalism, Interpersonal Communication & Ethics (Soft Skills)	Nursing Officers-64
12.	27 -07-2021	Hand Hygiene and Biomedical Waste Management	Nursing Officers-44
13.	29 -07-2021	Hand Hygiene and Biomedical Waste Management	Nursing Officers-55
14.	04 -08-2021	Occupational Health Hazards and Vaccination	Nursing Officers-54 SNO-01
15.	05 -08-2021	Hand Hygiene and Biomedical Waste Management	Nursing Officers-47
16.	06 -08-2021	Occupational Health Hazards and Vaccination	Nursing Officers-62
17.	07 -08-2021	Workshop on Medical Photography	Nursing Officers-42 SNO-11
18.	08 -08-2021	Workshop on Medical Photography	Nursing Officers-50 SNO-05
19.	10 -08-2021	Training on Professionalism, Interpersonal Communication & Ethics (Soft Skills)	Nursing Officers-58 SNO-09

20.	11-08-2021	Occupational Health Hazards and Vaccination	Nursing Officers-102 SNO-03
21.	12 -08-2021	Hand Hygiene and Biomedical Waste Management	Nursing Officers-94 SNO-03
22.	13 -08-2021	Training on Professionalism, Interpersonal Communication & Ethics (Soft Skills)	Nursing Officers-56 SNO-02
23.	14 -08-2021	Workshop on Medical Photography	Nursing Officers-61 SNO-04
24.	26 & 27 August 2021	Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine for Nursing	ANS/SNO/NO-50
25.	28 -08-2021	Workshop on Research Paper/ Manuscript Writing	ANS/SNO/NO-50
26.	30 August- 04 September 2021	Faculty Development training on Medical Education Technologies	Faculty-15 Resident-01
27.	04 -09-2021	Workshop on Medical Photography	NO-42
28.	05 -09-2021	Workshop on Medical Photography	NO-40
29.	11 -09-2021	Workshop on Medical Photography	NO-38
30.	12 -09-2021	Workshop on Medical Photography	NO-33
31.	15 -09-2021	Workshop on Basic Airway Management	NO-37, SNO-03 Total Participants-39
32.	18 -09-2021	Workshop on Medical Photography	NO-76
33.	19 -09-2021	Workshop on Medical Photography	NO-76
34.	21-22 Sept. 2021	Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine for Nursing	NO-49, SNO-04 Total Participants-53
35.	23 -09-2021	Workshop on Research Paper/ Manuscript Writing	NO-49, SNO-04 Total Participants-53
36.	04 -10-2021	Workshop on Basic Airway Management	NO-43, SNO-01 Total Participants-44
37.	04-06 October 2021	Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine & Research Paper/ Manuscript Writing	NO-56, SNO-01 Total Participants-56
38.	08 -10-2021	Training on Professionalism, Interpersonal Communication& Ethics (Soft Skills)	NO-103
39.	09 -10-2021	Workshop on Skill Enhancement for Effective Digital Presentation	SNO-05, NO-54 Total Participants-59
40.	11 -10-2021	Workshop on Skill Enhancement for Effective Digital Presentation	SNO-11, NO-56 Total Participants-67
41.	11-13 October 2021	Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine & Research Paper/ Manuscript Writing	NO-49
42.	16 -10-2021	Workshop on Skill Enhancement for Effective Digital Presentation	SNO-01, NO-61 Total Participants-62
43.	18 -10-2021	Training on Professionalism, Interpersonal Communication & Ethics (Soft Skills)	NO-72, SNO-01 Total Participants-73

44.	20-22 October 2021	Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine & Research Paper/ Manuscript Writing	NO-62
45.	15 -11-2021	Workshop on Skill Enhancement for Effective Digital Presentation	NO-43
46.	16 -11-2021	Workshop on Skill Enhancement for Effective Digital Presentation	NO-43, SNO-01 Total Participants-44
47.	15-16 Nov. 2021	Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine	NO-40
48.	17 -11-2021	Workshop on Research Paper/ Manuscript Writing	NO-40
49.	18 -11-2021	Workshop on Skill Enhancement for Effective Digital Presentation	NO-49, SNO-01 Total Participants-50
50.	22-24 Nov. 2021	Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine	NO-65
51.	23 -11-2021	Workshop on Skill Enhancement for Effective Digital Presentation	NO-36, SNO-01 Total Participants-37
52.	24 -11-2021	Workshop on Research Paper/ Manuscript Writing	NO-65
53.	24 -11-2021	Workshop on Skill Enhancement for Effective Digital Presentation	NO-55, SNO-01 Total Participants-56
54.	25 -11-2021	Workshop on Skill Enhancement for Effective Digital Presentation	NO-78, SNO-01 Total Participants-79
55.	26 -11-2021	Workshop on Basic Airway Management	NO-53
56.	27 -11-2021	Workshop on Basic Airway Management	NO-49
57.	29 -11-2021	Workshop on Basic Airway Management	NO-46
58.	30 -11-2021	Workshop on Basic Airway Management	NO-54
59.	01-02 Dec. 2021	Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine	NO-89
60.	03-12-2021	Workshop on Research Paper/ Manuscript Writing	NO-89
61.	06 -12-2021	Workshop on Basic Airway Management	NO-37
62.	07 -12-2021	Workshop on Basic Airway Management	NO-50
63.	08 -12-2021	Workshop on Basic Airway Management	NO-67
64.	03-11 January 2022	Internship Orientation Program	MBBS Interns-99
65.	06-07 January 2022	Training on Hand Hygiene and Biomedical Waste Management	MBBS Interns-99
66.	06-07 January 2022	Training on Occupational Health Hazards & Vaccination	MBBS Interns-91

67.	21-22 February 2022	State Level Capacity 'Building Workshop of Rapid Response Team on Basic Epidemiology, Outbreak Investigation and Public Health EMR Management, FIMS, CEMT /CERT	State Medical Officer-20
68.	23-24 February 2022	State Level Capacity 'Building Workshop of Rapid Response Team on Basic Epidemiology, Outbreak Investigation and Public Health EMR Management, FIMS, CEMT /CERT	State Medical Officer-18

Simulation Lab Utilization for Training

S. NO	MONTH	NO. PARTICIPANTS	TRAINEES
1.	April	374	HA/MRC-20, MBBS (2017)-253, MBBS (2018)-05, Nursing Officers-47 Nursing Students-20, PG- JR-14, SVHM Hospital Nursing Satff-15,
2.	May	727	Baba Barfani Hospital Haridwar Intern-08, SNO-24, MBBS Student-190, Nursing Students-297 Nursing Officers-191, Residents JR-65
3.	June	427	Nursing Officers-312 MBBS (2017)-107 UG MBBS-08
4.	July	497	MBBS Students-205, Nursing Officers-195, Residents-57
5.	August	467	MBBS Students-122, Nursing Officers-272, Residents-33, Faculty -19, SNO-20, tutor-01
6.	September	479	Residents-75, MBBS (2017)-310, Lab Technicians-29, M.sc Nursing Students-03, Nursing Officer-62
7.	October	310	Residents-91, MBBS Students-118, MBBS (2017)-25, M.sc Nursing Student -32, Nursing Officer-43, SNO-01
8.	November	347	Residents-109, MBBS 2017 Batch-18, MBBS 2019 Batch-18, Nursing Officer-202
9.	December	293	B.sc Nursing student-76, Residents-61, Nursing Officer-156
10.	January	170	Residents-54, B.sc Nursing student-16, MBBS Interns-100
11.	February	155	Residents-31 M.sc Nursing student-02, B.sc Nursing student-122,
12.	March	202	Faculty-4, Residents-112, SNO-5, Tutor-4,Nursing Officers-34, M.sc Student-11, MBBS Students-32
01 April 2021 to 30 March 2022 Total No. Participants		4448	

Simulation Lab Utilization for Course Assessment Exam

S. No	Month	NO. Participants	Trainees	Departments
1	April	117	Residents(JR/SR)-10 MBBS Students-103, Mch& Ms-03, Mch PG-01	General Surgery General Medicine Anaesthesiology Ortho Burns & Plastic
2	June	18	Residents (JR/SR)-18	General Medicine Anaesthesiology Burns & Plastic Ortho

3	October	25	Residents (JR/SR)-25	Burn & Plastic Anaesthesia General Surgery General Medicine Ortho Anaesthesia Critical care
4	November	206	MBBS Students -206	General Medicine General Surgery
5	December	230	Residents (JR/SR)-28 MBBS Students-202	Emergency medicine Burn & Plastic Neuro Anaesthesia Anaesthesia Critical Care Ortho Spine Ortho Paediatric Ortho General Medicine General Surgery Anaesthesiology
6	February	104	B.sc Respiro therapist-02. MBBS (2018 Batch)-102	Pulmonary medicine
7	March	07	Residents (JR/SR)-02 MBBS Students-05	CCM Anesthesia
01 April 2021 to 30 March 2022 total no of participants		707		

BLS (Basic Life Support) & ACLS (Advanced Cardiac Life Support):

ACLS and BLS course of American Heart Association are being conducted by Advanced Center of Continuous Professional Development, AIIMS Rishikesh. Following ACLS / BLS workshops are conducted from **1 April 2021 to 31 March 2022.**

Sr. No.	Date	Workshops	Number and Participants
1.	06 -04-2021	Onsilte BLS Training for Doctors & Nurses posted at Kumbh Mela Haridwar	EMT-05 SNO-02 NO-4 Total Participants-11
2.	28 -06-2021	Basic Life Support AHA Certified	Nursing Officers 30
3.	29 -06-2021		Nursing Officers 30
4.	30 -06-2021		Nursing Officers 30
5.	12 -07-2021	Compression Only Life Support Provider	Nursing Interns-57
6.	14 -07-2021	Basic Life Support AHA Certified	Nursing Officers-24
7.	12 -07-2021	Compression Only Life Support Provider	Nursing Interns-57
8.	09 -08-2021	Basic Life Support AHA Certified	Nursing Officers-22
9.	01 -09-2021	Compression Only Life Support (COLS)	Security Guards-94
10.	02 -09-2021		Security Guards-103
11.	09 -09-2021		Hospital Attendants-110
12.	13 -09-2021	Basic Life Support AHA Certified	NO-29, SNO-01 Total Participants-30
13.	14 -09-2021	Basic Life Support AHA Certified	NO-25
14.	12 -10-2021		NO-30
15.	13 -10-2021		NO-34
16.	14 -10-2021		NO-55
17.	03-07 Jan. 2022	Basic Life Support AIIMS Certified	MBBS Interns-98
18.	04-03-2022	Basic Life Support Non Certified	B.sc Nursing First Year -25
19.	05-03-2022		B.sc Nursing First Year -25
20.	07-03-2022	Basic Life Support AIIMS Certified	B.sc Nursing First Year -25
21.	08-03-2022	Basic Life Support AHA Certified	B.sc Nursing First Year -25

Advanced trauma care for Nurse (ATCN) & Advanced trauma care for Nurse (ATCN):

Advanced Trauma Life Support and Advanced Trauma Care for Nurses program of American College of Surgeons are being conducted by Advanced Center of Continuous Professional Development, AIIMS Rishikesh.Following workshops are conducted from **1 April 2021 to 31 March 2022.**

Sr. No.	Date	Workshops	Number and Participants
1	22 To 24 July 2021	ATLS & ATCN	ATLS-16 (Faculty & Resident) ATCN-16 (Nursing Officers)
2	12-14 August 2021	Advanced trauma care for Nurse (ATCN)	Nursing Officers-16
3	26-28 August 2021	Advanced trauma Life Support ATLS	Residents-16
4	06- 08 Sept. 2021	Advanced trauma Life Support (ATLS)	JR-09 SR-07 Total-16
5	06- 08 Sept. 2021	Advanced trauma care for Nurse (ATCN)	PhD-01 S NO-02 NO-13 Total-16
6	23-25 Sept. 2021	Advanced trauma Life Support (ATLS)	JR-05, SR-10, PG Residents-01 Total PArtcipants-16
7	23-25 Sept. 2021	Advanced trauma care for Nurse (ATCN)	P.hd Scholar-02, No-14 Total Partcipants-16
8	09-11 January 2022	Advanced trauma Life Support (ATLS)	Residents-13
9	09-11 January 2022	Advanced trauma care for Nurse (ATCN)	Nursing Officers-15
10	24-26 March 2022	Advanced trauma Life Support (ATLS)	Residents(JR/SR)-16
11		Advanced trauma care for Nurse (ATCN)	Nursing Officer-15

Outside Training:

Sr. No.	Institute Name	Date	Workshops	Number and Participants
1.	Swami Vivekananda Charitable Hospital	19/01/ to 03/02/2021	Simulation Lab Utilization for Training: (BLS, Airway Trainer, Apollo Simulator, BLS Trainer, Rylse tube insertion Trainer, Catherization Trainer)	Nursing Staff-1 Pharmecy-1 Total-2
2.		21/02/ to 5/03/2021		Nursing Staff-4
3.		06/03 to 17/03/2021		Nursing Staff-2
4.		21/03 to 05/04/2021		Nursing Staff-3 pharmacist-1 Total-4
5.		08/04 to 22/04/2021		Nursing Staff-3
6.		18-05-2021		Student-8
7.		19-05-2021		Student-8
8.		20-02-2021		Student-8
		Total Participants		**39**

Capacity building: Instructor for various training and in workshops 2016 onwards and many instructors were trained for various skill-based courses.

Capacity building: Instructor for various training and in workshops

Faculty development workshop on Medical education technologies				
S.No	**Name**	**Designation**	**Department**	**Institute**
1.	Dr Latika Mohan	Professor	Physiology	AIIMS Rishikesh
2.	Dr Pratima Gupta	Professor	Microbiology	AIIMS Rishikesh
3.	Dr Vartika Saxena	Professor	Community & family Medicine	AIIMS Rishikesh
4.	Dr Shalinee Rao	Professor	Pathology	AIIMS Rishikesh
5.	Dr Gita Negi	Additional Professor	Transfusion Medicine	Outside
6.	Dr Farhanul Huda	Additional Professor	General Surgery	AIIMS Rishikesh
7.	Dr Neha Singh	Additional Professor	Pathology	AIIMS Rishikesh
8.	Dr Anupama Bahadur	Additional Professor	Obst & Gynaecology	AIIMS Rishikesh
9.	Dr Ashish Bhute	Assistant Professor	Forensic Medicine	AIIMS Rishikesh
10.	Dr. Manisha Naithani	Additional Professor	Biochemistry	AIIMS Rishikesh
11.	Dr Manisha Bisht	Additional Professor	Pharmacology	AIIMS Rishikesh
12.	Dr Poorvi Kulshreshtha	Associate Professor	Physiology	AIIMS Rishikesh
13.	Dr Rajesh Kathrotia	Associate Professor	Physiology	AIIMS Rishikesh

Research methodology, Biostatistics & Evidence Based Medicine				
S.No	**Name**	**Designation**	**Department**	**Institute**
1.	Dr Pratima Gupta	Professor	Microbiology	AIIMS Rishikesh
2.	Dr Shalinee Rao	Professor	Pathology	AIIMS Rishikesh
3.	Dr Vartika Saxena	Professor	Community & Family Medicine	AIIMS Rishikesh
4.	Dr Shailendra Handu	Professor	Pharmacology	AIIMS Rishikesh
5.	Dr Manisha Naithani	Additional Professor	Biochemistry	AIIMS Rishikesh
6.	Dr Nilotpal Chowdhury	Additional Professor	Pathology	AIIMS Rishikesh
7.	Dr Ravi Gupta	Additional Professor	Psychiatry	AIIMS Rishikesh
8.	Dr Puneet Dhamija	Additional Professor	Pharmacology	AIIMS Rishikesh
9.	Dr Ranjeeta Kumari	Additional Professor	Community & Family Medicine	AIIMS Rishikesh
10.	Dr Venkatesh Pai	Associate Professor	General Medicine	AIIMS Rishikesh
11.	Dr Mohit Bhatia	Assistant Professor	Microbiology	AIIMS Rishikesh
12.	Dr Ajeet Singh Bhadoria	Assistant Professor	Community & Family Medicine	AIIMS Rishikesh
13.	Dr Vikram Singh Rawat	Assistant Professor	Psychiatry	AIIMS Rishikesh
14.	Dr Yogesh Arvind Bahurupi	Assistant Professor	Community & Family Medicine	AIIMS Rishikesh
15.	Dr. Monika Pathania	Associate Professor	General Medicine	AIIMS Rishikesh
16.	Dr Anupama Bahadaur	Additional Professor	Obst. & Gynaecology	AIIMS Rishikesh
17.	Dr Suresh K Sharma	Professor	Nursing	AIIMS Rishikesh
18.	Dr Tarun Goyal	Associate Professor	Orthopaedics	AIIMS Rishikesh
19.	Dr Rajesh Kathrotia	Associate Professor	Physiology	AIIMS Rishikesh
20.	Dr Sai Krishna Tikka	Assistant Professor	Psychiatry	AIIMS Rishikesh

ACLS Instructor				
S.No	**Name**	**Designation**	**Department**	**Institute**
1.	Dr. Suresh K Sharma	Professor	Nursing	AIIMS Rishikesh
2.	Dr Sanjay Agarwal	Professor	Anesthesia	Outside
3.	Dr. Minakshi Dhar	Additional Professor	General Medicine	AIIMS Rishikesh
4.	Dr Gaurav Jain	Associate Professor	Anaesthesia	Outside
5.	Dr Bharat Bushan Bhardwaj	Assistant Professor	Trauma & Emergency	Outside
6.	Dr. Barun Kumar	Associate Professor	Cardiology	AIIMS Rishikesh
7.	Dr. Monika Pathania	Associate Professor	General Medicine	AIIMS Rishikesh
8.	Dr. Deepak Singla	Associate Professor	Anaesthesia	AIIMS Rishikesh
9.	Dr. Nishith Govil	Associate Professor	Anaesthesia	AIIMS Rishikesh
10.	Dr. Ankita Kabi	Assistant Professor	Anaesthesia	AIIMS Rishikesh

BLS Instructor				
S.No	**Name**	**Designation**	**Department**	**Institute**
1	Dr. Suresh K Sharma	Professor	Nursing	AIIMS Rishikesh
2	Dr. Minakshi Dhar	Additional Professor	General Medicine	AIIMS Rishikesh
4	Dr. Barun Kumar	Associate Professor	Cardiology	AIIMS Rishikesh
5	Dr. Vartika Saxena	Professor	Community & Family Medicine	AIIMS Rishikesh
6	Dr. Farhanul Huda	Additional Professor	General Surgery	AIIMS Rishikesh
8	Dr. Manisha Naithani	Additional Professor	Biochemistry	AIIMS Rishikesh
9	Mrs. Xavier Belsiyal	Assistant Professor	Nursing	AIIMS Rishikesh
10	Mr. Rajesh Kumar	Assistant Professor	Nursing	AIIMS Rishikesh
11	Dr. Ashi chug	Additional Professor	Dentistry	AIIMS Rishikesh
12	Dr. Shalinee Rao	Professor	Pathology	AIIMS Rishikesh
13	Dr. Monika Pathania	Associate Professor	General Medicine	AIIMS Rishikesh
14	Dr. Deepak Singla	Associate Professor	Anaesthesia	AIIMS Rishikesh
15	Dr. Ankita Kabi	Assistant Professor	Anaesthesia	AIIMS Rishikesh
16	Mr Arun Varghese	Nursing Tutor	Nursing	AIIMS Rishikesh
17	MrsVasanta Kalyani	Assistant Professor	Nursing	AIIMS Rishikesh
18	Dr Pradeep Aggarwal	Associate Professor	Community & Family Medicine	AIIMS Rishikesh
20	Rupinder Deol	Assistant Professor	Nursing	AIIMS Rishikesh
21	Malar Kodi S	Assistant Professor	Nursing	AIIMS Rishikesh
22	Mr Hemanth Kumar	Senior Nursing Officer	Nursing	AIIMS Rishikesh
23	Dr Rakesh Sharma	Assistant Professor	Nursing	AIIMS Rishikesh
24	Dr. Puneet Kumar Gupta	Assistant Professor	Microbiology	AIIMS Rishikesh
25	Dr. Nishith Govil	Associate Professor	Anaesthesia	AIIMS Rishikesh
26	Dr Aroop Mohanty	Senior Resident	Microbiology	AIIMS Rishikesh
	Dr Bharat Bhushan Bhardwaj	Assistant Professor	Emergency Medicine	AIIMS Rishikesh

Basic Airway Management Instructor				
S.No	**Name**	**Designation**	**Department**	**Institute**
1.	Dr Sanjay Agarwal	Professor	Anesthesia	Outside
2.	Dr Gaurav Jain	Associate Professor	Anaesthesiology	AIIMS Rishikesh
3.	Dr Deepak Singla	Associate Professor	Anaesthesiology	AIIMS Rishikesh
4.	Dr Amit Kumar Tyagi	Assistant Professor	ENT	AIIMS Rishikesh
5.	Dr Bharat Bhushan Bhardwaj	Assistant Professor	Trauma & Emergency	AIIMS Rishikesh
6.	Dr D K Tripathi	Additional Professor	Anaesthesia	AIIMS Rishikesh
7.	Dr Ankita Kabi	Assistant Professor	Emergency Medicine	AIIMS Rishikesh
8.	Dr Mridul Dhar	Assistant Professor	Anaesthesia	AIIMS Rishikesh
9.	Dr Poonam Arora	Assistant Professor	Emergency Medicine	AIIMS Rishikesh
10.	Mr Hemanth K	Senior Nursing Officer	Simulation Lab	AIIMS Rishikesh

Occupational Health Hazard and Vaccination Instructor				
S.No	**Name**	**Designation**	**Department**	**Institute**
1	Dr Manisha Naithani	Additional Professor	Biochemistry	AIIMS Rishikesh
2	Dr Vandana Kumar Dhingra	Associate Professor	Nuclear Medicine	AIIMS Rishikesh
3	Ms Meena Negi	Technical Assistant	Nuclear Medicine	AIIMS Rishikesh
4	Dr Vivek Singh	Assistant Professor	Orthopaedics	AIIMS Rishikesh
5	Dr MeenaxiKhapre	Assistant Professor	CFM	AIIMS Rishikesh
6	Dr Vikram Singh Rawat	Associate Professor	Psychiatry	AIIMS Rishikesh
7	Dr Smita Sinha	Associate Professor	Community & Family Medicine	AIIMS Rishikesh
8	Dr Bela Goyal	Assistant Professor	Biochemistry	AIIMS Rishikesh
9	Dr Puneet Kumar Gupta	Assistant Professor	Microbiology	AIIMS Rishikesh
10	Dr Tarun Goyal	Associate Professor	Orthopaedics	AIIMS Rishikesh

"Workshop on Medical Photography, Videography and Editing"				
S.No	**Name**	**Designation**	**Department**	**Instructor**
1	Dr Ashi Chug	Additional Professor	Dentistry	AIIMS Rishikesh
2	Dr Ashish Bhute	Assistant Professor	Forensic Medicine	AIIMS Rishikesh
3	Dr Ashok Singh	Assistant Professor	PAthology	AIIMS Rishikesh

Hand Hygiene and Biomedical Waste Management				
S.No	**Name**	**Designation**	**Department**	**Instructor**
1	Dr Amber Prasad	Assistant Professor	Microbiology	AIIMS Rishikesh
2	Dr Vanya	Senior Resident	Microbiology	AIIMS Rishikesh
3	Mrs Suman Choudhary	ICNO	Microbiology	AIIMS Rishikesh
4	Mr Mahesh K. sharma	ICNO	Microbiology	AIIMS Rishikesh
5	Mr Prince Chelvaraj N	ICNO	Microbiology	AIIMS Rishikesh
6	Mr Ashok K. Sharma	ICNO	Microbiology	AIIMS Rishikesh
7	Mrs Anita	ICNO	Microbiology	AIIMS Rishikesh
8	Mrs Pratiz	ICNO	Microbiology	AIIMS Rishikesh
9	Mrs Komal	ICNO	Microbiology	AIIMS Rishikesh

"Skill Enhancement for Effective Digital Presentation"				
S.No	**Name**	**Designation**	**Department**	**Instructor**
1	Dr Bina Ravi	Professor	General Surgery	Outside
2	Dr Pratima Gupta	Professor	Microbiology	AIIMS Rishikesh
3	Dr Shalinee Rao	Professor	Pathology	AIIMS Rishikesh
4	Dr Anupama Bahadur	Additional Professor	Obs. & Gynae	AIIMS Rishikesh
5	Dr Farhanul Huda	Additional Professor	General Surgery	AIIMS Rishikesh
6	Dr Neha Singh	Associate Professor	Pathology	AIIMS Rishikesh
7	Dr Ashi Chug	Additional Professor	Dentistry	AIIMS Rishikesh
8	Dr Manisha Bisht	Additional Professor	Pharmacology	AIIMS Rishikesh
9	Dr Venkatesh S Pai	Associate Professor	General Medicine	AIIMS Rishikesh
10	Dr Prashant Pranesh Joshi	Assistant Professor	Pathology	AIIMS Rishikesh
11	Dr Tarun Goyal	Associate Professor	Orthopaedics	AIIMS Rishikesh
12	Dr Rajesh Kathrotia	Associate Professor	Physiology	AIIMS Rishikesh

"Acid Base, Fluid and Electrolyte Imbalance and its Management"				
S.No	**Name**	**Designation**	**Department**	**Instructor**
1	Dr D K Tripathy	Additional Professor	Anesthesia	AIIMS Rishikesh
2	Dr Bharat Bhushan Bhardwaj	Assistant Professor	Trauma & Emergency	AIIMS Rishikesh
3	Dr Minakshi Dhar	Associate Professor	General Medicine	AIIMS Rishikesh
4	Dr P K Panda	Assistant Professor	General Medicine	AIIMS Rishikesh
5	Dr Nidhi Kaeley	Assistant Professor	Trauma & Emergency	AIIMS Rishikesh
6	Dr. Monika Pathania	Associate Professor	General Medicine	AIIMS Rishikesh
7	Dr Y. S. Payal	Additional Professor	Anesthesia	AIIMS Rishikesh
8	Dr Sanjay Agrawal	Professor	Anesthesia	AIIMS Rishikesh
9	Dr Ravi Kant	Associate Professor	General Medicine	AIIMS Rishikesh

"Simulation Workshop on Basics of Ultrasound & Echocardiography"				
S.No	**Name**	**Designation**	**Department**	**Instructor**
1	Dr Ajay Kumar	Associate Professor	Anesthesia	AIIMS Rishikesh
2	Dr Mayank Mishra	Additional Professor	Pulmonary Medicine	AIIMS Rishikesh
3	Dr Ajit Kumar	Associate Professor	Anesthesia	AIIMS Rishikesh
4	Dr Udit Chauhan	Assistant Professor	Radio-diagnosis	AIIMS Rishikesh
5	Dr. Yash Shrivastava	Assistant Professor	Cardiology	AIIMS Rishikesh
6	Mr Hemanth K	Senior Nursing Officer	Simulation Lab	AIIMS Rishikesh
7	Dr Ummed Singh	Assistant Professor	Anesthesia	AIIMS Rishikesh

" Workshop on Assessment: Objective structured Clinical and Practical Examination (OSCE/OSPE)"				
S.No	**Name**	**Designation**	**Department**	**Instructor**
1	Dr Pratima Gupta	Professor	Microbiology	AIIMS Rishikesh
2	Dr Gita Negi	Additional Professor	Transfusion Medicine	AIIMS Rishikesh
3	Dr Manisha Bisht	Additional Professor	Pharmacology	AIIMS Rishikesh
4	Dr Anupama Bahadur	Additional Professor	Obs& Gynaecology	AIIMS Rishikesh
5	Dr Ashi Chug	Additional Professor	Dentistry	AIIMS Rishikesh
6	Dr PoorviKulshreshtha	Associate Professor	Physiology	AIIMS Rishikesh
7	Dr Shalinee Rao	Professor	Pathology	AIIMS Rishikesh
8	Dr Farhanul Huda	Additional Professor	General Surgery	AIIMS Rishikesh

" Workshop on Objective Assessment: Clinical vignette / Multiple Choice Questions "				
S.No	**Name**	**Designation**	**Department**	**Instructor**
1	Dr Gita Negi	Additional Professor	Transfusion Medicine	AIIMS Rishikesh
2	Dr Manisha Bisht	Additional Professor	Pharmacology	AIIMS Rishikesh
3	Dr Anupama Bahadur	Additional Professor	Obs& Gynaecology	AIIMS Rishikesh
4	Dr Ashish Bhute	Assistant Professor	Forensic Medicine	AIIMS Rishikesh
5	Dr Shalinee Rao	Professor	Pathology	AIIMS Rishikesh
6	Dr Pratima Gupta	Professor	Microbiology	AIIMS Rishikesh

Updation on newly planned activities of Department of Medical education

a) Department has established a high end Simulation Lab to promote student-centric education and development of hard and soft skills in an Indian Medical graduate and provide various skill training for faculty, residents and nurses.

b) Initiated steps for establishing AIIMS Rishikesh as a Centre for training in Advanced Trauma Life Support imparting training in Advanced Trauma & Life Support.

Additional activities

a) Department has started using Audience response system, a paperless method for assessment during few training programs.

b) Department initiative also included capacity building and this has resulted in producing many Resource faculty and Instructors.

Future plans

a) Establish Institute of Skills to promote student-centric education and development of hard and soft skills in an Indian Medical graduate.

b) Tele-medicine set up for patient care and training

c) Training of faculty from other Medical Colleges in Medical Education technologies, Evidence Based Medicine and Soft skills.

d) Training of general public in Basic Life Support.

e) To commence Masters degree in Medical Education for fostering scholarly activities in academicians / educators and provide guidance to enable faculty to advance their scholarly careers in medical/dental/allied education.

f) To collaborate with other Institutes of Excellence/ Universities for exchange of teaching/learning ideas and capacity building.



DEPARTMENT OF CARDIOLOGY

8.6 CARDIOLOGY

Best and up-to date knowledge based practices for achieving best possible patient outcomes. Dedicated patient care to the poor & needy.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Bhanu Duggal	Professor & HOD
2	Dr. Barun Kumar	Associate Professor

I) Departmental activities:

1. Academic

- Regular UG Classes
- Post Covid-Regular online lecture.
- b. Post graduate (Medical /Nursing/Other)
- Journal Club Once w
- Cath Conference.

2. OPD Services: 11,461

3. IPD Services: 1,067

4. Diagnostic Services

- Echo- 7357
- FetalEcho-62
- Holter-110
- TMT-134

5. Major/Minor OT Services

Minor - Day Care CAG
- TPI

6. Major-

CAG-802
PTCA-473
ASD/VSD/PDA-26
BMV/BPV-27
TPI-129
PPI-75
OCT/IVUS/FFR-16
TAVI-01

7. Future plan

Increase the numbers of Faculty Seats.

II) Faculty activities:

Dr. Bhanu Duggal
Professor & HoD

1. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson / panellist / Quiz Master)

a) Atul Kashyap, B. Duggal (2021). Abstract: The interplay of CircRNA-miRNA-mRNA in coronary artery disease: An in silico approach, Frontiers in Physiology (Vascular Physiology); ISHR 2021 36th annual meeting of the international society for heart research European section.

b) B. Duggal, SVN. Prasad, M. Gupta, A. Kashyap (2021). Abstract: Circulating microRNA hsa-let-7g-5p as a potential biomarker for coronary artery disease in Indian population, Accepted for publication in European Heart Journal ESC Asia abstract supplement.

International Conference abstracts

a) ESC congress 2021: A randomized controlled

b) Double Trouble in a patient

DEPARTMENT OF COMMUNITY & FAMILY MEDICINE















8.7 COMMUNITY & FAMILY MEDICINE

Department of Community and Family Medicine, since its inception in 2012, has strived to disseminate excellence in teaching, research, health care, mass awareness and public health activities beyond our institute's perimeter by collaborating with international, national, regional stakeholders. Year 2021-22 saw consolidation of department's effort in all aspects specially in COVID -19 activities from screening to vaccination, starting of Yellow Fever Vaccination Centre and resuming Family Medicine OPD.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Vartika Saxena	Professor
2	Dr. Ranjeeta Kumari	Additional Professor
3	Dr. Pradeep Aggarwal	Associate Professor
4	Dr. Santosh Kumar	Associate Professor
5	Dr. Smita Sinha	Associate Professor
6	Dr. Meenakshi Khapre	Associate Professor
7	Dr. Mahendra Singh	Associate Professor
8	Dr. Ajeet Singh Bhadoria	Associate Professor
9	Dr. Yogesh Arvind Bahurupi	Associate Professor

I) Departmental activities:

1. Academic

a) Undergraduate

- Department of Community and Family medicine conducts teaching and training of medical students pursuing MBBS course from first to 7th semester. During the last year, teaching was mainly conducted through online classes for MBBS students due to the ongoing COVID 19 pandemic. Later, during the phase of unlock, offline classes were also conducted for students to make up for their exposure to family study and other practical aspects of Community Medicine.
- Formative assessment of students during clinical postings was carried out on a day-to-day basis as well as at the end of respective clinical postings of each batch. End semester assessment of 2018 batch was conducted at the end of 6th semester in December 2021, which consisted of theory as well as practical examination. The Department also conducted a pre professional examination in January 2022 and third professional examination for the 2018 batch in February 2022.
- Creating academic opportunity for undergraduate and post graduate and ensuring their participation in research projects and short term studentship projects of ICMR

b) Postgraduate

MD (Community & Family Medicine) curriculum is being regularly updated keeping in view the changing scenario of public health in India and Globally. Newer topics and recent advances are introduced to meet the curricular objectives. Posting of PG students is community centric to make it more relevant to Public Health. The postgraduate student's progress was monitored regularly through the logbook and feedback forms (PICE) regarding the various PGs activities and End-month assessments.

c) MPH

There were 32 MPH students in the department during this period. Out of these 13 have pass out in Jan 2022 and 10 new students have joined in 2022. MPH students are being provided training with an active learning approach via enriching field experiences, student - directed learning and problem-based learning. Students were actively involved in quarantine and screening OPD and vaccination centre activity during this year. Family adoption programme is being started since this year. Health

promotion activities during each health days are being planned and conducted actively by MPH students. Field visits are being conducted for various health programme related organisations like NHM, ISRO etc. Student were involved in evaluation of UPHC in Uttarakhand.

Students were involved in IAPSM meeting on Nutrition in AIIMS Rishikesh.

2. OPD Services:

a) COVID 19 Screening OPD

COVID screening OPD was started since the beginning of COVID -19 pandemic. Dr. Yogesh Bahurupi I/C COVID Screening OPD was involved in setting up of OPD.

More than 87,000 patients attended COVID screening OPD since inception.

b) Following activities were carried out in COVID Screening OPD

- Screening for COVID suspect and sampling of COVID-19
- Assessing high and low risk exposures
- Isolation and quarantine of patients
- Home isolation for COVID positive cases and
- Establishing referral mechanisms with other departments

c) COVID 19 Vaccination Centre

Started at AIIMS Rishikesh on 16.01.2021 at Ayush Budling. Currently this center providing First dose, second dose & precaution dose of COVID-19 vaccine to eligible population.

Till 31.03.2022 total 67771 doses were administered including 31994 first dose, 33146 second dose and 2631 precaution dose.

d) Telemedicine OPD:

- Virtual OPD restarted at the start of second wave of COVID 19 pandemic. We decentralised of telemedicine OPD to individual departments
- De-centralization of telemedicine OPD to individual departments.
- Virtual OPD Consultations (1st April 2021 to 31st March 2022) = 6870
- AIIMS Rishikesh is supporting Government of Uttarakhand for tele-consultation through e-Sanjeevani OPD

Yellow Fever Vaccination Clinic was inaugurated on 08th October'2021 by Professor Arvind Rajwanshi, Director AIIMS. During the program Prof Manoj Gupta, Dean Academic, Prof. Vartika Saxena HOD, CFM, Dr. Ashwani Kumar Dalal Medical Superintendent, Dr. Smita Sinha Faculty In-charge (YVFC), representative of NHM- Uttarakhand, Dr. Kuldeep Martolia (State Immunization Officer), and Dr. Ashutosh Bharadwaj (Assistant Director- IT Health) were also present for the inauguration. Establishing this center would save money and time for international travellers going from Uttarakhand to yellow fever endemic countries. This clinic is being run on Thursdays from 10 AM – 1 PM. Till 31st March, 100 beneficiaries have been vaccinated against Yellow Fever at this clinic.

- Community Clinics: A new initiative to deliver health care to community has been undertaken by Department by establishing Community Clinics at health centres. These clinics comprises of Preventive Pediatric Clinic, Maternal Care Clinic, Wellness Clinic, NCD Clinics, NAFLD Clinics. These clinics not only help in early diagnosis of the diseases but also provide specialist care at primary health care level.

3. IPD Services

a) PHC Thano /Centre for Rural Health AIIMS (CRHA) Thano

b) Primary Health Centre, Thano under Raipur Block of District Dehradun have been attached to Department of Community and Family Medicine, AIIMS Rishikesh. Following activities are conducted at PHC Thano: OPD services, MCH and family welfare services, implementation of National Health Programmes, School Health Services, Research Activities, collection and compilation of vital statistics, health education in the community, training of Interns, referral services, and activities related to COVID-19 – Testing and Vaccination.

c) Apart from OPD services, trauma care was also provided to the patients providing first-aid care including application of stitches, wound management etc. PHC,

Thano was awarded with Commendation Award under "Kayakalp Scheme" for the year 2021-22 and was awarded with Prize money of Fifty Thousand Rupees (Rs 50,000) only. Various health days and health education activities are being regularly organized at the centre and in nearby schools to increase awareness in the community for betterment of their health.

d) PHC Raiwala / Centre for Rural Health AIIMS (CRHA) Raiwala

e) To make healthcare facilities accessible in remote areas, AIIMS Rishikesh has established Centre for Rural Health in Raiwala which comes under Doiwala block of district Dehradun. CRHA / PHC Raiwala is providing various services such as OPD, IPD, Special OPD (Dermatology), Preventive OPD for maternal, paediatrics and non-communicable disease, Emergency service, Minor-OT, Antenatal and postnatal care, Routine immunization of children, Td immunization of antenatal mother, Vitamin A prophylaxis, IFA and Calcium distribution, Prevention and management of childhood infections, Family welfare, IEC and treatment of RTI / STI, Yoga Therapy, Lab and diagnostics and Referral services.

f) PHC Raiwala is also providing other services such as monitoring and supervision of activities of Subcentres, school health services, teaching and training of interns, ASHA and ANM, ensuring the safe water and sanitation to the community, record of vital events including birth and death rates, CDR, MDR, implementation of various National Health Programs, COVID-19 Vaccination service.

g) Apart from healthcare services, to make aware the whole community of Raiwala about promotion of health, prevention and cure of many communicable and non-communicable diseases, various health days were observed in year 2021-2022 such as World Health Day, World Hypertension day, World Population Day, World Hepatitis Day, World ORS Day, Breast Feeding week, National Nutrition Week, World Anti-Obesity Day, World Rabies Day, World Heart Day, World Mental health Day, World Iodine deficiency Day, World AIDS Day, World Leprosy Day, World Cancer Day, National Deworming Day, World Obesity Day and World TB Day.

h) UPHC (Shantinagar and Adarshgram Rishikesh)

i) Urban Health Centers caters population of 50,200 and 53,120 at Shantinagar and Adarshgram respectively i.e. 12 Urban wards & 17 AWCs.

j) These UPHC provides regular OPD Services, routine immunization and RCH services along with laboratory services for Hb, ESR, routine urine and microscopy etc.

k) Along with preventive promotive services for Communicable and Non Communicable Diseases outreach health specialist camps have been organized in addition to speciality clinics thrice a week.

4. Health awareness/ educational activities organized by department

a) World Hypertension Day 17 May, 2021

Department of Community & Family Medicine, AIIMS Rishikesh observed "World Hypertension Day" on 17 May 2021 with the theme "Measure Your Blood Pressure, Control It, Live Longer".

Following activities were undertaken on the occasion of World Hypertension Day, 17 May 2021, under the guidance of Dr. Vartika Saxena (Prof. &HoD, Department of Community & Family Medicine), Dr.Ranjeeta Kumari (Additional Professor & Nodal Officer for Organization of World hypertension day), Dr.Mahendra Singh (Incharge, PHC Raiwala) and Dr. Yogesh Bahurupi (Incharge, PHC, Thano)

Activities: People at Raiwala and Thano were sensitized regarding the prevention and control of Hypertension. Health Talk was given and an awareness session was organized for patients, health workers (ANM, AWW, ASHA), and staff by senior residents at both the PHCs. The blood pressure of people attending the sensitization program was also measured in line with the theme of World hypertension day, 2021. From May 10 to May 17, 2021, pamphlets on hypertension prevention and control were handed to patients attending OPD at PHC Raiwala as well as Raiwala residents.On the occasion of COVID-19 awareness program, organized by the Indian Army on 15 May 2021, along with health talk on COVID awareness and vaccination against COVID-19,

pamphlets regarding prevention and control of hypertension were also distributed to the people of Raiwala to emphasize the importance of Blood pressure control in the management of COVID complications.

b) World Population Day Celebration 11th July 2021

The Department of Community & Family Medicine had celebrated World Population Day at PHC Thano on 10th July 2021 theme was "Rights and choices are the answer: Whether baby boom or bust, the solution to shifting fertility rates lies in prioritizing the reproductive health and rights of all people". On 10th of July health talk regarding measures to control population was given and awareness session was organised for patients, health workers (ANM, AWW, ASHA) and staff. All the participants were also taught about importance of celebration of World Population Day, its theme, effects of increase in population and why it is important to control population. At the end, Question - Answer session was held.

c) World Breastfeeding Week 2021

World Breastfeeding Week was observed every year by the Dept. of Community and Family Medicine theme for this year was "Protect breastfeeding: a shared responsibility." That focuses to raise awareness and galvanize actions of breastfeeding in the community

Various activities over a weeklong celebration were held at hospital, health centres & community level to assess the current practices and raise awareness about benefits of breast feeding by role paly.

Motivational Health Talks and educational competition among medical students was organized, Breast feeding practicing among lactating mothers was also assessed and a seminar on role of public health specialist in breast feeding was organized along with poster competition.

d) World AIDS Day 2021

World AIDS Day 2021 was organized on 1st December 2021 with theme of "End Inequalities. End AIDS" Activity:

Health Talk was organized for generation of awareness among school students in Narpal Singh Intercollege, Thano the talk introduced AIDS, how it affects human immune system & why this day is celebrated every year.

Moreover, it was emphasized how transmission of AIDS can be stopped, need for removal of stigma associated with the disease in the society and treatment and services available for people living with HIV/AIDS and how they can avail it.

Queries which were asked viz. "Can the disease be transmitted by bite of mosquito?", "Can disease be transmitted by sharing of alum cubes which are commonly used in Barbar shop?" were deliberated upon and myths were removed.

e) World Obesity Day, 4th March 2022

World Obesity Day was observed on 4th and 5th March, 2022 with theme "Everybody needs to Act".

Activities: Health talks about causes, impact and prevention and management of obesity were conducted at PHC Raiwala and PHC Thano. Suggestions on how to improve lifestyle and food habits to prevent obesity were also given. Also, interactive health talks were given at government schools in Raiwala and Thano to discussed about the causes and effects of obesity and what measures can be taken to prevent it by adopting healthier food options, doing physical exercise every day and managing stress these talks were followed by a small yoga and meditation session to sensitize students regarding management of their stress.

At departmental level presentation was given by post graduate residents to raise awareness about the root causes of obesity, risk factors associated with it and weight stigma faced by people living with obesity with a discussion on various aspects of prevention and management of obesity on an individual level.

Moreover, a debate competition was also organized in which 04 pairs of students were given 4 different topics to speak on "for the motion" and "against the motion" - Is BMI a valid scale for measuring obesity?; Is sugar consumption all bad?; Is obesity a real problem for developing

countries?; Is the stress in people living with obesity or is it the obesity in itself that causes health problems associated with obesity?

Yoga session hosted by yoga instructors consisted of asanas and pranayamas helpful in reducing abdominal fat and stress levels.

5. CME/ workshop/ conference/training organized by department (1st April 2021 to 31st March 2022)

a) Organized SERB sponsored high end workshop on Regression Modelling for health research using IBM SPSS Statistics from 20/09/2021- 26/09/2021

b) Certificate Course in Essential of palliative care Part A for Doctors & Nurses organized in month of July 2022,Jan 2022

c) Certificate Course in Essential of palliative care Part B organized in month of Dec. 2021 & March 2022.

d) "Organise Community samwad "**समस्या एवं समाधान** for covid-19 awreness with laadli foundation on 26 April 2021

e) Organise Community Samwad regarding COVID-19 pandemic in presence of Hon'ble member of Rajyasabha 9 May 2021

f) Organise Community Samwad for COVID-19 pandemic Questions and Answers with IIT Roorkee under unnat Bharat Abhiyan on 23 May 2021

g) Organise a National webinar on wealth creation through personal financial management at AIIMS Rishikesh on 13 April 2021.

h) Established tele-communication platform for youth under COVID-19 Community Task force on 26 April 2021

i) Established "Yuwa Josh Programe" for Youth wellness in June 2021

j) Conducted "Youth and wellness programme" in Jaanki Devi Memorial college Delhi university 25 June 2021

k) Organise a Post Covid-wellness Programe with IIT Roorkee under Unnat Bharat Abhiyan on July 2021

l) Organised a session for health and wellness among school students of THDC Rishikesh on 25 October 2021.

m) Organised Capacity building Programe for "Health functionaries working at UPHC" on November 2021.

n) Organised World antibiotics Awareness week in slum community of chandresware Nagar November 2021

o) Organized Capacity Building workshop on Management of Viral Hepatitis for Primary Care Physicians on National Viral Hepatitis Control Program (NVHCP) from 13 Districts of Uttarakhand State, 17-19 Aug 2021

p) Organized Capacity Building workshop on Management of Viral Hepatitis for Lab Technicians on National Viral Hepatitis Control Program (NVHCP) from 13 Districts of Uttarakhand State, 17 Sept- 1 Oct 2021

6. New initiative of department

a) Established Yellow Fever Vaccination Centre

b) Established Community clinic at Health Centres

c) MoU between Nodal officer Outreach cell Dr Santosh with SEWA THDC for Doorstep Primary Health Care on 7th July 2021.

d) Established UPHC shanti Nagar & UPHC Adarsh Gram under NHM Uttrakahnd on 1st March 2021.

e) Initiated Community wellness Programe in slum Rishikesh November 2021

f) Initiated Seven Plus initiatives for Dengue Prevention for Dengue prevention on 11 August 2021.

g) Launched "UDAAN" Outreach Telehealth Consultation programme on September 2021 with IIT Roorkee under flagship programme with Unnat Bharat Abhiyaan.

7. Other activities / achievement by Department

Mind body medicine Collaborative Project with CCRYN

II) Faculty activities:

Dr. Vartika Saxena
Professor& HOD

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Panel expert on "Post-Covid Wellness: Emerging Challenges, Public Health Concerns & Solution" organized by Social Outreach cell in collaboration with Rotary Rishikesh Central on 21st April, 2022 at AIIMS Rishikesh (media coverage by Doordarshan).

b) Organizer of CME on World Health Day on theme "Our planet: our health" on 17th April, 2022 at AIIMS Rishikesh.

c) Participated in Panel Discussion on Recent Trends in Geospatial Technology for Environment and Health: Opportunities for Capacity Building and Research at IIRS Academia Meet – 2022, Indian Institute of Remote Sensing, Indian Space Research Organisation, Department of Space, Govt. of India, Dehradun on March 25, 2022.

d) Chaired the session on "SURVEYS AND EPIDEMIOLOGICAL STUDIES OF NATIONAL IMPORTANCE" in the "24th Conference of Indian Association of Preventive and Social Medicine UP-UK Chapter" held on February 19-20, 2022, organized by Department of Community Medicine, Government Doon Medical College, Dehradun.

e) Honorary Guest Faculty at the CCRYN-Collaborative Centre for Mind Body Intervention through Yoga at PGIMER, Chandigarh 18 January 2022.

f) Chairperson in 10th Annual conference of Association of Physiologists & Pharmacologists of India (10th Annual UP-UK APPICON 2021) on "Innovative technologies for clinical applications"; 12-13 November 2021, organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand, India.

g) Resource faculty for Research Methodology workshop at College of Nursing, AIIMS Rishikesh, 11-13 November 2021.

h) Lead organizer of vertical 'Remote and Rural Health', participated as speaker and panelist (2-31st October) for different sub-verticals (Nutrition, Telemedicine, AYUSH).

I) Organizing committee member for Hindi Saptah on 14-21 September 2021.

j) Speaker in Conference on Holistic Therapy for Well Being - An Interdisciplinary Approach; 26 September 2021, organized by Unnathi Healing Foundation, Bengaluru. Topic – Achieving synergy between modern medicine and AYUSH.

k) Organizing Chairperson for SERB sponsored High End Workshop on 'Regression Modelling for Health Research Using IBM SPSS Statistics' under Accelerate Vigyan Scheme (20-26 September 2021) organized by Department of Community and Family Medicine, AIIMS Rishikesh.

l) Key note address in webinar on Health Workers for Next Generation (Grassroots COVID-19 Experiences) on occasion of Foundation Day of Rural Development Institute, Himalayan Institute Hospital Trust, 20th September 2021.

m) Resource person for online questionnaire session on "Mental stress & health" organized by National Institute of Technology Uttarakhand on 17th September 2021.

n) Delivered address on Community Perspective at 2nd VIA Training program for Staff Nurses of Uttarakhand Government (14-23 September 2021), at AIIMS Rishikesh

o) Online guest lecture on Holistic Approach to Obesity Management, organized by IDP-NAHEP & College of Home Science on 24th April 2021.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) World Congress of Epidemiology (WCE-2021); 3-6 September 2021, organized by the International Association of Epidemiology (IEA) and Australasian Epidemiological Association (AEA), Melbourne, Australia.

b) Co-authored paper presentation – Effect of yoga therapy on health of women with polycystic ovary syndrome: systematic-review and meta-analysis.

c) Verma A, Upadhyay V, Saxena V. 1387 Effect of yoga therapy on health of women with polycystic ovary syndrome: systematic-review and meta-analysis. International Journal of Epidemiology, Volume 50, Issue Supplement_1, September 2021, dyab168.683, https://doi.org/10.1093/ije/dyab168.683 (Abstract Published).

3. Awards & honours received

a) Awarded certificate of excellence for outstanding work and significant contribution in creating awareness and sensitization at community during COVID-19 pandemic as a member of COVID-19 Community Task Force, 21st April 2022, by Social Outreach Cell, AIIMS Rishikesh, Uttarakhand, India

b) Awarded "Shri Siddhi Nath Awasthi Memorial Award" for Outstanding Gem of any batch who has done exceptional work in rural areas for community welfare and health by GEMS Association on 26th December 2021 at GSVM Medical College, Kanpur, Uttar Pradesh, India. (XXXVI GEMS Association Meet, GEMSCON PARA K-1/L1)

c) 'Distinguished Researcher in Public Health' award under the Health and Medical Sciences Discipline, 7th Venus International Science and Technology Awards – VISTA 2021 (F.No. VIF / CFN / STA / 2021)

Dr. Ranjeeta Kumari
Additional Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Regression modelling for health research using IBM SPSS statistics, 21 -27 September, 2021

b) National ToT on Maternal Perinatal and Child Death Surveillance Response Software (CDR Component) 29-30 Oct, 2021

c) State level dissemination workshop for State programme managers 7-8 September 2021

2. Participated in InternationalCME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Reviewer of book "Novel Corona Virus (COVID-19): Past, Present and Future"

Dr. Pradeep Aggarwal
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Webinar

Participated in the two daty National Webinar on "Attainment of Quality Benchmark in Medical Education: Responsibilities of a Health Institution" organized by IQAC, KGMU in collaboration with ECHO India on 03-04 December 2021.

Advancing Tobacco control at National and sub-National level through capacity building MPOWER implementation and support to National Tobacco control Programme (NTCP) in collaboration with International Union Against Tuberculosis and Lung Disease, New Delhi, held on 20th August 2021

Trainings

Certificate course of completion in "Faculty Development Workshop on Medical Education Technologies" held at AIIMS Rishikesh from 30 August to 04 September 2021.

Resource Person

a) Participated as Resource Person in National CME on "Invest to end TB: Save Lives" on 26.03.2022 through online mode by Zoom Meet. Topic is Sub National Certification-TB free claims at state level (Uttarakhand).

b) Participated as Resource Person in Virtual workshop "Advancing Tobacco Control by Academic and Research Institutions of India" during 49th Annual National Conference of IAPSM on 06 March 2022.

c) Participated as Resource Faculty in the National Consultation/Deliberation on Front of Package Labelling (FOPL) jointly organized by AIIMS Rishikesh & NAMS new Delhi on 25.02.2022.

d) Participated as Resource Faculty in 02 days capacity building of Rapid Response Teams on Basic Epidemiology, outbreak Investigations and Public Health Emergency Management, FIMS, CEMT/CERT from 21-24 February 2022 organized by AIIMS Rishikesh.

e) Participate as Resource Person in "IAPSM UP-UKCON 2021 24th conference of Indian Association of Preventive and Social medicine UP-UK Chapter" (Virtual) held on February 19-20, 2022 organized by Department of Community Medicine Government Doon Medical College, Dehradun.

f) Participated as Resource Faculty "National Workshop on need of effective front of package label (GOPL) to reduce burden of NCD in India" organized by AIIMS Rishikesh held on 10 September 2021.

g) Participation as Resource Person in "3x3 Basic Epidemiology Training Programme" conduct the duration of July to September 2021 organized by National Centre for Disease Control.

Chairperson

Participate as Chaired the Poster Competition "IAPSM UP-UKCON 2021 24th conference of Indian Association of Preventive and Social medicine UP-UK Chapter" (Virtual) held on February 19-20, 2022 organized by Department of Community Medicine Government Doon Medical College, Dehradun.

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Conferences

a) Participated as Session Chair "TAU – International Conference on medical and Allied Sciences held at Texila American University from 3rd-4th March 2022

3. Awards/Honour received

a) Certificate of Appreciation ECHO TB Clinic Resource Faculty in STC Uttarakhand Difficult to Treat TB Clinic held on 31 Jan 2022 the topic "Report Dissemination (DT3C)" conducted by State TB Cell, Dehradun, Uttarakhand.

b) Certificate of Appreciation "Young Public Health Professional" 1st Annual Conference of IAPSM HP Chapter on 29th to 30th September 2021, Shimla

c) Certificate of Appreciation TB Free Workplaces organized by Uttarakhand State Task Force Under National TB Elimination Programm (NTEP), on 12 June 2021

d) Presidential Award of Indian Association of Preventive and Social Medicine 2022.

e) Certificate of Appreciation 2021 awarded by AIIMS Rishikesh on National Doctor's Day 2021 for dedication, passion and hard work.

Dr Santosh Kumar
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) "Corona se Daro Na" telecommunication programme 4th May 2021

b) As a Guest speaker /resource person in a Live session with Divyahimgiri and Uttrakhand technical university inaugurated by Vice chancellor Devsuman university 26 April 2021.

c) Invited as a Guest Speaker on "Namogange Trust " to speak over Health &Welness

d) Invited as a Guest Speaker and resource person to conduct Health & wellness programme in Graphic Era University.

e) Invited as a Nodal person to share experiences on Unnat Bharat Activities in Adopted villages under AIIMS Rishikesh.

f) Invited as a Panellist in Tech4Seva: Technology Outreach an Enabler for inclusive, sustainable and affordable healthcare by PGMIR on Topic "Community Health Need and Resources on 23 October 2021.

g) Invited as a Guest Speaker on "World Soil Day" by IIM Shirmour to speak over "Primary health care at Rural Uttrakhand.

h) Invited as a Guest Speaker on Post COVID-wellness by Ayush Ministry Govt of India which was inaugurated by Director general Ayush. On 21st December 2021

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Oral presentation in World Conference of Family Doctor 22nd -27th November 2021

in Dubai Title "Integrated community health service model (ICHSM): An emerging concept for rural health and primary care in remote Uttarakhand"

3. Awards & honours received

Certificate of Appreciation by Ministry of Education Govt.of India under Unnat Bharat Abhiyan for creating community awareness for COVID-19 pandemic.

Dr. Smita Sinha
Associate Professor

1. Participated in NationalCME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource person in Training program on Visual Inspection by Acetic acid for early detection of cervical cancer at AIIMS Rishikesh

b) Resource person in NSSK training program for medical officers of Uttarakhand at AIIMS Rishikesh

c) Resource person in Occupational hazard training of nursing and allied staff at AIIMS Rishikesh

d) Resource person for 16 weeks 2nd Research Methodology Course for Postgraduates at AIIMS Rishikesh, May - June 2021

e) Resource Person for 16 weeks 3rd Research Methodology Course for Postgraduates at AIIMS Rishikesh, Nov Dec 2021

Dr Meenakshi Khapre
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Training attended:

a) Qualitative research technique by OSSRC - July 2021 - Aug 2021

b) Maternal death review training in 30 Nov-2021

Dr. Mahendra Singh
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Participated in National Workshop on" Need of effective Front of Package label (FOPL) to reduce burden of NCD in India" as a Resource faculty, organised by All India Institute of Medical Sciences Rishikesh

b) Participated in 65th Annual National Conference of Indian Public Health Association - IPHACON 2021

c) Participated in Sensitisation Workshop on International Statistical Classification Of Diseases and Related Health Problems (ICD-10)

d) Participated in National e-poster competition during the 2nd Annual National Conference of Epidemiology Foundation of India organised by Community and Family Medicine and School of public health

e) Participated in Open Discussions and Presentations" scientific session in a webinar on "World No Tobacco Day 2021-Commit to Quit"

f) Participated in National Webinar on Addressing Diabetes Mellitus through Front of Package Food Labelling (FOPL) in India. Jointly organised by All India Institute Of Medical Sciences Jodhpur and AIIMS Rishikesh

g) Resource Faculty 2 days Capacity Building of Rapid Response Teams on Basic Epidemiology, outbreak Investigations and Public Health Emergency Management

h) Resource Person :EFICON 2021 2nd Annual National Conference of Epidemiology Foundation of India 29-30 October, 2021

i) Resource faculty" for the National IAPSM Quiz competition on Tuberculosis 2022, to be held virtually in March 2022.

2. Awards & honours received

Certificate of Appreciation" on National Doctor's Day, 1 July 2021" by AIIMS Rishikesh

Dr Ajeet Singh Bhadoria
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource Person- World Liver Day organized by College of Nursing, AIIMS Rishikesh, Apr 19, 2021

b) Course Coordinator for 16 weeks 2nd Research Methodology Course for Postgraduates at AIIMS Rishikesh, May - June 2021

c) Course Coordinator for 16 weeks 3rd Research Methodology Course for Postgraduates at AIIMS Rishikesh, Nov Dec 2021

d) Master Trainer with National Health Systems Resource Centre (NHSRC) for Induction training as well as training of Community Health Officers (CHO) for different modules under Comprehensive Primary Health Care (CPHC)

e) Resorce Person- 2nd Annual National Conference of Epidemiology Foundation of India, Oct 29-30, 2021

f) Resource Person- in Research Methodology Workshop organized by College of Nursing, AIIMS Rishikesh, Nov 11-13, 2021

g) Chair Person for a session in Care of Cardio-Diabetic Disorders in Co-morbid Conditions, Nov 25-26, 2021

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Contributed as a Guideline Development Group (GDG) member from India in WHO HQs guidelines on guidance for Hepatitis C, 18-21 Oct 2021

b) Contributed as a Technical Working Group (TWG) Member for hepatitis C virus self-testing (HCVST), Nov 10, 2021

c) Guideline Development Group (GDG) member for WHO Guidelines "Recommendations and guidance on hepatitis C virus self-testing" – released on July 2021

3. Awards & honours received

Research Day Award for publishing in The Lancet, the highest impact factor journal from the institute, 5 Sept 2021

Dr. Yogesh Bahurupi
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Invited as a resource person for "Post COVID Care: Physiological and psychological recovery" by Parliamentary Research & Training Institute for Democracies (PRIDE), Lok Sabha Secretariat on 28/05/2021.

b) Invited as a resource person for National webinar on World No Tobacco Day at AIIMS Rishikesh on 31.05.2021

c) Invited as a resource person for National webinar on TB free Workplaces, "Coordination between DTO and industry for diagnosis and treatment of TB" by NTEP task force Uttarakhand on 12/06/ 2021

d) Panellist for panel discussion on "Strengthening the integration in science: A step towards Nation Building" on 30th July 2021 organised by Integrated Association of Medical, Basic and Social Scientists (IAMBSS); co-Organized by ICMR Advanced Centre for Evidence Based Child Health (Phase-II), PGIMER, Chandigarh & All India Institute of Medical Sciences (AIIMS), Rishikesh & Sardar Bhagwan Singh University, Dehradun Uttarakhand

e) Resource person for workshop on "Approaches and Strategies in writing Systematic Review and Meta-analysis" on topic "Formulating Research Question, writing and registration of protocol" on 31st July 2021 organised by Integrated Association of Medical, Basic and Social Scientists (IAMBSS); co-Organized by ICMR Advanced Centre for Evidence Based Child Health (Phase-II), PGIMER, Chandigarh & All India Institute of Medical Sciences (AIIMS), Rishikesh & Sardar Bhagwan Singh University, Dehradun Uttarakhand

f) Resource person for Research Methodology workshop for Post-graduate Nursing Student at AIIMS Rishikesh "Statistical Tests: Parametric and Non-parametric" on 12.11.2021

g) Resource person for State Level Training on Guidelines for Programmatic Management of TB Preventive Treatment on 18.11.2021.

h) Resource person for State Level Training on Invited as resource person for State Level Training on Guidelines for Programmatic Management of Drug Resistant TB on 16.11.2021 & 17.11.2021.

i) Resource person for State Level Training on Guidelines for Programmatic Management of TB Preventive Treatment on 18.11.2021.

j) Resource person for State Level Training on Tobacco Cessation at Divisional Health & Family Welfare Training Cell, Dehradun on 27.11.2021.

k) Resource person for State-Level Capacity Building of Rapid Response Team on Basic Epidemiology, outbreak investigations, and Public Health Emergency Management, FIMS, CEMT/CERT from 21 to 24 Feb 2022. Organised by CDC, India; NHM Uttarakhand at AIIMS Rishikesh

l) National Assessor for Effective Vaccine Management for Madhya Pradesh from 26.03.2022 to 02.04.2022. Assessment of Ashoknagar and Guna District completed.

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Invited as resource person for AMSA Scotland 'Inter-Chapters Journal Club Meeting', titled 'From A to Z: Research Ideation to Types of Scientific Paper" on 5th March 2022

3. Awards & honours received

Certificate of Appreciation 2021 awarded by AIIMS Rishikesh on National Doctor's Day 2021 for dedication, passion and hard work.

DEPARTMENT OF CARDIOTHORACIC VASCULAR SURGERY (CTVS)







8.8 CARDIOTHORACIC VASCULAR SURGERY (CTVS)

The department has achieved miles since its inception and enriched by faculty trained from premier institutes of the country. The department is providing all kinds of surgical care under CTVS including paediatric cardiac surgery, coronary surgery (off pump as well as on pump), peripheral vascular bypasses and thoracic interventions for benign and malignant entities.

Our mission is to start following programmes in coming years-

- Aortic surgery.
- Neonatal cardiac surgery.
- ECMO programme.
- Heart transplant programme.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1.	Dr. Anshuman Darbari	Additional Professor &HoD
2.	Dr. Namrata Gaur	Associate Professor
3.	Dr. Raja Lahiri	Assistant Professor
4.	Dr. Anish Gupta	Assistant Professor

I) Departmental activities:

1. Academic

a) Online and physical seminars for B.Sc perfusion technology.

b) Online and physical seminars for M.Sc perfusion technology.

c) Online and physical seminars for M.Ch – CTVS

2. OPD Services : OPD Days (Monday – Friday)

Sl.No.	Faculty Name	Designation	OPD Days
1.	Dr. Raja Lahiri	Assistant Professor	Monday
2.	Dr. Anshuman Darbari	Associate Professor	Tuesday
3.	Dr. Namrata Gaur	Associate Professor	Wednesday
4.	Dr. Anish Gupta	Assistant Professor	Friday

Total OPD patients - 2431 Patients (April 1st 2021 – March 31st 2022)

3. IPD Services

IPD Services- Functional

- No. of beds – 22.
- Patients admission – 279 (Approx. 20-25 patients/month)
- 4 bedded HDU increased to 8 bedded HDU.

4. Diagnostic Services

- Total OT cases – 280 (In 2021)
- Field Activities. – None

5. Health awareness / educational activities organized by department

Health Awareness informative videos on TV in IPD.

6. CME/ workshop/ conference/training organized by department

Role of ECMO in Cardiovascular Surgery and technical knowledge about ECMO

7. New initiative of department

a) CTVS OPD every day with a special thoracic surgery clinic on Tuesday and heart failure/valve clinic on Wednesday as new addition.

b) Telemedicine consultation facility

8. Other activities / achievement by Department

a) MBBS classes

b) COVID duties by JR/SR/Faculty

9. Future plan

a) To start ECMO programme

b) To initiate neonatal cardiac surgery

II) Faculty activities :

Dr. Anshuman Darbari
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

In Medical subject expert panel of Central Drugs Standard Control Organization (CDSCO) under DGHS, Ministry of Health & Family welfare, India for evaluation of proposals related to new drugs, clinical trials & medical devices.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) As Invited Speaker in Thoracic Surgery section- 2nd Edition of Global Conference on Surgery and Anesthesia (GCSA)- 24 September,2021.

b) E- Poster on "Establishment of Cardio-thoracic Vascular surgical services in a government institute at a far-off place: difficult and different challenges !" Under category: Building Capability and Leadership in International Forum on Quality and Safety in Healthcare, Australasia by Institute of Health care, BMJ on 8-10 September 2021.

Dr. Raja Lahiri
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Participated as Faculty/Panelist in the 2nd INSHLT Virtual Annual Meeting (26th – 28thNov, 2021)

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Participated as Faculty/Resource person in ECHO 360 Structural Heart Imaging 2021 Online (South Korea) (30th – 31stOctober, 2021)

3. Awards & honours received

Received Youth Icon National Award 2021 by Hon'ble Chief Minister of Uttarakhand (19thDecember, 2021)

Dr. Anish Gupta
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Judge in poster presentation in IACTSCON 2022, Jaipur.



DEPARTMENT OF DENTISTRY









8.9 DENTISTRY

The Department of Dentistry offers the most advanced dental medical science available to educate students and residents and to provide our patients with the highest quality care.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr.Ashi Chug	Additional Professor
2	Dr. Ashutosh Dixit	Associate Professor

I) Departmental activities :

1. Academic

a) Undergraduate

The Department of Dentistry is actively involved in teaching of MBBS students and we conduct regular theory didactic lectures, integrated teaching sessions and have batches of students posted in the department as part of their clinical postings. They are taught regarding basic dental diseases, systemic manifestations of oral diseases, oral and maxillofacial trauma, pathologies of the jaws, disorders of the TMJ etc

Total Number of theory classes for 8th Semester – 10 classes

Clinical postings – 25 students per batch of 6th Semester for a period of 15 days

MCh Craniomaxillofacial Surgery – one candidate has been enrolled.

b) Postgraduate

MDS – Oral and Maxillofacial Surgery – has started with from January 2017 Session. Currently we have 7 postgraduate students in the Department in Oral and Maxillofacial Surgery including 4 sponsored candidates by Govt of India.

MDS Periodontology – we have 3 students enrolled.

BSc Course (3 Years) in Dental Hygiene – First student has joined from Jan 2019 Session. We currently have 4 students enrolled and 2 students enrolled in BSc Course 3 years – Dental Operating Room Assistant (DORA)

2. OPD Services

we are currently having daily OPD services from Monday to Saturday on the 2nd level OPD C1 Block- procedures done include - extractions, surgical extractions, minor oral surgical procedures, restorations, endodontic procedures, periodontal surgeries, root planing and scaling, fabrication of temporary prosthesis and obturators for patients with surgical defects,orbital prosthesis, complex implant surgeries including sinus lifts and bone augmentation surgeries and advanced orthognathic planning including fixed and removable orthodontics.

3. IPD Services

We are operating oral maxillofacial cases under GA in Major OT – TMJ, Distraction osteogenesis, craniofacial maxillofacial trauma, pediatric craniomaxillofacial trauma, maxillofacial pathology and orthognathic surgery including cleft and craniofacial surgery.

4. Health awareness/ educational activities organized by department

We routinely conduct oral hygiene maintenance demonstrations for patients visiting the Dentistry OPD, also we are part of Outreach Camps organized in several far flung areas of Uttarakhand.

5. CME / workshop / conference / training organized by department

a) Dr. Ashi Chug was Organising Secretary for the 6th International Conference organized by the Craniofacial research academy at AIIMS Rishikesh held from 23-25thJuly, 2021

b) Organized 3 hands on workshops as part of the 6th International Conference organized by the Craniofacial research academy at AIIMS Rishikesh – Facial esthetics, Surgical planning for Orthognathic Surgery, Prosthodontic rehabilitation of patients with Maxillofacial prosthesis.

6. New initiative of department

The department is planning to start Patient Specific implants for patients with maxillofacial defects and TMJ Reconstructions

7. Other activities / achievement by Department

The department has started virtual surgical planning for patients planned for complex maxillofacial surgeries.

8. Future plan

a) Proposal to start TMJ Fellowship programme

b) TMJ Arthroscopy including advanced temporomandibular joint surgeries.

c) Upgradation of the OPD with installation of new dental chairs is in process to cope up with the increased patient load.

d) Development of Minor oral surgery OT in OPD

e) Development of an in house dental lab to fabricate fixed partial dentures, crowns and bridges.

II) Faculty activities :

Dr Ashi Chug
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Organising Secretary for the 6th International Conference organized by the Craniofacial research academy at AIIMS Rishikesh held from 23-25thJuly, 2021

b) Invited as a Guest Speaker in Oral and Maxillofacial Surgery Master Course held by Baba Farid University of Health Sciences, Faridkot, Punjab and Department of Medical Research and Education, Govt. of Punjab from 14th-19th March 2022

c) Session coordinator for AOMSI Virtual Masterclass 2022 held from 4-6 and 11-13 March 2022, organised by the Association of Oral and Maxillofacial Surgeons of India.

d) Faculty and Moderator for Reviewers Workshop conducted online from 21 June 2021 to 30 June 2021 organized by the Craniofacial Research Academy and Elsevier.

e) Invited as eminent speaker on the occasion of Conclave on Comprehensive cleft care organised by Indira Gandhi Institute of Medical Sciences on 9th Feb 2022.

f) Panellist on Maxillofacial Trauma at the 45th Annual Conference of AOMSI Mangaluru, 2-4 Dec 2021.

g) Convenor for Post Graduate MDS Oral and Maxillofacial Surgery final Exams at AIIMS Rishikesh

h) Chairperson – 3rd National Conference of Indian Society of Dental Traumatology 13-17th October 2021.

i) Chairperson – 24th Mid Term Conference and 10th PG Convention of AOMSI on 30,31 July – 1August 2021.

j) Chairperson – Tabulation Committee at AIIMS Rishikesh, Examination Cell

k) Faculty and coordinator– for workshop on medical photography and videography at AIIMS Rishikesh – conducted 8-10 sessions with 40 participants in each session.

l) Attended and complete the AO CMF Online Global conference – Travelling mandible conducted from 28-30 May 2021.

m) Participated - Osteology-EFP Virtual Live Surgery Day on 17 June 2021.

n) Attended a national webinar on preventing dehiscences in major bone augmentations organised by Geistlich biomaterials on June 9, 2021

o) Participated in the All India AOMSI PG Orientation Program on 27th Feb organised by the Association of Oral and Maxillofacial Surgeons of India.

p) Attended National level CME program – Challenging Horizons in Maxillofacial Surgery on 27 July 2021 at AIIMS Raipur.

q) Participated in Webinar on Understanding Dentofacial Deformities - 12th December 2021

2. Awards & honours received

a) Awarded with a Membership award for contributions to the advancement of dentistry by the Craniofacial Research Academy.

Department of Dermatology, Venereology and Leprosy











8.10 Dermatology, Venereology and Leprosy

To promote first-rate integrated health care for patients with skin disease through comprehensive teaching programs, systematic research and implementation of world-class holistic medical care.

Highest level of innovative and evidence based dermatological care with simultaneous commitment to continuing professional development and education.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Neirita Hazarika	Additional Professor & HOD
2	Dr. Naveen Kumar Kansal	Associate Professor
3	Dr.Riti Bhatia	Assistant Professor

I) Departmental activities :

1. Academic

a) Undergraduate

- Undergraduate classes occurs twice in a week- Thursday, Saturday
- No. of theory classes – 35

There were 2 integrated classes as following

- Leprosy on 06.09.2021
- Vaginal discharge on 29.11.2021
- Theory and clinical classes are taken in 6th and 7th semester- biweekly theory lectures, clinical classes (posting of three weeks duration in 6th and 10 days in 7th semester) and end posting exams are being conducted regularly as part of UG curriculum.
- Apart from this, as part of internship programme, 98 interns were posted in dermatology an elective posting of 15 days.

b) Postgraduate

Currently, 6 batches of Post graduate trainees with 16 students are in the Department.

Following academic classes are running every week

Name of class	Day	Total no. of class in last year
Clinical Case Conferences	Monday	37
Seminar	Tuesday	31
Dermatopathology discussion	Wednesday	9
Case based discussion	Wednesday	18
Journal club	Thursday	28

2. OPD Services:

OPD services are running every day except Sunday.

Total 25984 patients benefitted from OPD services rendered by the department, during last year.

Following minor OT had been done –Total 1952

	Procedure	No. of cases
a)	Vitiligo surgery/SBG	6
b)	Chemical Peeling.	23
c)	Acne scar surgery including Dermaroller .	46
d)	Biopsy and excision .	489/20
e)	Radio-frequency ablation	286
f)	Intra-lesionalInjections,	399
g)	Platelet rich plasma therapy	76
h)	Extirpation of Molluscum/Milia/comedone	137
i)	Chemical cauterization	117
j)	Cryotherapy	5

Following diagnostic procedures had done –

a)	Dermoscopy.	-	In almost every OPD patient
b)	Woods lamp examination.	-	98
c)	Patch test	-	10
d)	Biopsy	-	489

Following special clinic were running –

Topic	Day	No. of patients seen
Leprosy clinic	Wednesday	150
STI infection	Daily	1300
Paediatric clinic	Daily	1284

3. IPD Services

50 admissions till 31st March 2022, mainly for dermatological emergencies.

Special treatment protocol given –

a)	Pulse therapy - (DCP , DP)	-	1
b)	IVIG.	-	1
c)	Rituximab.	-	3

4. New initiative of department

Following new modilities will initiate soon in the department –

a) Combined phototherapy (UVB + UVA)

b) Hand and foot phototherapy

c) Fractional CO2 laser

5. Other activities / achievement by Department

Dr Priyanka : 2nd prize in National Post Graduate 3D Quiz 2.0 MANKIND organized by KEM hospital Mumbai

6. Future plan

We plan for initiation of LASER and phototherapy therapy.

II) Faculty activities :

Dr Neirita Hazarika
Additional Professor & Head

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest speaker, National PG Update North South zone, 20&21st Nov 2021– Topic ' Genital Ulcer Disease'

b) Guest speaker, CUTICON North East IADVL Branch, 27 & 28th Nov 2021– Topic 'STD: Recent Treatment Guidelines'

c) Chairperson in session 'Female sexual dysfunction' in Annual Conference of CARDIODIABETIC Society in collaboration with CARDIABCON Uttarakhand, 25 & 26th Nov 2021

d) Chairperson in session 'RTI/STI in Pregnancy' in " VIRTUAL CME & PG TEACHING PROGRAM 2022" in association with *SOGA , Patiala Menopausal Society, Society of Fetal Medicine (Patiala chapter) , Urogynae Committee FOGSI * , under aegis of *FOGSI , IMS & ICOG on 17-19th February 2022

Dr. Riti Bhatia
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Invited for faculty talk in Quiz slide session in the annual conference of the Dermatopathology Society of India, held on 14th and 15thJanuary, 2022 (ONLINE)



DEPARTMENT OF EMERGENCY MEDICINE & TRAUMA









8.11 EMERGENCY MEDICINE & TRAUMA

Emergency Medicine is a new academic discipline for India. The Medical Council of India formally recognized it in 2009. Hospitals and medical colleges across our country are now mandated to have full-fledged Departments of Emergency Medicine staffed by qualified Emergency Clinicians who can provide Quality Emergency Care. Round the clock emergency services were started in April 2017. The Department is running our academic program of M.D. since January2019 and two PDCC courses in Emergency Medicine and Emergency Trauma Anaesthesia are approved recently. Our field is based on the knowledge and skills required for the prevention, diagnosis and management of acute and urgent aspects of illness and injury affecting patients of all age groups with a full spectrum of undifferentiated physical and behavioural disorders. Our Emergency Medicine Department at AIIMS Rishikesh strives to:

- Provide High Quality and Low-Cost Emergency Healthcare in a spiritually enriching
- environment.
- Provide State-of-the-art education and mentorship to the future emergency physicians.
- Grow as a Centre of Excellence and Leader for nurturing the Science of Emergency Medicine,
- Nationally and Internationally
- Become the Flag-bearer of the ideology: "Quality Emergency Care for All"

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Nidhi Kaeley	Associate Professor & HOD
2	Dr. Bharat Bhushan Bhardwaj	Assistant Professor
3	Dr. V. Nagasubramanyam	Assistant Professor
4	Dr. Poonam Arora	Assistant Professor
5	Dr. Naman Agrawal	Assistant Professor

I) Departmental activities :

1. Academic

Postgraduate teaching in the form of seminars, journal clubs, case presentation, clinical rounds and monthly formative assessment. Skill improvement using simulation lab of institute. MBBS teaching in the form of interactive discussion.

2. OPD Services

For patients presenting to emergency, an E-OPD card is made after triaging. Accordingly they are managed, relevant diagnostics were sent and therapeutic interventions were performed. The disposition of the patients is determined after stabilization and alleviating emergent signs and symptoms.

3. IPD Services

Patients are provided emergency services till their disposition

4. Health awareness / educational activities organized by department

Due to COVID Pandemic no health awareness campaigns organized by department.

5. CME/ workshop/ conference/training organized by department

Due to COVID Pandemic no CME organized by department.

6. New initiative of department

Started a 2 year diploma course in emergency medicine especially for medical officers of state of Uttarakhand so this will be helpful in improving their skills emergency management and will further strengthens emergency services at remote areas.

7. Other activities / achievement by Department

Emergency medicine department is one

of the core department which was actively involved in various administrative modifications happened during COVID Pandemic. Entire department is converted to an ICU to cater sicker COVID patients so that helps institute to cater this category of patients effectively.

8. Future plan

To develop dedicated fully equipped ICU and HDU under department of Emergency medicine department. To equip all the beds of emergency medicine department to equip with ventilator. To make further collaborations with institutes across world to improve research activities and academic activities at department.





DEPARTMENT OF ENDOCRINOLOGY



8.12 ENDOCRINOLOGY

Our mission is to develop into a center of excellence for endocrine care by providing comprehensive and holistic endocrine care for common and rare endocrine disorders with a focus on providing patient centric care of the highest standard.

- Patient management: Our first focus is providing state of the art patient management and to this end we aim to start specialized clinics for in-depth management of disorders such as bone health, pituitary disorders, adrenal disorders, obesity, gestational diabetes mellitus, type 1 diabetes mellitus, inherited endocrine cancer syndromes and long-term endocrine effects of cancer treatment. Diabetes and obesity are particular areas where we are trying to improve public awareness and also act as advocates for patient health and financial and administrative support at the government level. We also aim to enhance diabetes care in the region with a focus on providing effective patient education, follow up and complication screening. We target to provide affordable high quality diabetes care with availability of insulin and glucose monitoring devices for all along with high end technological innovations such as insulin pumps, continuous and flash glucose monitoring systems. We also aim to streamline and strengthen new-born screening for congenital hypothyroidism and timely referral in the state.
- Diagnostic facilities- In the coming years we target to build up the diagnostic testing facilities offered by the department with the inclusion of DEXA machine for bone health assessment, a comprehensive array of endocrine laboratory investigations and dynamic endocrine tests and molecular genetic testing for endocrine disorders.
- Education and research- We are currently offering a post-doctoral certificate one year course in pediatric endocrinology and a 3-year DM course in Endocrinology. We also envisage building up the research output of the department with collaborations with other departments within the hospital and both national and international endocrine centers with a focus on metabolic research.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr Kalyani Sridharan	Assistant Professor
2		

I) Departmental activities :

1. Academic

a) Department academic activities: Departmental academics in the form of seminar topic presentations, case presentations and journal clubs by residents happen twice in a week.

- No of case presentations: 15
- No of seminar topics presented: 45
- No of journal clubs: 48

b) Faculty classes:

- Research methodology classes by Dr Kalyani Sridharan
- Patient communication – Dr Kalyani Sridharan

c) UG Classes: 06

d) PG classes: None

- Paediatrics
- Medicine

e) Inter-AIIMS academic classes for residents: New inter AIIMS academic sessions for DM residents have been initiated and are on-going between the departments of Endocrinology of AIIMS New Delhi, AIIMS Jodhpur and AIIMS Rishikesh

2. OPD Services

Endocrinology OPD services operate on 3 days a week along with a special clinic on Tuesdays as per the schedule given below:

OPD/Clinic	Day and time	Faculty in-charge
General Endocrinology Adult	Monday and Wednesday; 9am	Dr Kalyani Sridharan
Pediatric Endocrinology	Thursday; 9am	Dr Kalyani Sridharan
Obesity and diabetes foot clinic	Tuesday; 2pm – 4pm	Dr Kalyani Sridharan

No of OPD patients in the last one year: 2938

3. IPD Services

Endocrine ward currently has 10 beds in level 4 C5

No of IPD admissions in the dept over last year-219

No of referrals seen from other departments in the last year-2820

Diagnostic tests done in the department are:

- ACTH stimulation tests done- 48
- Water deprivation tests done: 6
- Diagnostic fast (both 72 hr and extended OGTT)-2
- Growth hormone stimulation test done-2
- Growth hormone suppression test done-8
- HCG stimulation test-6
- GnRH stimulation test-1

4. Health awareness/ educational activities organized by department

World diabetes day was organised by the department on the 4th of December 2021. As part of the programme a quiz was conducted for the postgraduates to raise awareness about diabetes mellitus. There was good participation from various departments of the institute.

5. CME/ workshop/ conference/training organized by department

Continuous glucose monitoring and insulin pump training program in April 2022 for the dept residents and nursing staff

6. New initiative of department (1st April 2021 to 31st March 2022)

Inter-AIIMS common academics was initiated for the DM residents for better interaction and learning experience which is currently being actively followed

7. Future plan

a) We propose to gradually build up our general adult and pediatric endocrinology patient base and then expand our patient services by starting more speciality clinics like gestational diabetes clinic, pituitary clinic, clinic for long term endocrine effects of cancer therapy etc.

b) We are also in the process of acquiring DXA scan for bone mineral density assessment which would again help in patient care.

c) We also envisage having an endocrine lab in the department with facilities for testing for various endocrine disorders on an in-house basis. This would greatly improve both quality and cost of testing and enable us to deliver optimal and timely patient care.

d) Another area of focus is to enable the department to have facilities for research and produce good quality research output from the department.

II) Faculty activities :

Dr Kalyani Sridharan
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Speaker and organising person in ESI Obesity week March 2022: Topic – Obesity in specific phases of life

b) Speaker in UKRSSDI conference in May 2022: Topic – Brittle diabetes

c) Speaker for Nursing Upskills program for India-Sweden Healthcare Innovative Centre in Feb 2022

d) Speaker in Cardiabcon 2022 – Topic: Sulphonylureas are too old for the elderly

8.13 Laboratory Animal Facility (Animal House)

Laboratory Animal Facility (Animal House) of All India Institute of Medical Sciences (AIIMS), Rishikesh, is spread in an area of 13000 sq.ft. on ground with a vertical expansion plan up to three floors in future. It is located in a separate building inside the AIIMS premises. Laboratory Animal Facility (Animal House) is registered with the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) under Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Government of India with the registration no. 2070 / GO / ReBi / S / 19 / CPCSEA valid upto 07/07/2024. The animal facility is registered for research on small animals as well as breeding for in-house use. The animals are being maintained under controlled environmental conditions (HVAC) as specified in CPCSEA guidelines with temperature maintained between 22-25±20C, relative humidity between 30-70 %, 12:12 hr light dark cycle and 10-15 air changes per hour with 100% fresh air.

Department/Cell has following members & staffs –

Sl. No.	Name of Member/staff	Designation
1.	Prof. Shailendra Handu	Nodal Officer-cum-Chairman-IAEC
2.	Dr. Ashish Kumar	I/C Veterinary Officer-cum-Member Secretary-IAEC
3.	Ashutosh Kumar Rao	Technician
4.	Ravinder Kumar Negi	Animal Attendant
5.	Rohit Negi	Animal Attendant

Mission:

Animal house was established in the year 2019 with the following objectives:

- To cater to the institutional needs.
- To enhance the medical knowledge.
- To look for an alternative to the animal experimentation.
- To impart training to the manpower involved in laboratory animal care, breeding and management.
- To sensitize and train the researchers about animal welfare, ethics and experimentation.
- To work on and implement the principle of 4 'Rs' i.e. Reduction, Refinement, Replacement and Rehabilitation.

I) Departmental activity:

1. Health awareness/educational activities organized by department

a) New animal research project approved (PhD): 01

b) Projects amended (PhD): 02

c) Sufficient animals provided for MD Pharmacology teaching and training program as mandated in competency based course curriculum.

2. Workshop/ conference/training organized by department

3rd Institutional Animal Ethics Committee (IAEC) meeting held on 15/06/2021.

3. Awards / honours received by department

a) Institute of Scholars (INSC) Research Excellence Award - 2022 for the research paper "Piperlongumine inhibits diethylnitrosamine induced hepatocellular carcinoma in rats".

b) Certificate of Excellence in Reviewing: Journal of Pharmaceutical Research International.

c) Certificate of recognition, for the article "Veterinarian response to the COVID-19 crisis" on World Veterinary Day, 2021, by e-Pashupalan.

4. Other activities / achievement by Department / Cell

Completion of three animal research projects during the period.

5. Future plans

a) Upgradation of the existing animal facility to a level of ABSL-3.

b) Procurement of all the required laboratory equipment.

DEPARTMENT OF OTORHINOLARYNGOLOGY (E.N.T)



8.14 OTORHINOLARYNGOLOGY (E.N.T)

Otorhinolaryngology & Head-Neck surgery is a branch that deals with the medical and surgical management of ear, nose and throat ailments including head and neck conditions and cancers. This branch also deals with conditions involving the skull base. The ENT Department strives to offer the most innovative and updated treatment to the patients. Our experts diagnose ENT disorders using the latest methods and technologies. It provides comprehensive care to patients with diseases of the ear, nose, throat and head and neck, the anatomic limits being the dura above and the pleura below.

Our mission is to provide highly specialized medical care in a setting that always puts patients' needs first.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr Manu Malhotra	Professor
2	Dr Madhu Priya	Additional Professor
3	Dr AK Tyagi	Associate Professor
4	Dr Amit Kumar	Associate Professor
5	Dr Abhishek Bhardwaj	Assistant Professor
6	Dr Bhiniyaram	Assistant Professor

I) Departmental activities :

1. OPD Services

Patients examined and treated-25960

Audiological tests performed-5711

Minor procedures were performed -4512

2. IPD Services

IPD admission -266

OT Major Surgeries -257

More than 400 cases of Mucormycosis were admitted and operated from May 2021 till now. Which is the highest number in Uttarakhand.

3. Health awareness/ educational activities organized by department

a) Poster competition on World Hearing Day "Safe Hearing for all" on 3rd March 2022.

b) Training program of medical officers under National Programme and control of Deafness on 16th& 17th April 2021.

c) National level Online Head & Neck Oncology Case discussion series with subject experts from different prestigious institutes in India (March 2022).

4. CME/ workshop/ conference/training organized by department

a) Poster competition on World Heaing Day "Safe Hearing for all" on 3rd March 2022.

b) Training program of medical officers under National Programme and control of Deafness on 16th& 17th April 2021.

c) National level Online Head & Neck Oncology Case discussion series with subject experts from different prestigious institutes in India (March 2022).

5. New initiative of department

a) More than 400 cases of Mucor mycosis were operated from May 2021 till now, which is the highest number in Uttarakhand.

b) Department has undertaken an MOU with All India Institute of Medical Sciences (AIISH) to set up an Outreach Service Centre (OSC) in AIIMS Rishikesh. New equipment, manpower in form of Audiologists, speech and language therapists has been received and OSC is now working on screening of new-borns, research, and catering the clinical load in their field.

6. Other activities / achievement by Department

National level Online Head & Neck Oncology Case discussion series with subject experts from different prestigious institutes in India (March 2022) started for MCH course.

7. Future plan

Department is committed to be the most preferred and comprehensive hospital through clinical excellence, patients centricity and ethical practices to meet the health care needs of the community. We plan to start:

a) Bachler & Masters in Audiology (BSLP, MSLP courses)

b) Allergy Clinic

II) Faculty activities

Dr. Manu Malhotra
Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Tata Memorial Hospital POST GRADUATE TEACHING PROGRAM – 2021, Panelist on Thyroid Surgery

b) Resource person in Training program of medical officers under National Programme and control of Deafness on 16th & 17th April 2021

c) Organizing Chairperson - National level Online Head & Neck Oncology Case discussion series with subject experts from different prestigious institutes in India (March 2022).

2. Award & honour received

a) National Academy of Medical Sciences, member-certificate awarded to (8/5/2021

b) Commendable Editor in Chief Certificate of appreciation award to Dr Manu Malhotra, by Innovative Publications.

Dr. Madhu Priya
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource person in Training program of medical officers under National Programme and control of Deafness on 16th & 17th April 2021. (All Faculty)

b) Organizing Sec - National level Online Head & Neck Oncology Case discussion series with subject experts from different prestigious institutes in India (March 2022).

c) Webinar on Mucormycosis organised by Medicine Dep., AIIMS Rishikesh: an update on 3rd June 2021 (Panelist)

2. Award & honour received

National Academy of Medical Sciences, member-certificate awarded to (16/06/2021) Dr Madhu Priya.

Dr. Abhishek Bhardwaj
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) AOI Malappuram chapter, Kerala 18th June 2021 (Invited talk: Dr. Abhishek Bhardwaj)

b) World Hearing Day, Poster and slogan competition, 03/03/2022, Dep of ORL and HNS, AIIMS, Rishikesh, Judge-Dr. Abhishek Bhardwaj.

2. Award/honour received

National Academy of Medical Sciences, member-certificate awarded to Dr Abhishek Bhardwaj.



DEPARTMENT OF FORENSIC MEDICINE



8.15 FORENSIC MEDICINE

Department of Forensic Medicine and Toxicology is located at the 4th level of the Academic Block of the institute. The department is engaged in teaching medical students by providing hands-on experience and modern teaching modalities. It is well equipped with models, specimens and charts to provide best learning experience to students and enhance their creativity. Apart from this, the department provides a favorable environment for scientific research. The department dedicatedly caters medico legal services to the community.

Vision statement:

- To gain excellence and integrity in Forensic Medicine by balancing the emphasis on teaching, research and medico legal services.
- To develop a model center of excellence in the field of forensic pathology and allied branches of forensic science.

Mission statement:

- To produce competent physicians capable of providing medical-legal services without infringing medical ethics and principles.
- To provide the comprehensive medico legal service to community through innovative programme.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Binaya Kumar Bastia	Professor & Head
2	Dr. Shailesh V. Parate	Associate Professor
3	Dr. RaviprakashMeshram	Associate Professor
4	Dr. Ashish R. Bhute	Associate Professor

I) Departmental activities

1. Academic

Undergraduate teaching

Department is engaged in teaching 125 MBBS students each year for 1.5-year duration, as per prescribed curriculum. Regular monthly assessments examinations are conducted as per schedule. At the end of course final examination is conducted as per rules.

Objectives

a) To impart knowledge about medicolegal duties of doctor in clinical practice and about conducting post mortems of commonly encountered cases.

b) Medicolegal duties and general aspects of management of poisoning cases.

c) Teaching medical ethics to undergraduate students.

Postgraduate teaching

Currently, 5 postgraduates are undergoing training for degree of MD in Forensic Medicine and Toxicology.

Objectives

a) To impart knowledge about medicolegal duties of doctor in clinical practice.

b) Conducting post mortems of different types of cases.

c) Medicolegal duties and general aspects of management of poisoning cases and management of clinical Forensic Medicine cases.

d) Analytical toxicology methods.

e) To impart knowledge about research methodology in Forensic Medicine.

2. OPD Services:

Medicolegal autopsies conducted- 497

Clinical Forensic Medicine cases attended- 245

3. New initiative of department

Department preparing to start DM course in Forensic Radiology.

4. Future plan

Department is planning to start no incisional autopsy. (Virtual autopsy)

II) Faculty activities:

Dr. Binaya Kumar Bastia
Professor & Head

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Visiting faculty to Police Training Academy, Narendra Nagar, Uttarakhand.

b) Guest faculty for training of Public Prosecutors Narendra Nagar, Uttarakhand.

Dr. Shailesh V. Parate
Associate Professor

1. Participated in NationalCME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Resource faculty in college of nursing AIIMS, Rishikesh for topic Medicolegal autopsy.

Dr. Raviprakash Meshram
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Visiting faculty to Police Training Academy, Narendra Nagar, Uttarakhand.

Dr. Ashish R. Bhute
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource Faculty for Workshop on Professionalism, Interpersonal Relationship, Communication Skills and Ethics in AIIMS Rishikesh.

b) Resource Faculty for Faculty Development Workshop on Medical Education Technologies in AIIMS Rishikesh.

c) Resource Faculty for Medical Photography, Videography and Editing in AIIMS Rishikesh.

d) Delivered lectures in Police Training Centre, Narendra Nagar

e) Conducted training of MPH Students about Importance of Film making and Video Editing for Public Health in Department of CFM.



DEPARTMENT OF GENERAL SURGERY







8.16 GENERAL SURGERY

Department of Surgery is a centre for undergraduate & postgraduate teaching, patient care and research at All India Institute of Medical Sciences, Rishikesh. The Department is committed to providing the highest quality of medical care to patients, world class education for students and continuing innovative basic science and clinical research.

Core competencies of the Department

A well experienced team in the department which demonstrates:

- Commitment towards the patients, medical and nursing students, profession and community through ethical practice.
- Integrate new learning methods into practice.
- Have surgical knowledge and skills which are appropriate to their level of experience.

Thrust areas of the Department

1. Patient Care:
- Collaboration and Teamwork.
- Communication skills & soft skills.
- Responding to health needs of the community.

2. Teaching:
- To provide an intellectually stimulating environment to motivate and inspire students in their quest for knowledge.

3. Research:
- Multidisciplinary research

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Somprakas Basu	Professor & HOD
2	Dr. Amit Gupta	Professor
3	Dr. Farhanul Huda	Additional Professor
4	Dr. Navin Kumar	Associate Professor
5	Dr. Deepak Rajput	Associate Professor
6	Dr. Sudhir Kumar Singh	Assistant Professor

I) Departmental activities :

1. Academic

a) Undergraduate
- Didactic lectures
- Simulation lab modules
- Student seminars
- Integrated teaching
- Evening classes
- OPD & ward teaching

b) Postgraduate
- Seminar
- Journal club
- Case presentation
- Grandrounds
- Mortalitymeet

2. OPD Services:

a) General Surgery

b) Colorectal clinic

c) Hepato-Pancreato-Biliary clinic

3. IPD Services:

General Surgery

4. CME/ workshop/ conference/training organized by department

a) 1.Training :- Bowel Anastomosis [Residents] 15th& 16th of June 2021

b) Basic Surgical Skills Training [MBBS 2018 Batch Students] 6th,7th& 8th September 2021

5. New initiative of department

a. Surgical skill lab

b. M.Ch Minimal Access Surgery and General Surgery course

6. Other activities / achievement by Department

Outreach camp to Jolly GrantAirport

7. Future plan

a) Multispeciality wound clinic
b) Colorectal lab
c) Pelvic floor center
d) Bariatric surgery
e) Fellowship in Coloproctology

II) Faculty activities :

Dr. Somprakas Basu
Professor & Head

1. NationalCME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Chairperson – Scientific session (operative) SELSICON & IHSCON. December 4-5, 2021. (Virtual)
b) Jury, 3rd National Biomedical Research Competition. AIIMS Rishikesh. December, 6-9, 2021.
c) Guest Lecture – Wound dressings: selection is the key. DFSICON 2021: 19TH Annual Conference of the Diabetic Foot Society of India. Trivandrum, December 18-19, 2021.
d) Guest Lecture – Pathophysiology of wound healing and Surgical site infection. PAN-AIIMS Collaboration in Surgery – Rethinking in acute wound care. AIIMS Delhi. November 20, 2021.
e) Guest Lecture - "Doctor, I cannot sit, stand, walk due to pain" – a surgeon's approach to coccydynia. Sher-e-Kashmir Institute of Medical Sciences, Srinagar. March 30, 2021.
f) Invited Faculty – Regional Refresher Course. Association of Surgeons of India. September 2021
g) Invited Faculty – SCOPE Course. Association of Surgeons of India – Delhi State Chapter. August 2021.
h) National Judge in Competitive events – Annual Conference ASI. December 17-19, 2021.
i) Invited Faculty – LHMC Surgery PG Clinical Update. February 3-6, 2022.

2. InternationalCME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Guest Lecture – Psychological influences on wound healing. Asian and 3rd Global Wound Conference. Malaysian Society of Wound Care Professionals. Kuala Lumpur, Malaysia. December 3-5, 2021.

3. Awards & honours received

a) Associate Editor, European Journal of Medical Research (BMC-Springer Nature) since 2021.
b) Associate Editor, International Journal of Lower Extremity Wounds (SAGE Publication, UK) since 2021.
c) Editorial Board Member - BMC Surgery (Springer Nature) since 2021
d) External reviewer (project evaluation), Technology Innovation Hub (TIH), National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), IIT Roorkee. January 25-27, 2021.
e) External expert, Faculty recruitment board, AIIMS Bathinda, March 2022
f) External expert, Faculty recruitment board, AIIMS Rajkot, November 2021.
g) Educational Excellence Awards: Ten best professors of the Year 2021. Kiteskraft foundation. November 2021.ssss

Dr. Amit Gupta
Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended 2nd mid-term conference of ISO -ISOCON 2021 3-4th April 2021 (Virtual)
b) Invited as National faculty (panellist) on Robotic Surgery in Indian Association of Gastrointestinal Endo surgeons (IAGES) at Coimbatore 7-8th May 2021 (Virtual)
c) Attended the Association of Surgeons of India conference (ASICON)17-19th December 2021 (Virtual)
d) Attended National Conference of Indian Association of Surgical Gastroenterology (IASGCON) on 9-10th October 2021 (Virtual)
e) Attended Oncosurg TMH 19-21st November 2021 (Virtual)
f) Invited as National Faculty in SCOPE 2021 organized by Delhi state ASI chapter 1-5th September 2021 (Virtual)

g) Attended Robotic hernia surgery operative workshop on 24-25th July at New Delhi

h) Invited as National faculty at SURGICON 19-21st November 2021 (Virtual)

i) Invited as National faculty at AMASICON and presented faculty paper on Robotic training and credentialing on 26-28th November 2021 at New Delhi

j) Invited as National Faculty and delivered talk on Robotics in Surgery in Lady Hardinge Medical College Surgery update 3-6th February 2022 (Virtual)

k) Invited as National faculty in SCOPE 2022 organized by Delhi state ASI chapter and RML Hospital New Delhi 3-6th March 2022 (Virtual)

l) Attended 29th International Conference Of Indian Association Of Palliative Care 11-13th February 2022 at Jaipur (virtual)

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended and presented poster in European Hepato-Pancreato-Biliary Association biennial congress 15-17th September 2021 (Virtual)

b) Attended American College of Surgeons (ACS) Congress October 2021 (Virtual)

c) Attended Royal college of physician and surgeon Glasgow virtual Diploma ceremony on 5th October 2021 (Virtual)

3. Awards & honours received

a) Fellowship of Royal College of Surgeons (Edinburgh)

b) Life membership of Indian Society of Oncology

c) Fellowship of American College of Surgeons

Dr Farhanul Huda
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Moderator, PG Clinics General Surgery, The National PG Resident Clinical Case Discussion, March 22, 2022

b) Guest Faculty, National Skill Enhancement Programme, ASI on Blood Transfusion, February 16,2022

c) Panellist for Discussion on Anastomotic leaks after colorectal surgeries in ASICON 2021 (VIRTUAL) December 18, 2021

d) Judge, Free paper presentation In ASICON 2021 (Virtual) December 11

e) Guest Faculty for AMASICON 2021 November 26-28, 2021

f) Guest Faculty for 3rd AWCA and 23rd Annual Conference of ISWM (Virtual) November 26-28 2021

g) Resource Faculty in Faculty Development Program workshop on Basic Medical Education Technologies at All India Institute of Medical Sciences, Deoghar, October 7-10, 2021.

h) Invited Guest Speaker in National E Conference on Natural Calamities and Ecosystem Restoration (Virtual). Delivered a talk on COVID-19 Pandemic and Telemedicine: the new normal. September 28-29, 2021.

i) Resource Faculty in Faculty Development Program Workshop on Basic Medical Education Technologies at AIIMS Raibariely, September 15-18, 2021

j) Guest Speaker in National Board of Examination, India. Delivered a talk on Objective Structured Clinical Examination (OSCE), September 09, 2021

k) Program Coordinator and Resource faculty for Basic Surgical Skills Course for Medical undergraduates September 6-9, 2021, AIIMS Rishikesh, India.

l) Invited Faculty cum Examiner for Torrent Young Surgeon Award (Virtual) under the aegis of Association of Surgeons of India on September 6, 2021

m) Resource faculty in Faculty Development Program on Medical Education Technologies from August 30-September 4, 2021 at AIIMS Rishikesh

n) Instructor, ATLS-ATCN Course, AIIMS Rishikesh, August 26-28, 2021

o) Invited Faculty in PG clinics general surgery. The national PG resident clinical case discussion on August 06, 2021

p) Paper presentation titled Simulation Based Summative Assessment For Medical Undergraduates In Surgery: A Need Based Alternative Approach

Undertaken During COVID-19 Pandemic. Presented in MEDUCON 2021. Virtual conference September 2-3, 2021.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Are We Breast Cancer Aware? A Comparative Study of Urban and Rural Females. Presented in International World Women Conference-IV (Virtual), March 8-9, 2022.

b) Is COVID19 a new causative factor for recurrent acute pancreatitis. Presented in 6th International conference on COVID19 studies, January 16-17 2022, Manhattan New York

c) Effect of COVID 19 on surgical emergencies in a tertiary care centre. Presented in 6th International conference on COVID19 studies, January 16-17 2022, Manhattan New York

d) Knowledge, Attitudes and Practice of patients attending surgery clinics towards COVID19 infection and pandemic. Presented in 6th International conference on COVID19 studies, January 16-17 2022, Manhattan New York

e) Patients' perception on the safety and feasibility of elective surgery during COVID19 pandemic. Presented in International Liberty Interdisciplinary Studies Conference, January 16-17, 2022 Manhattan, New York.

f) Effect of Personal Protective Equipment (PPE) on Surgical site infection in emergency laparotomy. Presented in International Liberty Interdisciplinary Studies Conference, January 16-17, 2022 Manhattan, New York.

g) A study to assess the risk factors of geriatric patients undergoing emergency surgery. Presented in International Liberty Interdisciplinary Studies Conference, January 16-17, 2022 Manhattan, New York.

3. Awards & honours received

Asian Education Award 2022- Best Professor of the year

Dr. Navin Kumar
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) One week online training program on statistical data analysis using SPSS software, Science tech institute, Lucknow, May 21-27, 2021.

b) Delivered a Guest lecture on "Role of Hospital Anxiety and depression in wound healing" at 3rd Asian wound care association conference & 23rd Annual conference of Indian society of Wound management (Virtual) 26-28 November 2021.







DEPARTMENT OF INTERNAL MEDICINE







8.17 INTERNAL MEDICINE

The Department of Internal Medicine at All Indian Institute of Medical Sciences, Rishikesh has been a pioneer Department in making this Institute as an Institute of national importance since inception. The Department was established in 2013 and started its clinical services in 2014. This Department has been the cornerstone of clinical services in Internal Medicine and all allied sub specialities and remains the main source for deciphering services in the field of Cardiology, Neurology, Gastroenterology, Nephrology and other medical sub-specialties till they started functioning as independent Departments. The Department has been ranked as one of the best department at AIIMS Rishikesh which gets apparent from the highest rank students take AIIMS Rishikesh as their first choice after Delhi AIIMS. The Department is structurally functioning as a single unit with multiple specialty clinics attached to individual faculty member. Various clinical services being delivered through its special clinics are diabetes, geriatrics, rheumatology, lifestyle diseases and infectious diseases. Department is having dietetics attached to it both OPD and IPD for dietary counselling and nutritional care of patients. Department is running general medicine OPD in the morning hours. The specialty clinics are being from morning and run through afternoons. Most of the specility clinics run 3 to 5 times per week. The Department is envisioned to achieve few centers of excellence in various domains of clinical, research and academic arena. Aim is to develop a state of the art, internationally acclaimed department of Internal Medicine.

Department has following members –

S.NO	NAME	POST
1.	Dr. Minakshi Dhar	Additional Professor & Head of the Department
2.	Dr. Ravi Kant	Additional Professor
3.	Dr. Monika Pathania	Associate Professor
4.	Dr. Venkatesh. S Pai	Associate Professor
5.	Dr. Prasan Kumar Panda	Assistant Professor
6.	Dr. Mukesh Bairwa	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate

The educational mission for the department is to cultivate future leaders in Medicine. At present the department is actively involved in the teaching of undergraduate medical students. The Medicine curriculum starts in the 3rd semester of the MBBS program and continues up to 9th semester.

b) Clinical Teaching.

Students of three semesters are posted at a time in the department of medicine for learning the clinical skills, during the three hours of clinical class every day for each semester, the students are made to understand the cognitive basis of skills, these skills are demonstrated and finally they get an opportunity to practice these skills on patients under supervision.

c) Lectures / Tutorials

The department has been allotted 4 Lectures & 2 tutorials per week for different semesters. The faculty in the department makes best effort to make these classes as interactive as possible. We are also arranging small group discussions and problem based learning sessions on a regular basis.

Teaching schedule of undergraduates:-

SEMESTER LECTURE

III once per week

IV once per week

V once per week

VI 2 lectures(1 hr each) per week + 1 seminar/week

VII 2 lectures(1 hr each) per week + 1 seminar/week

VIII 2 lectures(1 hr each) per week+ 1 seminar/week

IX 2 lectures(1 hr each) per week

We have conducted six final professional examinations in the subject of Medicine till now, first one was held in November 2016. The external examiners are always from Institute of National importance.

Examination is conducted in fair manner and under strict vigilance. Theory examination is based on Clinical Vignettes multiple choice questions which cover all the six domains of Bloom's Pyramid. Practical examination is OSCE (Objective Structured Clinical Examination) based. This has made assessment more objective and fair. Some students get detained because of short of attendance or less internal assessment. Department always makes an effort to improve the performance of these students who get detained because of short of attendance and takes extra classes for students.

d) Internship Programme

Internship programme started from 1st Jan 2017. Students are posted in medicine department according to the Internship Rotation Programme. Interns are actively involved in patient care in IPD patients. They are taught the skills of basic management in wards and also trained in dealing with medical emergencies. Interns are put on emergency duties along with the Residents so that they have hands on dealing with emergencies as well. Interns are also posted in OPD along with residents so they learn the basics of OPD management. Interns are actively involved in departmental research activities. Weekly seminars are held for Interns and Residents in department for teaching purposes.

e) Postgraduate

- Internal Medicine

Department started the Post-graduate (PG) programme with six new PGs in July'2017. Till now nine batches of post graduate students have joined the Institute. They are the backbone of our Institute with regards to the patient care, academics, and research. It is a six-semester based three-year residency programme.

There is a well-designed training schedule, including thesis evaluation, along with clinical and other academic teaching activities. Along with learning & practicing Good Clinical Practices they attend and present case presentations, seminars, mortality meets, and journal clubs (on rotation basis) under guidance by SRs/faculties.

Junior residents are active in research and are expected to present two posters, publish two papers and participate in various conferences during their residency.

Junior residents actively take part in quizzes. Residents have participated in and won national and international quizzes.

All presentations are assessed by all faculties and given scores as per proforma, which are updated 3 monthly in department notice board. After individual unit/department rotations, each PG is assessed by that unit faculty, scored as per proforma, and updated. MCQs (clinical vignettes) based exam of learned subjects at the end month of each month are being assessed.

- Geriatric Medicine

In 2020, department has started post graduate course in Geriatric Medicine with one post graduate student who joined in Jan 2020 and then 2 residents in July 2020 followed by 2 more residents in January 2021.

It is a six-semester based three-year residency programme. The department runs a special geriatric clinic thrice weekly where residents learn the art of geriatric care. There's a 6 bedded geriatric cubicle dedicated to geriatric patients.

There is a well-designed training schedule, including thesis evaluation, along with clinical and other academic teaching activities. Along with learning & practicing Good Clinical Practices they attend and present case presentations, seminars, mortality meets, and journal clubs (on rotation basis) under guidance by SRs/faculties. Junior residents are active in research and are expected to present two posters, publish two papers and participate in various conferences during their residency.

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f) Doctoral Courses

- DM Rheumatology

In 2020, we have started DM course in Rheumatology with two active senior residents in the department. Three more senior residents have joined in May 2021. The department runs a special rheumatology clinic twice weekly where residents learn the art of geriatric care. There's a 6 bedded rheumatology cubicle dedicated to rheumatology patients.

- DM Critical Care and Hospital Medicine
  We have also started totally new course in DM – Critical Care and Hospital Medicine with two seats and currently we have four senior residents pursuing this course (Joined in May 2021 and Jan 2022). The department runs a 16 bedded medicine allied ICU where senior residents learn the skills of critical care. Senior residents of the department are also posted in various subspecialities and Anaesthesia run ICU for acquiring better skills
- PDCC Geriatric Medicine
  The department has started post-doctoral certificate course in geriatric medicine in January 2019. Two residents have successfully completed the course. Department runs a special geriatric clinic thrice weekly where residents learn the art of geriatric care. There's a 6 bedded geriatric cubicle dedicated to geriatric patients.
- PDCC Diabetes and Metabolism
  The department has started Post-Doctoral certificate course in Diabetes and metabolism in January 2019. Two residents have successfully completed the course. The departments runs a special diabetes clinic twice weekly with an advanced diabetes lab.
- PDCC Lifestyle Diseases.
  The department has started PDCC course in Lifestyle diseases. This is first of its kind course that integrates ancient knowledge of indian systems of AYUSH predominantly yoga, to develop patient centered evidence based health care system. Presently one candidate is perusing the course . Aim of the course is to provide doctors that will practice integrative/holistic medicine in community using cost effective ,evidence based holistic approaches integrating best of medicine system west and east.

- PhD Course
  There aretwo PhD students presently in the department

SESSION	No. of JR (Internal Medicine)	No. of JR (Geriatric Medicine)	No. of SRs (DM Rheumatology)	No. of SRs (DM HM & CC)	No. of PhD students
JULY 2017	6 – course completed				
JAN 2018	8 – course completed				
JULY 2018	3- course completed				
JAN 2019	6- course completed				
JULY 2019	8				
JAN 2020	12	1	1		
JULY 2020	10	2	1		
JAN 2021	14	2	3	2	
JULY 2021	4				
JAN 2022	5	1	1	2	2

2. OPD Services

Due to second wave of covid-19 pandemic, OPD cases were drastically decreased during initial part of this year.

No. of consultant/Doctors	:	06
Nursing officers	:	03
Hospital Attendant	:	03
Total no. of Rooms	:	10
OPD Consultation Room	:	07
Registration room	:	01
Nursing Room	:	01
Demonstration Room	:	00
Dietician Room	:	01

OPD Timings : 8:30 AM-4:00 PM
General OPD (Registration) 8:00 AM-

12:00 PM
All the patients registered on a day are examined and prescribed treatment the same day even after the working hours.

a) Registration
All outpatients are registered in a registration counter at (revisit) OPD which functions between 8:00 am and 12:00 PM, Monday to Saturday. New patients are registered at Main registration counter. All speciality clinic registration are carried out in same manner from 9:00 AM - 4:00 PM on their respective days.

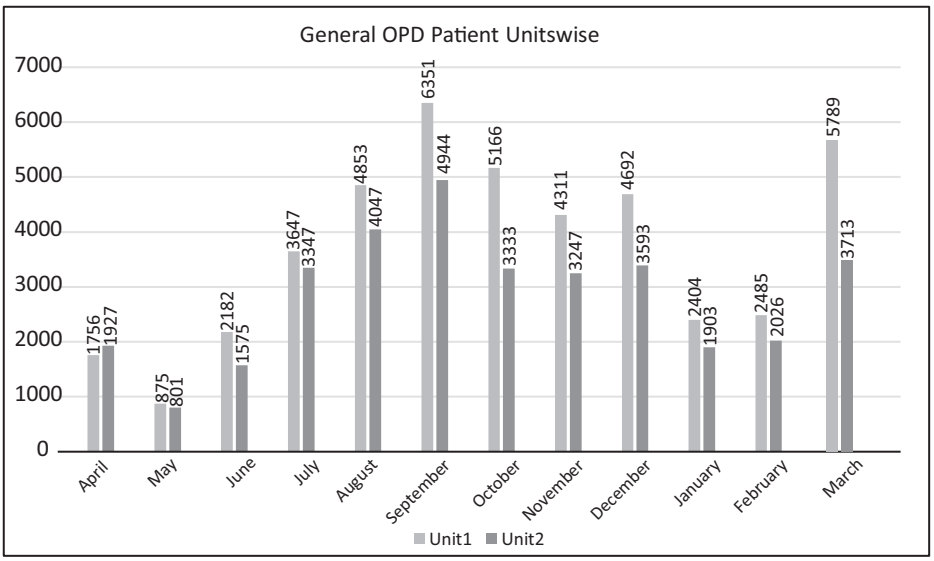
b) Facilities available
Anthropometric measurements (height, weight, BMI, Hip, Waist Circumference)
Vital sign: Pulse, Blood pressure, Temperature and other vitals monitoring.
Blood glucose charting.
Counselling about treatment plan, investigations, Health education

c) Dietary Services
The department provides dietary opinion in the OPD area by trained dieticians. Both inpatients and outpatients are provided dietary advice. This service is really helpful for patients with diabetes, hypertension, IBS, malabsorption syndromes, renal disease, liver disease and other conditions requiring specific diets.

Month wise General OPD Census w. e. f. 01/04/2021-30/03/2022

Month	Number Of Patients	
	Unit 1	Unit 2
April	1756	1927
May	875	801
June	2182	1575
July	3647	3347
August	4853	4047
September	6351	4944
October	5166	3333
November	4311	3247
December	4692	3393
January	2404	1903
February	2485	2026
March	5789	3713
Total	**44511**	**34256**
Total	**78758**	

Patient census of General OPD (Bar diagram)



OPD in open area to ensure adequate ventilation

Telemedicine Services:
The department provides telemedicine services on working days. This helps patients living in remote areas and those who can't access healthcare because of the ongoing COVID pandemic. Specialty clinics also provide their services via telemedicine. Services are available both on call and via whatsapp messages. Patient complaints are evaluated and they are advised regarding further management. This has helped reduce need for physical OPD visits.

3. IPD Services

Indoor services of the department focuses on special care to all admitted patients. Apart from general wards, we have designated areas specially for patients with special needs and for that reason patients are categorized in different groups for better outcome.

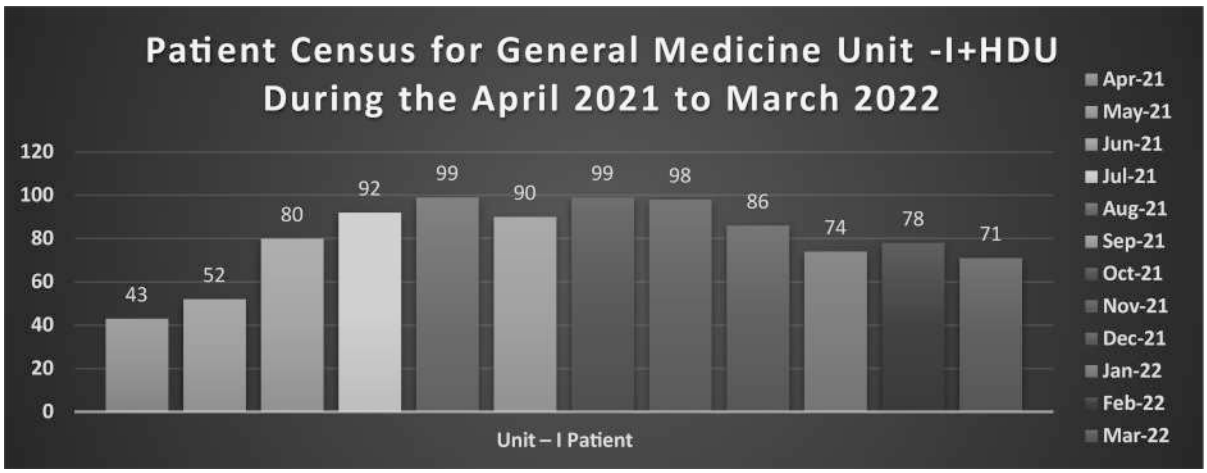
a) General Wards

General Medicine ward was set up in the year 2013 to provide in patient medicine care. A wide variety of patients are admitted in the ward. Residents evaluate and manage the patients under the guidance of faculty. Due to the COVID pandemic, IPD services services for General medicine increased as whole hospital was dedicated to COVID services and Internal medicine Department was one of the three pillars involved in patient care along with Pulmonary Medicine and Anaesthesia. Wards are subdivided into different subspeciality wards patients are admitted as per the category they belong to.

b) Geriatric care ward :Geriatric ward was set up in the department in July 2018 with the purpose to have better patient care in this group of patients. Apart from doctors taking rounds of patients, daily rounds are taken by dietician and physiotherapist to take care of other needs of this special population apart from medications

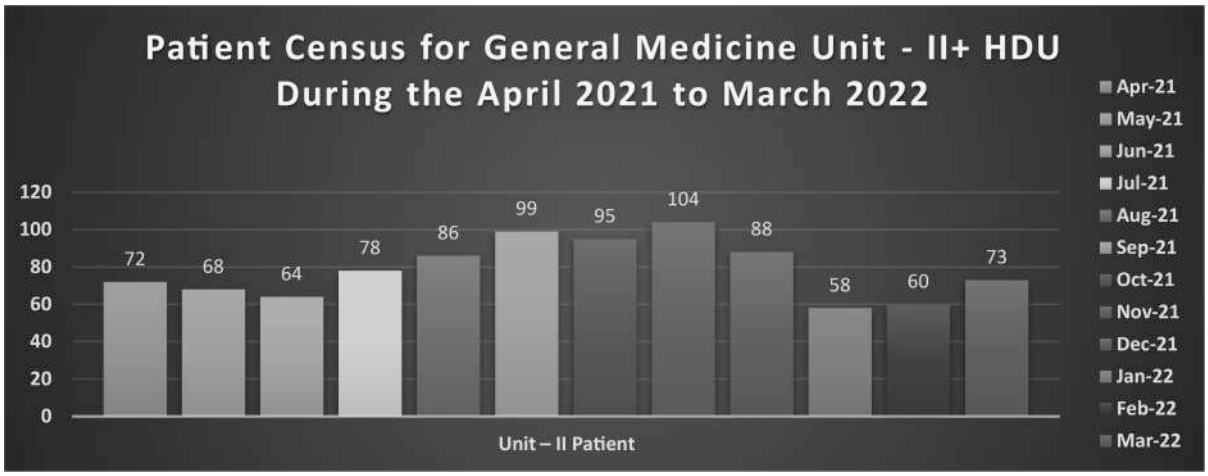
Patient Census for General Medicine Unit - I During the April 2021 to March 2022

Months	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022
Unit – I Patient	43	52	80	92	99	90	99	98	86	74	78	71



Patient Census for General Medicine Unit - II During the April 2021 to March 2022

Months	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022
Unit-II Patient	72	68	64	78	86	99	95	104	88	58	60	73

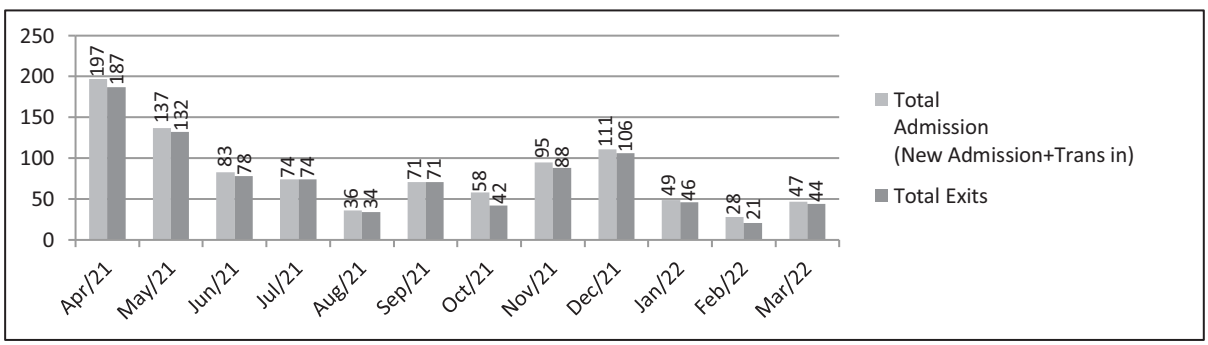


c) Adult Infectious Disease ward

Adult Infectious disease (ID) ward-cum-ICU was started in the month of January 2019 upon arrival of 1st H1N1 case in AIIMS Rishikesh for better management and curtailing infection. We are isolating all cases as per types of precautions required like contact, droplet and airborne precautions. Staff is continuously trained as how to handle ID cases. Everything in the area as per ID policies as per advocated by faculty incharge.(Dr. PK Panda)

We are isolating all cases as per type of precautions like contact, droplet and airborne precautions. Staff are being trained as how to handle ID cases. With time this ward will have highest level of tertiary care for ID cases. Since the onset of Covid pandemic, initially it has been specially converted to Covid ward. Presently it is a 15 bedded ward.

	New Admission	Transfer In	Total Admission (New Admission+Trans in)	Transfer Out	Discharged	LAMA	Death	Abscond	DOPR	Total Exits (Trans Out+Dis.+LAMA+ Death+ ABS.+DOPR)
Apr-21	181	16	197	154	11	2	19	1	0	187
May-21	89	48	137	74	23	5	30	0	0	132
Jun-21	20	63	83	37	0	8	33	0	0	78
Jul-21	13	61	74	33	9	4	28	0	0	74
Aug-21	13	23	36	9	21	1	3	0	0	34
Sep-21	54	17	71	19	44	5	1	1	1	71
Oct-21	51	7	58	13	24	2	2	1		42
Nov-21	93	2	95	41	40	3	2	2	0	88
Dec-21	108	3	111	36	65	5	0	0	0	106
Jan-22	41	8	49	11	34	1	0	0	0	46
Feb-22	17	11	28	10	9	1	1	0	0	21
Mar-22	41	6	47	7	22	2	13	0	0	44
AVG.	60.08	22.08	82.16666667	37.00	25.17	3.25	11.00	0.42	0.09	76.92424242
TOTAL	721	265	986	444	302	39	132	5	1	923



d) Diabetic and Metabolism Division

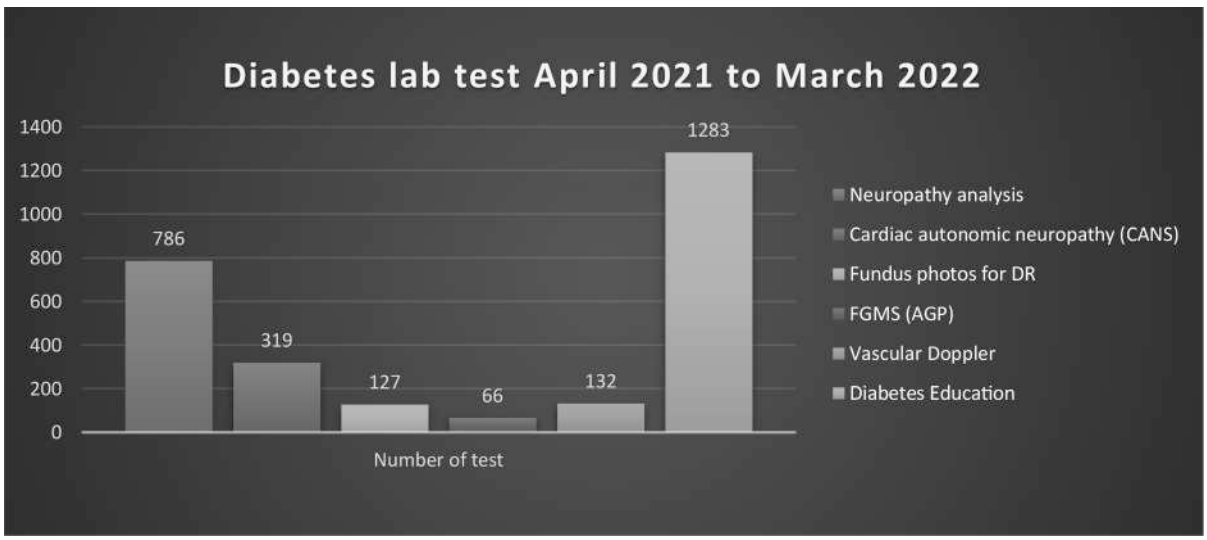
Department has established a Diabetic and Metabolic divison. Faculty incharge of the division is Dr.Ravikant. The department developed an advanced diabetes lab in the year 2019. The lab helps in the evaluation of patients with diabetes.

Instrument Procured by the division

- Peripheral Neuropathy Analyzer
- CANS – Cardiac Autonomic Neuropathy Analyzer
- Digital Fundus Camera
- HbA1c Analyzer
- Urine Micro Albumin Analyzer
- Blood Glycose Analyzer
- Blood Ketone Analyzer
- Hemo Glucose Test
- Flash Glucose Monitoring Sensor
- AGP Reader
- V Callipers
- Mini Neuropathy Analysis Kit

Diabetes Lab test April 2021 to March 2022

Test Name & Diabetes Lab Performance	Neuropathy analysis	Cardiac autonomic neuropathy (CANS)	Fundus photos for DR	FGMS (AGP)	Vascular Doppler	Diabetes Education
Number of test	786	319	127	66	132	1283



e) Medicine HDU

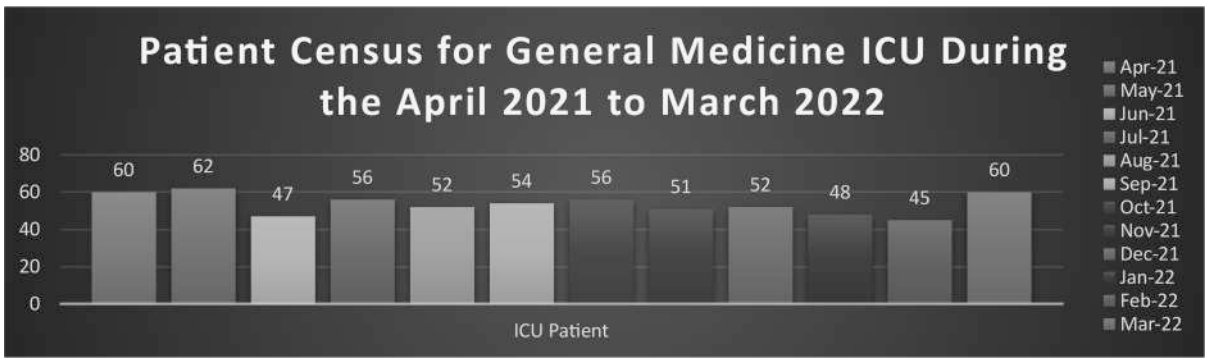
Department has developed 12 bedded High dependency Unit (HDU) where patients requiring intensive management are kept. HDU is equipped with latest non invasive ventilation support and bed side monitors. All point of care facilities are available in this critical area. Experienced staff work in this area with 1:1 patient staff ratio. Various training programmes are conducted for residents and nursing staff from time to for upgradation of knowledge and skill development.
Photo and census

f) Medicine ICU :

The 16 bedded Medicine Allied ICU is the heart of the department. The ICU is equipped with latest ventilators and bed side monitors. All point of care facilities including bedside ultrasound, blood gas analysis, arterial blood pressure monitoring, bedside bronchoscopy, central line, bedside pig tail and ICD insertion are available. Residents learn the art of critical care management under guidance of SRs and faculty. The ICU is run in collaboration with pulmonary medicine department. The ICU provides critical care facilities to patients from other departments also.

Patient Census for General Medicine ICU During the April 2021 to March 2022

Months	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022
ICU Patient	60	62	47	56	52	54	56	51	52	48	45	60

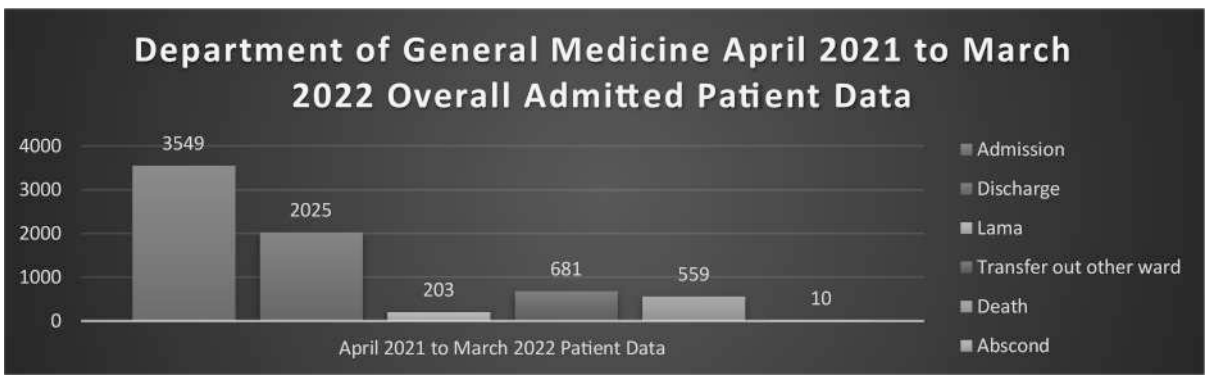


g) Immunology Ward

We have developed a six bedded Immunology ward where patients are admitted for evaluation and management. Extensive work up and evaluation is done by a team of residents under the guidance of faculty. Patients receive immunotherapy including biological therapy as indicated.

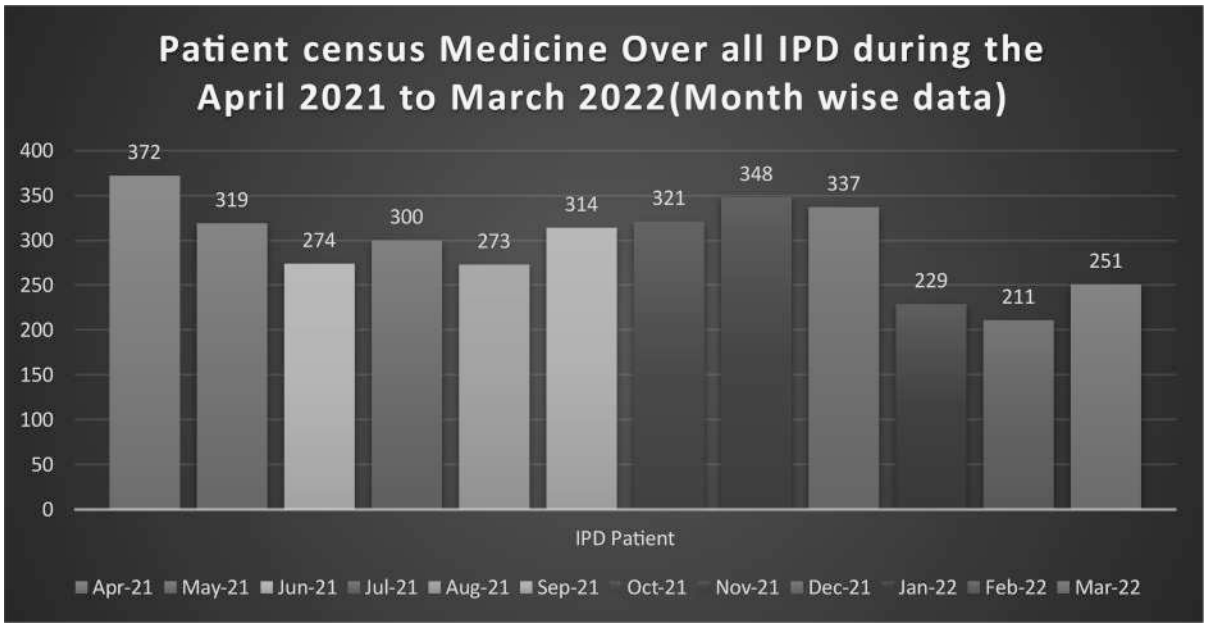
Department of General Medicine April 2021 to March 2022 Overall Admitted Patient Data

Annual Report	Admission	Discharge	Lama	Transfer out other ward	Death	Abscond
April 2021 to March 2022 Patient Data	3549	2025	203	681	559	10



Patient Census for General Medicine Over all IPD During the April 2021 to March 2022(Monthly wise data)

Months	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022
IPD Patient	372	319	274	300	273	314	321	348	337	229	211	251



h) Major Pandemic – SARS-2 Covid-19:
The novel Covid-19 pandemic marked our lives in an indelible way, changing the reality we were used to. It affected negatively the educational training for all students worldwide; Given the social distancing recommendations, the Coronavirus emergency has led to significant modification within hospitals, such as limiting the presence of residents who are on duty and cancelling lectures and educational conferences to adhere to social distancing recommendations. Regarding teaching, in-person academic activities, including face-to-face teaching, and simulation laboratories have been interrupted, along with an interruption of the clinical rotation within the different areas of the same institution. The current pandemic emergency has imposed significant loads on universities and hospitals to promote continued safety, education, and quality patient care. Even though we post our residents appropriately in the covid and non-covid area.

4. Diagnostic services

a) Autonomic lab which is used for patient care and research purposes.

b) POCT USG/Echo machine.

c) Immune assay analyser in intensive areas for point of care testing.

d) ABG machine in Critical care area.

5. Special Clinics

Special clinic Room:

Diabetes clinic	:	01
Rheumatology	:	01
Fever clinic	:	01
Geriatric clinic	:	01
Life style Disease clinic	:	01
ART clinic	:	01

Medicine Department conducts Routine OPD on all the 6 days of the week.

It also runs a series of specialized clinics with an objective to provide specialized care to the patients. Following services are offered in speciality clinics:

a) Geriatric clinic – comprehensive geriatric assessment and care (ADL, frailty assessment, up and go test, geriatric depression scale, HMSE, etc.)

b) Diabetic clinic – comprehensive diabetic assessment and care (digital fundus examination, neuropathy screening, CGMS, Doppler, etc.)

c) Lifestyle clinic – comprehensive management of lifestyle disease (dietary advice, diet chart, focus on physical activity training)

d) Rheumatology and Immunology clinic – management of immunological diseases

e) Fever clinic – management of febrile illness with focus on infectious disease

f) ART clinic – counselling, post exposure prophylaxis, CD4 testing, starting and follow up of ART patients

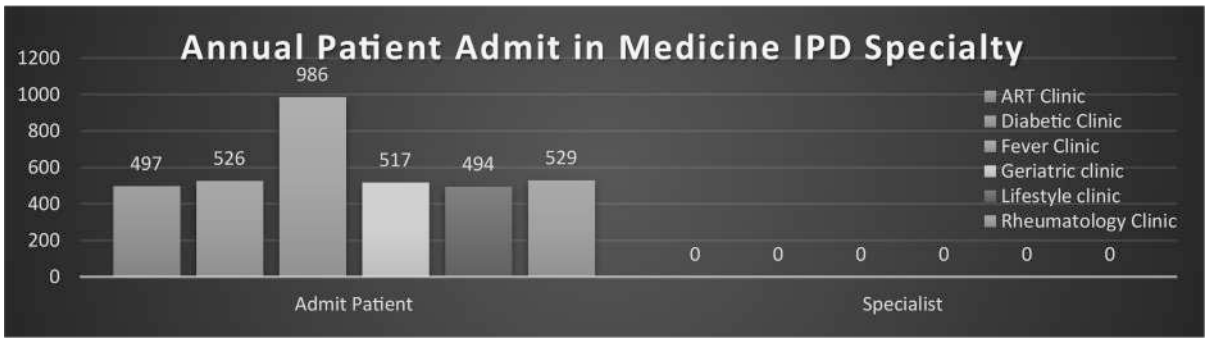
Special Clinic Registration: 9.00AM – 4.00 PM

Special Clinic Wise patient Details w.e.f. 01/04/2021 to 30/03/2022

Month/Clinic	ART Clinic	Diabetes Clinic	Fever Clinic	Geriatric Clinic	LD Clinic	Rheumatology Clinic
April	140	97	1	15	16	70
May	93	6	0	4	3	2
June	143	52	2	7	4	58
July	218	188	2	49	7	211
August	255	319	13	96	16	309
September	237	379	30	105	59	290
October	238	354	31	181	34	202
November	207	396	24	253	38	270
December	187	436	31	153	36	299
January	165	157	15	59	14	163
February	148	175	17	79	21	145
March	210	442	36	573	60	330
Total	**2241**	**3001**	**202**	**1574**	**308**	**2349**

Annual Patient Admitted from Medicine Specialty Clinic

Different Clinic	ART Clinic	Diabetic Clinic	Fever Clinic	Geriatric Clinic	Lifestyle clinic	Rheumatology clinic
Admit Patient	497	526	986	517	494	529
Specialist	Dr. Mukesh Bairwa	Dr. Ravi Kant	Dr. Prasan Kumar Panda	Dr. Minakshi Dhar	Dr. Monika Pathania	Dr. Venkatesh S Pai



6. Health awareness/ educational activities organized by department

The department has provided telemedicine and covid care centre services in collaboration with non governmental organisations (national medicos organisation). Other activities done are:

a) Class on CVP Line Care on 17-06-2021 By Mr. Mahesh G Devasthale (SNO ICU, AIIMSR) for NO.

b) Class on Hospital Acquired Infections (HAI) on 25-06-2021 by Mr. Yirija (SNO ICU, AIIMSR) for NO.

c) Class on Defibrillator and Ventilator on 05-07-2021 by Mr. Vishwash (NO ICU, AIIMSR) & Mr. Prabhu (NO ICU, AIIMSR) for NO.

d) Class on Spill kit & its use on 12-07-2021 by Ms. Anita (NO ICU, AIIMSR) & Mr. Shivam (NO ICU, AIIMSR) for NO.

e) Class on Documentation, Patient File & on Patient Handover on 16-07-2021 by Mr. Vishwash for NO.

f) Class on ABG &Ryles Tube Insertion & care if it on 21-07-2021by Ms. Jaya (NO ICU, AIIMSR) for NO.

g) Class on Hand Hygiene, bedside care & errors happening bedside on 22-07-2021 by Mr. Ankit (NO ICU, AIIMSR) for NO and HA.

h) Class on Body care including Eye care, Oral Care, Foley Care, Back Care etc. On 29-07-2021 by Mr. Vishwash for NO.

i) Class on Standard Precaution & Universal precaution on 01-08-2022 by Mr. Prabhu (NO ICU, AIIMSR) for NO.

j) Class on Amphotericin liposomal Fungisome® (F) on 16-09-2021 by Ms. Komal (Product & Business Manager, Life care) for NO & Residents.

k) Class on Hand Hygiene, Body Care, Environmental Hygiene & disinfection on 02-11-2021 by Mr. Girraj Saini (SNO, AIIMSR) for NO & HA.

l) Class on Spill kit Protocols on 08-11-2021 by Ms. Anita (NO ICU AIIMSR) for NO & HA.

m) Class on Needle Stick Injury on 14-11-2021 by Mr. Prabhu (NO ICU AIIMSR) for NO & HA.

n) Class on Standard Precaution & Transmission based Precaution on 11-03-202 Conducted by Dr.Bimlesh Yadav &Pooja(NO), Demonstrated by Pooja (NO AIIMSR) & Simi (NO AIIMSR) for NO & Residents.

o) Class on Biomedical Waste Management on 24-03-2022 Conducted & demonstrated by Mr. ShivamNautiyal (NO ICU AIIMSR) for NO & HA.

p) Class on Documentation including Pt. Admission/Discharge, Comprehensive Nursing Chart & ISBAR Format by Mr. Abhishek (NO ICU AIIMSR)& Mr. Anil Kumar (NO ICU AIIMSR) on 03-03-2022 for NO.

q) Class on Spill Kit & its Management & Documentation on 10-03-2022 Conducted by Mr. ShivamNautiyal (NO ICU AIIMSR) for NO & HA.

r) Class on Discarded Biomedical Waste Management on 24-03-2022 Conducted & demonstrated by Mr. ShivamNautiyal (NO ICU AIIMSR) for NO, HA & HK.

7. CME/ workshop/ conference/training organized by department

a) Annual conference of Uttarakhand chapter of CARDIABCON, Uttarakhand CARDIABCON organised on hybrid mode in collaboration with Cardio-Diabetes society. "Care of Cardio Dibetic Disorders in Co morbid Conditions" on 25th- 26th Nov 2021.

b) Mid Term -CME organised by UKRSSDI and Department of Internal Medicine," Chalanges in Diabetes care" on 1stmay 2022.

8. New initiative of department

Activity Quality initiatives taken by the department of medicine

I. Inputs Standard operating protocols for working of OPD, IPD, HDU, Infectious Disease ward, Immunology ward and Dialysis framed.

Process All Doctors & other staff were apprised.

Outcomei.Patient's waiting time reduced in OPD

ii. Patient's flow in OPD improved

iii. Inflow and outflow in IPD streamlined

iv. Overall patient medical care & workup of patients started improving.

- PBL and OSCE based assessment has been adopted by department for undergraduate and post graduate teaching.
- Department is actively involved in integrated teaching with all departments.
- Seminars & Symposiums by students to improve their subject knowledge s well as communication skills.
- Case studies & Group discussions.
- Quiz: department organizes rheumatology quiz annually for making learning an interactive experience for undergraduate students.

9. Other activities/achievement by Department

a) Actively involved in framing of institute protocol for management of Covid-19

b) Covid CCU and HDU run along with Anaethesiateam and Pulmonary medicine department

c) Two junior residents, Dr Arnav Kalra and Dr Kavya Rolanki participated and were selected for the American College of Physicians Doctors Dilemma Internal Medicine quiz.

10. Future plans of department

In the field of medical education the department plans to start these short courses:

a) Workshop for RMOs, GPs for management of Acute Emergencies

b) Becoming a Medical educator course.

c) ACLS training center.

In the field of patient care:

a) Improving the quality and satisfaction of patient care by understanding population and patient medical health care needs and developing quality and sustainable medical care delivery models.

b) In order to meet our commitment of tertiary care center we are in process of developing a state of art Critical care unit in the form of Medical Intensive care unit which will take care of all patients requiring Medical ICU.

c) Geriatric division has already started working for geriatric patient care. Further plan is to start more specialized clinics for this vulnerable population.

- Comprehensive Geriatric Care Center
- Hypertensive Clinic for Elderly
- Stroke Clinic
- Pain clinic

d) Rheumatology clinic is running and catering to lot of patients. Further plan is to start more specialized clinics. There will be dedicated clinics for

- SLE clinic
- Spondyloarthritis clinic
- Pediatric Rheumatology clinic
- Scleroderma Clinic

e) Lifestyles related diseases disease clinic is running and purpose is to promote research in exploring a holistic approach to find a solution to lifestyle diseases. Establish a center for Stress management and wellness for students and employees with multidisciplinary collaboration.

f) To extend the already running diabetic clinic

- Separate clinic for Insulin Dependent Diabetic patients.
- Diabetic Foot Care Clinic.
- Clinic for Diabetic Pregnant mothers.

II) Faculty activities

Dr. Minakshi Dhar
Additional Professor & HOD
Faculty I/C: Geriatric Medicine & Hospital Medicine & Critical Care

1. Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) As a Faculty at the 'Endocrine Society of India – Geriatric Endocrine webinar' on June 10th, 2021

b) As a speaker in API Mumbai Webinar on 2nd July 2021

c) As a speaker in ACP India Case files held from 25th July 2021 Tripur

d) AS speaker in ESI 3rd Geriatric Webinar on 21st August, 2021

e) As a faculty in 5th international Diabetes Conclave on 3rd-5th Sept 2021

f) As speaker in CME organized by AIIMS Bathinda on Dementia on 21st Sept 2021

g) As a speaker in "Project Nev", CDS Certificate course on 2nd Oct 2021 at AIIMS Rishikesh

h) As chairperson in 1st South Asian Steering Committee Meeting on "Geriatric Diabetes" on 3rd October 2021

i) As penalist in Adult immunization held by API Navi Mumbai on 25th Feb 2021.

j) As a speaker for the ECHO Vaccines webinar as a part of ECHO series which we will be conducting during the World Immunization Week on 27th April,2022

k) Resource person Basic & Advanced Life Support trainings being regularly held in MEC for staff, residents and faculty of AIIMS Rishikesh.

l) As a Reviewer of many indexed journals.

2. Awards & honours received

a) Awarded as Fellow of American college of Physicians

b) Awarded the Fellowship of Associations of Physicians of India

c) Certificate of appreciation 2021 on the occasion of Doctor's Day by the Director and CEO AIIIM Rishikesh.

d) Invited as an Expert in interview at other government organizations

e) Invited as an Examiner in various graduate and post graduate examinations

f) Reviewer of Thesis of many post graduate and doctoral students.

g) Editorial team member for Journal of Indian Academy of Geriatrics

h) Editorial team member for Journal of

Association of Physicians of Indian

Dr. Ravi Kant
Additional Professor
Faculty I/C: Division of Diabetes & Metabolism

1. **Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Delivered lecture on Testosterone in clinical use in IMA AMS NZ Conference 21 November 2021.

b) Delivered Lecture on Time in range : use of CGMS in clinical practice.

c) Judged for Young investigator award in 16th Asian-Pacific Congress of Hypertension (APCH 2021) held in New Delhi, India, 24th-28th November 2021.

d) Invited for guest lecture in World congress on Chronomedicine (WCC 2021) conference held in hybrid mode *(Physically & Virtually) on 17th-19th December 2021 in Noida (Uttar Pradesh) India.

e) Invited as speaker on topic "Erectile dysfunction in diabetes", 6th International Annual Conference, under the aegis of UDAAN, SEADFCON 4th-5th December 2021.

f) Invited as Chairperson in 6th International Annual Conference, under the aegis of UDAAN, SEADFCON 4th-5th December 2021.

2. **Awards & honours received**
Nomination received. : MSc (Diabetes & Endocrinology) , Queen Mary University ,London

Dr. Monika Pathania
Associate Professor
Faculty I/C: Lifestyle diseases

1. **Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panelist / Quiz Master)**

a) Instructor Preparedness for COVID-19–ECG Trainings

b) Resource person for Research methodology training programme for post graduate students , AIIMS Rishikesh

c) Resource person Basic life support trainings being regularly held in MEC for staff, residents and faculty of AIIMS Rishikesh.

d) Panelist CARDIABCON 2021

e) Invited speaker to AMSA, Clinical case solving

Dr. Venkatesh S. Pai
Associate Professor
Faculty I/C: Clinical Immunology & Rheumatology

1. **Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Attended an online workshop on Advanced Teaching Skills, June 4-5, 2021 conducted by Harvard Medical School.

b) Attended the online National Rheumatology Conference – IRACON 2021 between Dec 4-12, 2021.

c) Attended the online ACR Convergence Conference 2021.

d) Faculty for "Preparedness for COVID-19 – ECG training workshops" in the Institute.

e) Faculty in Research Methodology Teaching Program in AIIMS, Rishikesh.

f) Reviewer of Thesis of many post graduate and doctoral students.

2. **Awards & honours received**

Best teacher award for the 3rd Consecutive Year

Dr. P K Panda
Associate Professor
Faculty I/C – Division of Infectious diseases

1. **Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Resource person to talk on various teaching classes on COVID 19 and Antimicrobial stewardship-doctors/nurses ID (PEAK) meets in AIIMS Rishikesh on regular basis (Thursday 3-4PM) in whole year

b) Resource person to talk about Special Program on COVID 19 in All India Radio (India) Channel at 29/04/2021

c) Talk on Faculty Guidance (Webinar)

session on Covid-19 on End of life care in COVID at 06/05/2021

d) Talk on Faculty Guidance (Webinar) session on Covid-19 on COVID management for HCW and patient at 08/05/2021

e) ePoster presentation in 11th International Congress of Internal Medicine (ICIM) on Normal mean oral temperature is lower compared to traditional defined one at 06/07/2021

f) Resource person for TOT program for Critical care of COVID 19 patients at 16/08/2021

g) Resource person for Research Methodology Workshopon Sensitization workshop on research challenges during pandemic at 25/08/2021

h) Quiz master on 11th Annual Conference of Clinical Infectious Disease Society of India (CIDSCON) at 27/08/2021

i) Integrated teaching Programme on COVID symptomatology and management at 01/09/2021

j) Quiz master on 5th HIC Advance national workshop, JIPMER, Puducherry at 02/10/2021

k) Resource person for World Antibiotic Antimicrobial) Awareness Week events at 17-23/11/2021

l) Resource person for 3rd National Conference on Antimicrobial Stewardship Practices in India (ASPICON) at 3-4/12/2021

m) Resource person for Clinical audit on Six months' Patient care status of Dept at 09/03/2022

n) Resource person for 1st IPR Foundation course on Copyrights at 30/03/2022

2. Awards & honours received

a) Member of Subject Expert Committees in Central Drugs Standard Control Organisation (CDSCO), GOI

b) Member of Technical committee for World Bank Project, Healthcare Sector Skill Council (HSSC), GOI

c) Expert for National Meritorious Invention Awards 2022-23, Technology Development, Validation and Commercialization (TDVC) Program, National Research Development Corporation (NRDC), DSIR, GOI

d) Member and sharing international platform on behalf of institute in The Global Health Network (ISARIC), Oxford university, UK

e) Reviewer in few important journals like WHO Bulletin (2018- present), Plos One (2019- present), Journal of Medical Evidence (2020-present), IETE Technical Review (2020-2022), American Journal of Infectious Diseases (2021-present), Therapeutics and Clinical Risk Management (2021-present), American Journal of Pharmacology and Toxicology (2022-present),and BMJ Case Report (2021-2022)

Dr. Mukesh Chand Bairwa
Associate Professor
Faculty I/C: ART Clinic

1. Participated CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Judged a session on paper presentation in CME organized by cardio-diabetes society

a. In association with ACP and Department of Medicine AIIMS Rishikesh ,On digital platform -29-30th January 2021

b) Worked as Scientific secretary in CME organized by cardio-diabetes society In association with ACP ,On digital platform - 29-30 January 2021

c) Judged a session on paper presentation in one day symposium on cardiabesity in Elderly, on

a. 27th March 2021

d) Chaired a session in 5th SEADFCON-2021 on 19th September 2020

e) Program co –coordinator for guest lecture on abnormal liver function test organized by cardio-diabetic society of India on 19th February 2021

f) Speaker topic :- Webinar Corona awareness in community organized by community task force of AIIMS Rishikesh

g) Speaker;- COVID community awareness webinar organized by Rotary club Rishikesh with

a. AIIMS Rishikesh

h) Speaker in faculty Panel Question and Answer (Webinar) for management of COVID-19 organized by AIIMS Rishikesh

i) Lecture on rhythm management in patients of COVID-19 for training of Junior and senior residents of AIIMS Rishikesh

j) HIV management class room training organized by NACO and SAATHII at Lucknow 18th -21st January 2021

2. Awards & honours received

a) Appreciation award 2021 to serving in COVID 19 crisis by Medical Superintendent AIIMS Rishikesh

DEPARTMENT OF GASTROENTEROLOGY





8.18 GASTROENTEROLOGY

To establish a centre of excellence in Gastroenterology & Hepatology in Uttarakhand & adjoining states, for evidence-based, state-of-art, individualized care for all gastrointestinal and liver diseases in adult patients, plus a nodal centre for advanced teaching, training & research in Gastroenterology &Hepatology .

Mission :

a) To provide comprehensive, multi-disciplinary, highest quality tertiary care to Gastroenterology & Hepatology patients attending AIIMS Rishikesh from the state of Uttarakhand & other parts of India. This encompasses patient-oriented curative, palliative, preventive & supportive care services at the lowest possible costs, for the benefit of patients across entire socioeconomic spectrum.

b) To conduct high-quality scientific research in Gastroenterology & Hepatology in collaboration with national & international centres of excellence, with special emphasis on developing novel diagnostic tests, prognostic markers & treatment protocols which are adapted to & affordable in the Indian context.

c) Training of healthcare professionals in the super-specialty of Gastroenterology & Hepatology, for dissemination of knowledge & expertise. The department is currently running the D.M. Gastroenterology post-doctoral course since July 2018. The departmental Board of Studies includes experts from renowned national & international institutions.

d) To conduct good quality clinical trials in Gastroenterology & Hepatology in accordance with GCP guidelines.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr Rohit Gupta	Additional Professor
2	Dr Itish Patnaik	Assistant Professor
3	DR Anand Sharma	Assistant Professor

I) Departmental activities

1. Academic

DM Gastroenterology training – The department currently has six DM trainees who undergo rigorous training in all aspects of gastroenterology, hepatology and endoscopy . The trainees are posted in OPD, IPD and endoscopy for clinical training. The trainees routinely present seminars, journal club and cases for discussion. The department organises combined academic activity with other departments like radiology and pathology.

MD Medicine

Postgraduate residents from Dept of Medicine are regularly posted in Dept of Gastroenterolgy. The residents get clinical training in IPD and opd and regularly present cases and seminars .

MBBS

MBBS students are posted in Dept of Gastroenterolgy on regular basis where they are exposed to different cases involving gastroenterology and hepatology.

2. OPD Services

a) **OPD Days-** Monday, Wednesday, Friday

b) **Average no of Patient in OPD-** approx. 500 patients per week

c) **Special Clinic -** Liver Clinic on Tuesday 2:00pm to 4:00pm – 50-60 patients per week

3. IPD Services

a) Currently Dept of Gastroenterology has 20 beds Gastroenterology ward which also includes 4 bed HDU.

b) Dept of Gastroenterology also has 4 beds Day care unit where endoscopy patients after procedure are admitted for observation and treatment.

4. Health awareness / educational activities organized by department

Dept. of Gastroenterology in collaboration with Dept. of community and family

Medicine and Microbiology department regularly conducts both online and offline training of medical officers and physicians of state of Uttarakahand on management of viral hepatitis under national viral hepatitis control program.

5. New initiative of department

a) 1-Diagnostic Endoscopic Ultrasound Services

b) 2.-Endoscopic Ultrasound guided fine needle biopsy

c) Endoscopic Ultrasound guided Cystogastrostomy

d) Endoscopic Ultrasound guided Celiac plexus block and Neurolysis

e) Endoscopic Ultrasound guided Biliary drainage

f) Endoscopic Ultrasound guided Gastric variceal glue and thrombin injection

g) Endoscopic Ultrasound guided Liver biopsy

h) Endoscopic Ultrasound guided through the needle biopsy of pancreatic cysts

i) Endoscopic Ultrasound guided staging of GI and non-GI malignancies

j) Over the scope clip placement and fistula closure

k) USG guided percutaneous liver biopsy

l) Mechanical Lithotripter for Large bile duct stone

6. Future plan

a) To provide liver transplant facility

b) To provide fecal microbiota transplantation (FMT)

c) To provide High resolution manometry and 24-hour pH metry with impedance services.

d) To begin Bariatric endoscopic procedures and endoscopic suturing

e) To begin pancreas-biliary disease clinic.

f) To begin Luminal and inflammatory bowel disease clinic

II) Faculty activities

Dr Rohit Gupta
Additional Proffesor

1. **National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Guest lecture on NAFLD on the occasion of World liver day – 19th April – College of nursing @ AIIMS Rishikesh

b) Guest lecture on NAFLD organised by ILBS New Delhi - Population level strategies for prevention, 20th July 2021

c) Guest lecture on occasion of World Hepatitis day 28th July organized by NHM Uttarakhand

d) Guest lecture on occasion of World Hepatitis day 28th July BY NVHCP Kerala

e) Resource person for training of physicians under NVHCP Training held at AIIMS Rishikesh – 17-19 August

f) Panelist in a meeting organised by Dept of Gastroenterology Sir Ganga ram Hospital on Alcoholic Hepatitis12/9/21

g) Resource person for Gastroenterology Young Masters organized by Indian Society of Gastroenterology @ New Delhi– 8-10 OCT 21

h) Guest lecture on H PYLORI organised by Dept of Gstroenterology PGI Chandigarh – 15/10/21

i) Guest lecture in the conference; CARE OF CARDIO -DIABETIC DISORDERS IN COMORBID CONDITIONS-held on 25th – 26th November 2021, organized by Department of General Medicine, AIIMS Rishikesh.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Panellist in a meeting organised by Bangladesh Liver Foundation on occasion of Bangbandhu International NASH day – 10th june , Dhaka

b) Panelist Euroasian Gastro Society – 7/11/

Dr. Itish Patnaik
Assistant Professor

1. **National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Participated as a CHAIR PERSON in the conference; CARE OF CARDIO - DIABETIC DISORDERS IN COMORBID CONDITIONS-held on 25th – 26th

November 2021, organized by Department of General Medicine, AIIMS Rishikesh.

Dr Anand Sharma
Asst. Professor

1. **National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Submitted Poster in national conference of ISG, 2022

b) Participated as faculty in capacity building workshop under NVHCP



DEPARTMENT OF MEDICAL ONCOLOGY HAEMATOLOGY









8.19 MEDICAL ONCOLOGY HAEMATOLOGY

Department of Medical Oncology Haematology, AIIMS Rishikesh started functioning on 29th February 2016. Since its inception, the department is dedicated to provide tertiary level diagnostic, therapeutic & preventive care to oncology & haematology patients through OPD, IPD, Day Care & special clinics. We are running post-doctoral courses in DM Clinical Haematology (since January 2018) & DM Medical Oncology (since January 2019), in addition to regular participation in postgraduate & undergraduate teaching activities. Department is also mentoring post-doctoral fellow of the prestigious Ramalingaswami Fellowship of Department of Biotechnology (DBT). To date, the department has received 6 extramural research grants from renowned national & international funding agencies namely American Society of Hematology, ICMR, SERB & UCOST, in addition to several ongoing intramural research projects. The department also has three industry-sponsored multicentric clinical trials, including two global clinical trials. The departmental has started hematopoietic stem cell transplantation (BMT) services at AIIMS Rishikesh since November 2019. Also the dept has been selected as one of only 6 centres for Network of Oncology Clinical Trials India (NOCI) through BIRAC grant of Govt. of India. The faculty & residents of the department had been very actively involved in management of COVID-19 patients at AIIMS Rishikesh throughout the current COVID-19 pandemic. Ex DM residents who have passed out from department are at present working as faculty/consultants at other institutes of national importance & renowned cancer centres of India, which is a proud achievement for AIIMS Rishikesh.

Mission:

- Provide highest quality, tertiary level medical oncology & haematology services to patients attending AIIMS Rishikesh.
- Teaching: undergraduate, postgraduate & post-doctoral courses.
- Mentoring of PhD scholars & post-doctoral fellows.
- Training of doctors & nurses, with the aim of capacity building.
- Advanced research in oncology & haematology.
- Clinical trials, including industry-sponsored global multicentric trials.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr.Uttam Kumar Nath	Professor & HOD
2	Dr. Amit Sehrawat	Assistant Professor
3	Dr. Deepak Sundriyal	Assistant Professor
4	Dr. Gaurav Dhingra	Assistant Professor

I) Departmental activities :

1. Academic

a) Undergraduate

- Online & offline Lecture classes & Integrated teaching classes for MBBS students.
- Clinical Classes for MBBS students.

b) Postgraduate

- Teaching & clinical training of D.M. (Clinical Haematology) course: Course started in January 2018 session. Regular departmental seminars, journal clubs & case presentations.
- Teaching & clinical training of D.M. (Medical Oncology) course: Course started in January 2019 session. Regular departmental seminars, journal clubs & case presentations.
- Teaching of MD (Medicine), MD (Pediatrics), MD (Radiotherapy), MD (Transfusion Medicine), MCh (Surgical Oncology), &MCh (Gynaecologic Oncology) residents during clinical rotation training in Medical Oncology & Clinical Haematology.
- Clinical teaching & lectures for nursing students and nursing officers.

2. OPD Services

Number of OPD Patients-14415

- Haematology OPD- 7412
- Medical Oncology OPD- 7003

OPD Schedule:

OPD	Days	Faculty Name
Haematology	Monday, Tuesday	Dr.Uttam Kumar Nath
	Thursday	Dr. Gaurav Dhingra
Medical Oncology	Monday, Thursday	Dr. Deepak Sundriyal
	Tuesday, Friday	Dr. Amit Sehrawat

3. IPD Services & Day Care Services:

Total IPD Admissions- 903

- Haematology- 377
- Medical Oncology- 526

Total Day Care Chemotherapy Admissions-6614

- Haematology- 3220
- Medical Oncology- 3394

4. Major/Minor OT Services:

a) Bone marrow aspiration & biopsy procedures performed in IPD for adult &pediatric patients for diagnosis & treatment response monitoring of haematological disorders.

b) Intrathecal chemotherapy administered in IPD & Day Care.

5. Special Clinics:

Special Clinic	Days	Faculty Name
Geriatric Oncology Clinic	Wednesday	Dr. Deepak Sundriyal
Leukemia& MPN Clinic	Wednesday	Dr. Uttam Kumar Nath
Lymphoma & Myeloma Clinic	Friday	Dr. Gaurav Dhingra
Lung Cancer Clinic (with Department of Pulmonary Medicine & Surgical Oncology)	Tuesday	Dr. Amit Sehrawat / Dr. Deepak Sundriyal
Preventive Oncology Clinic (with Department of Radiation Oncology & Surgical Oncology)	Thursday	Dr. Amit Sehrawat / Dr. Deepak Sundriyal

6. Health awareness/ educational activities organized by department

a) Organised 'Colon Cancer Awareness Month-2022' in March 2022. Weekly awareness talks to the general public were held by Medical Oncology faculty in OPD.

b) Dr Amit Sehrawat delivered a talk on 'Prostate Cancer Awareness' in a virtual webinar at CIPET Dehradun on 31 July 2021.

7. CME/ workshop/ conference/training organized by department

a) Conducted Cancer Day Care Unit Training for NHM Uttarakhand Medical Officers & Nurses.

b) Oncology Nurses Training on Chemotherapy Extravasation Management and Basics of Cancer, 23 March 2022 by Dr Amit Sehrawat.

8. New initiative of department

a) Started phase 2 global clinical trial 'A Phase 2 Study of the Hepcidin Mimetic PTG-300 in Patients with Phlebotomy-Requiring Polycythemia Vera'.

b) Started phase 3 global clinical trial 'Study to Evaluate the Efficacy and Safety of Subcutaneous Marzeptacog Alfa (Activated) For On-Demand Treatment and Control of Bleeding Episodes in Subjects with Hemophilia A or Hemophilia B, with Inhibitors: The Crimson 1 Study'.

c) Started FDA regulatory Phase-2 oncology drug trial for platinum resistant, refractory ovarian cancer patients.

d) Signed MOU with CanKids to facilitate cancer care for pediatric oncology patients at AIIMS Rishikesh.

e) Geriatric Oncology Special Clinic has been started by Dr Deepak Sundriyal (every Wednesday).

9. Other activities / achievement by Department

a) Dr. Uttam Kumar Nath received UCOST Research Grant of Rs 10.4 Lakhs as Co-PI for research project titled 'Study to explore aldehyde dehydrogenase activity in comparison with variable region of the immunoglobulin heavy chain (IGHV) gene mutation in Chronic Lymphocytic Leukemia' – 2022.

b) Dr Deepak Sundriyal received ICMR Research Grant of Rs 20.5 Lakhs as PI for research project titled 'Proteomic profiling of treatment naïve multiple myeloma patients and its correlation with clinicopathological parameters & chemo-resistance' - December 2021 (Guide & Co-PI: Dr.Uttam Kumar Nath).

c) Dr. Deepak Sundriyal conducted an extramural research survey "A situational analysis of childhood cancer care services in India' under Indian Council of Medical Research (ICMR): National Centre for Disease Informatics and Research (NCDIR), Bengaluru. (2021).

10. Future plan

a) To set up a state-of-art BMT Unit & augment Hematopoietic stem cell transplantation services at AIIMS Rishikesh.

b) To conduct more industry-sponsored & investigator-initiated, multicentric clinical trials at AIIMS Rishikesh (Dept already has been selected for three global multicentric clinical trials since 2020).

c) To conduct advanced research in oncology &hematology and apply for extramural research grants.

II) Faculty activities:

Dr. Uttam Kumar Nath
Professor & HOD

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Invited as Member of the prestigious Scientific Committee of HAEMATOCON 2021, 62nd Annual Conference of Indian Society of Hematology& Transfusion Medicine (ISHBT), 10-13 November 2021.

b) Invited faculty & Guest Speaker at HAEMATOCON 2021, 62nd Annual Conference of Indian Society of Hematology& Transfusion Medicine (ISHBT). Delivered talk on "Treatment of Newly diagnosed CLL" on 11th November 2021.

c) Coordinator & Trainer for Cancer Day Care Unit Training of medical officers & nurses at AIIMS Rishikesh, jointly organized with State Training Cell, NHM Uttarakhand (Nov – Dec 2021).

d) Master trainer for Blood Cell of National Health Mission (NHM), Uttarakhand – For training & capacity building of medical officers for diagnosis & management of thalassemias, hemoglobinopathies &hemophilia.

e) Organizer & Quizmaster for the ISHBT National Hematology Postgraduate Quiz 2021 (central zone level, Uttarakhand state level & college level).

f) Invited as Panelist in Panel Discussion on "Remission in ITP with TPO Agonists" organized by Mumbai Hematology Group, 10 march 2022.

g) Guest lecture on "Emergencies in Hematology&Hemato-oncology" at the Conference "Current Practices in Emergency Medicine" on 8-9 December, 2021 at AIIMS Rishikesh.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Invited Faculty: Panelist in Panel Discussion on 'Extramedullary disease in Multiple Myeloma' at the international conference 'Indian Myeloma Congress' 2021.

3. Awards & honours received

a) American Society of Hematology (ASH) Global Research Award as Mentor of research project 'Identification of molecular therapeutic target leading to development of chemo-resistance in non-GC DLBCL patients in India'.

b) Examinership of National Board of Examinations for DNB (Hematology) Practical Examination, April 2021.

c) Thesis evaluation of National Board of Examinations for DNB (Hematology) course.

d) DNB Hematology FAT answer script evaluation 2021 for National Board of Examinations.

Dr. Amit Sehrawat
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Participated as an Invited Faculty to a Virtual Conference: Oncology Updates from Bench to Bedside, 21-22 May 2022. Role: Faculty in Panel Discussion on Case based discussion on EGFRm NSCLC patients.Organised by: Cancer Research and Statistics Foundation.

b) Participated as an Invited Faculty to a virtual CME "TKI is still a First Line of Defense for HCC and RCC" as a Panelist on 25th May 2021 at 7.00 pm.

c) Participated as an Invited Faculty to a virtual CME: Recent Updates in Lung Cancer, 21 August 2021.Role: Faculty in Panel Discussion on How do we best manage an early Stage lung cancer patient.Organised by: Cancer Research and Statistics Foundation.

d) Participated as an Invited Faculty to a Virtual Conference: Best of ASCO India 2021 8th to 11th July, 2021. Role:Faculty in Panel Discussion on EGFR+ve Metastatic NSCLC Patients - Managing Complex Cases. Organised by ICON and IASCO

e) Participated as an Invited Faculty to a virtual CME: Role Speaker on the topic "Improving Survival and Quality of Life in frontline advanced RCC with CTLA-4 & PD-1 inhibition." 30 June 2021

f) Participated as an Invited Faculty to a virtual CME:"Recent Updates in Hereditary Breast & Ovarian Cancer" on 20th August 2021.Role:- Panelist Topic:- Panel Discussion - Expert Opinion on PARPi as Targeted Therapy for Personalised Medicine. Organised by Spring Hope Cancer Foundation.

g) Participated as an Invited Faculty to a virtual CME: "NSCLC with EGFR Mutation-Status Update" on 26th August 202.Role: Faculty in Panel Discussion on Managing an early lung cancer patient a case-based discussion.Organised by: Cancer Research and Statistics Foundation.

h) Participated as an Invited Faculty to a virtual Webinar:Training programs for healthcare professionals and workers (nursing, paramedic). Organised by Dr.Reddy's Foundation for Health Education (DRFHE)

i) Participated as an Invited Faculty to a Physical CME:'Newer updates in Lung Cancer 2021" on 17th September 2021 at Dehradun.Role:- Speaker Topic:- Recent advances in the Treatment of mEGFR Ca Lung. Organised by Spring Hope Cancer Foundation.

j) Participated as an Invited Faculty to a Physical CME:'Newer updates in Lung Cancer 2021" on 17th September 2021 at Dehradun.Role:- Panellist Topic:- Case Based Discussion on Management of EGFRm NSCLC. Organised by Spring Hope Cancer Foundation.

k) Participated as an Invited Faculty in a virtual National Conference"11th Annual Conference of Indian Society for Study of Lung Cancer"Friday, 27th November 2021. Role Panelist in a panel discussion on Multimodality management of early-stage lung cancer in 2021. Organised by JIPMER Puducherry and ISSLC.

l) Participated as an Invited Faculty in a virtual Webinar:"National BIOMAB Registry" Meetingin Head and Neck Cancer Patients on 12th December 2021.

m) Participated as an Invited Faculty in a virtual Webinar:"Role of Netupitant& Palonosetron in CINV" on 17 Feb 2022. Role: Panelist.

n) Participated as an Invited Faculty in a Physical Conference:15thLipodox ESM 11th to 13th March-2022 at Darjeeling. Role: Panelist, Topic: " Ovarian cancer management in 2022"

o) Participated as an Invited Faculty to a virtual Webinaron mRCC (360°axcess meet) on Friday 28th May 2021, Role: Moderator on panel discussion Topic-Panel Discussion- mRCC Second Line & beyond.

p) Participated as an Invited Faculty in a virtual Webinar CLINICAL ISSUES IN PHARMACOVIGILANCE by Department of Pharmacology on Sep 21, 2021.

q) Participated as an Invited Faculty in a conference "Current Practices in Emergency Medicine" on 9thDecember, 2021 at AIIMS Rishikesh. Role: Chairperson on a lecture Emergencies in Hemato-Oncology.

r) Participated as an Invited Expert in STC Uttarakhand Difficult to Treat TB Clinic held on 22nd March '22 on the topic "Challenges of Drug Resistant TB Management in Cancer Patient" conducted by State TB Cell, Dehradun, Uttarakhand

s) Participated as an Invited Faculty in a physical CME at Rishikesh on Role of PARPi in Ovarian Cancer Management, 24 March 2022. Role: Moderator on Panel Discussion on the Topic PARPi in Ovarian Cancer Management

t) Delivered Talk as an Expert Lecturer in Online Webinar Conquering Cancer on 04 Feb 2022.

u) Participated as an Invited Faculty in a virtual Panel discussion on the Topic: "Redefining Treatment Landscape in Her2+ EBC" on 17 December 2021.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Participated as an Invited participant in a virtual Webinar HNSALV Trial: Combining Immunotherapy with Salvage Surgery and IORT for Head & Neck Cancers, on 9th June 2021 (Represented AIIMS Rishikesh).

b) Participated virtually in Annual European Society for Medical Oncology Conference 2021 and presented a virtual poster on 'A longitudinal cohort study on assessing the impact COVID-19 pandemic on the mental health of cancer care providers: Developing world scenario'.

c) Participated virtually in ESMO Asia Virtual Oncology Week, 17-23 November 2021.

3. Awards & honours received

a) Received International Cancer Foundation Registration Scholarship for European Lung Cancer Congress 2022: (30 March - 02 April 2022)

b) Featured on the Cover Page of PubMed indexed journal World Journal of Clinical Oncology as an Outstanding Editorial Board Member, March 2022.

c) Appointed as a Member of ICMR Subcommittee on Melanoma for formulation of National Consensus Document for Management of Melanoma Cancer, Nov. 2022

d) Nominated by National Medical Commission, as a member of Expert Committee on finalisation of Feeding Specialities for DM/MCh courses, Dec. 2022.

e) Selected by JICA (Japan International Cooperation Agency) for JICA's Knowledge Co-Creation Program (KCCP) on "Advanced Training in the field of Medical Science & Management for AIIMS and relevant Institutes" (Jan-March 2022).

Dr. Deepak Sundriyal
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended 44th Indian Cooperative Oncology Network Conference on 6th 13th and 20th June 2021.

b) Attended Best of ASCO India oncology conference from 8th to 11th July 2021.

c) Delivered a lecture on OSIMERTINIB-paradigm shift in resectable EGFR mutated lung cancer: Spring Hope Cancer Foundation. Sep 2021.

d) Participated as a faculty in the recent clinical updates from SABCS for the management of breast cancer on 12th and 13th February 2022.

e) Attended STC Uttarakhand "Challenges of Drug Resistant Tuberculosis Management in cancer Patients conducted by State TB Cell as a faculty on 22nd March 2022.

f) Training of the Medical Officers in basic clinical oncology and Day Care chemotherapy for National Health Mission (NHM) Uttarakhand.

g) Conducted a survey "A situational analysis of childhood cancer care services in india' under Indian Council of Medical Research: national centre for disease informatics and research (NCDIR), Bengaluru. (2021).

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended European Society of Medical Oncology Virtual Congress: 16-21 September 2021.

b) Attended European Society of Medical Oncology Congress on Molecular Analysis for Precision Oncology: 7-9 October 2021.

c) Attended European Society of Medical Oncology Gynaecological cancers virtual congress: 25-26 June 2021.

Dr. Gaurav Dhingra
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Panelist of topic “Navigating Treatment Options for CLL Across the Disease Continuum” in "Innovation in Oncology Hybrid Conference" organised by Sarvodaya Hospital & Research Centre, Faridabad in collaboration with Indian society of Oncology and manage health foundation.

b) Chairperson of topic “Molecular genetics of CLL, treatment of Newly diagnosed CLL and chemo free treatment of CLL” in 62nd Annual Conference of Indian Society of Hematology& Blood Transfusion “Haematocon 2021”.



DEPARTMENT OF MICROBIOLOGY









8.20 MICROBIOLOGY

The Department of Microbiology has three primary responsibilities

1. Teaching/ training,
2. Diagnostic laboratory services
3. Research activities.

Central Dogma: Oriented towards Clinical support and assistance.

Research and Education is one of our thrust areas:

1. Original research in basic sciences and patient oriented discoveries.
2. Encouraging creative young minds to reach their fullest potential.
3. Clinical transformation across the organization that is patient centred, safe, effective, accountable and transparent.
4. Emphasis on quality and value in all endeavours.
5. Provide quality work, environment that nurtures unity, respect for diversity, teamwork and professional growth

The specific goals of the Department are to

1. Setting up of Anaerobic lab
2. Setting up of BSL-3 lab and expanding scope of Research
3. Pneumatic Shute Logistic approach for sample management
4. Starting a centre for Zoonotic diseases
5. Train Post Graduate students as Clinical Microbiologist, "from Bench side to Bedside".
6. Setting up an advanced Virology centre and starting DM Virology.
7. Setting up of Advanced Mycology Division
8. Next generation Sequencing Lab

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1.	Dr. Neelam Kaistha	Professor & Head
2.	Dr. Balram Ji Omar	Professor
3.	Dr. Yogendra Pratap Mathuria	Additional professor
4.	Dr. Deepjyoti Kalita	Additional Professor
5.	Dr. Mohit Bhatia	Associate Professor
6.	Dr. Amber Prasad	Assistant Professor
7.	Dr. Biswajeet Sahoo	Assistant Professor

I) Departmental activities:

1. Academic

a) Teaching

- PG Students
- UG (MBBS, BSc Nursing) Both didactic and integrated
- JR [Academic-MD (Microbiology)]
- PDCC (Infectious Diseases) SR
- PhD students
- MPH students
- B.Sc MLT students
- Other allied B.Sc courses
- Examination Superintendent for various MBBS, BSc (Nursing) Professional Examinations
- Framing of MCQs for MBBS, MD (Microbiology), PDCC (Infectious Diseases), BSc (Nursing) & BSc (Nuclear Medicine) courses
- Conducting Monthly assessments, End term & Professional/Exit exams (theory & practical) of MBBS, MD (Microbiology) & PDCC (Infectious Diseases) courses
- Preparation of OSPEs with checklists for MBBS, MD (Microbiology) & PDCC (Infectious Diseases) courses
- MD examiner at AIIMS Rishikesh- February 2021
- Examiner PDCC exit exam-Theory paper at AIIMS Rishikesh
- Paper setter for National Board of Examination for PG entrance
- External Thesis Evaluator- GMCH Chandigarh and Delhi University
- External examiner (theory and Practical) for PGIMS Rohtak for MD Microbiology

- External Thesis Evaluator for Delhi University
- PhD Thesis Guide-02
- Validation of MBBS MCQs of AIIMS, Rishikesh question bank
- classes for reinforcement trainings in Hospital Infection Control

b) Academic/ Knowledge transfer activities

- State Level Viral Hepatitis B & C training cum Work shop (Offline) for Doctors and Technicians separately
- State Level Viral Hepatitis B & C training cum Work shop (Online) for Doctors and Technicians separately
- IGNOU Programme PGCMDM at AIIMS Rishikesh
- IGNOU Programme PGCMDM at AIIMS Jodhpur

c) Research:

- PhD Thesis Guide- all faculty involved
- An in-vitro study to unravel the burden of prevalent serotypes of Dengue Virus in State of Uttarakhand and its pathobiology on cell lines using antiviral agents
- Co Guide in MD on Study of Clinical and Microbiological profile of Keratitis at a tertiary care hospital in North India
- Detection of Dengue and Chikungunya along with their co-infectionand clinical profile of patients in tertiary care hospital of Uttarakhand, India
- Study antifungal susceptibility pattern and antimycotic e!ect of Melaleuca alternifolia (tea tree oil) on dermatophytes isolated from clinical cases of recalcitrant dermatophytosis at a tertiary care hospital
- Extramural Project -1
- Intramural Project – 3
- Lower respiratory tract Coinfections in symptomatic COVID -19 patients to determine etiological agent and its antibiotic sensitivity pattern: A cross sectional descriptive pilot study
- A prospective observational study to evaluate correlation of cytokines with sepsis.
- Comparative evaluation of Rapid SARS CoV2 Antigen detection and Real Time PCR for diagnosis of COVID 19 in tertiary care hospital
- Clinico-investigational Correlation and Management of abdominal tuberculosis in pediatric population: A prospective observational study.
- Evaluation of the utility of clinicoradiological, microbiological, histopathological and molecular methods in diagnosis of Pott's Spine: A cross-sectional study.
- Multicentric Project on "Impact of Conducting Hand Hygiene Audit in COVID-19 Care Locations of India: A Large Scale National Multicentric Study"
- A longitudinal observational clinical study on Rhino-orbital MUcormycosis during COVID Pandemic (MUCOP study) at AIIMS, Rishikesh.

2. OPD Services
DIAGNOSTIC ACTIVITIES

Bacteriology And Mycology

- Aerobic culture& sensitivity
- Blood Culture (aerobic) Paediatric and Adult
- Fungal Culture
- Antifungal susceptibility test for yeast by disc diffusion

Direct Microscopy

- Gram's staining
- Albert's staining
- Acid fast stain/ Z N staining
- Modified ZN staining
- Giemsa stain-
- 10% KOH for fungal elements
- India ink for Cryptococcus
- Direct smear of pus from liver abscess for E. histolytica
- Stool for ova and parasites
- Vaginal smear- Bact. Vaginosis, Candidiasis, Trichomoniasis
- Calcofluor white staining for fungal staining

Serology (Rapid)

- HBsAg
- Anti HCV,
- Anti HIV,
- Dengue IgM ,IgG& NS1antigen
- ICT for Malarial parasite
- Typhi DOT/ ICT for Typhoid

- WIDAL test-Slide agglutination
- ASO
- C-Reactive Protein
- Rheumatoid Factor
- RPR/VDRL
- Procalcitonin

ELISA based Serology

- Toxoplasma IgM
- Herpes simplex IgM
- Rubella IgM
- Cytomegalovirus(CMV) IgM
- Toxoplasma IgG
- Herpes simplex IgG
- Rubella IgG
- Cytomegalovirus(CMV) IgG
- IgE
- Anti HBsAnti cardiolipin-IgM and IgG
- Anti Taenia Solium
- HAV IgM ELISA
- HEV IgM ELISA
- Parvo B19 IgM ELISA
- Scrub typhus IgM ELISA
- Anti HCVELISA
- HBsAg ELISA
- Anti PR3 ELISA
- Anti MPO ELISA
- Anti CCP ELISA

Immunofluorescent assay:

- ANA
- ANCA
- Anti CCP
- Anti-ds DNA
- ENA profile
- Autoimmune liver profile

Virology:

- COVID 19-RT PCR
- H1N1 by RT PCR
- Rapid Syndromic testing by microarray technology-BIOFIRE for Meningitis/ Encephalitis, GIT infections, Respiratory infections, Blood stream infections
- HBV RT PCR Viral Load-Quantitative
- HCV RT PCR Viral Load-Quantitative
- HCV Genotyping

Mycobacteriology:

- GeneXpert
- Enhanced RNTCP services for TB patient - offering Genexpert for TB (CBNAAT Testing) free of cost as per MoU with State RNTCP.
- IPD Services :All above mentioned tests are done for IPD as well.

3. Health awareness/ educational activities organized by department

a) Celebrated World Antibiotics Awareness Week (18-24thNovember, 2021) in collaboration with other departments

b) SwachhtaPakhwada Week was celebrated from 1-15th April 2021.

4. CME/ workshop/ conference/ training organized by Department

a) State Level Viral Hepatitis B & C training cum Work shop (Offline) for Doctors and Technicians separately

b) State Level Viral Hepatitis B & C training cum Work shop (Online) for Doctors and Technicians separately

c) IGNOU Programme PGCMDM at AIIMS Rishikesh

d) IGNOU Programme PGCMDM at AIIMS Jodhpur

Resource person: Dr YP Mathuria
Hospital Infection Control Committee
Total trainings done- 39

a) Conducted training on general instructions, Preparedness to combat COVID-19,

b) General instructions, Donning & Doffing, HH, BMW, Contact tracing, Cleaning & Disinfection,

c) Do's and Don'ts, Assessment of hand hygiene OSPE,

d) Infection Prevention & Control Practices, HH & BMW Trainings,

e) Training on COVID Appropriate Behaviour.

Resource person: Dr Amber Prasad
PEAK meeting and trainings, Total-42
Resource person: Dr Biswajeet Sahoo

5. New initiative of department

a) Continued COVID testing at VRDL.

b) Started PCR testing of agents like ZIKA Virus, Scrub typhus (with ELISA) as per mandate of VRDL by Govt. Of India (on project basis)

c) TMA based (Transcription Mediated amplification) testing of Viral agents (e.g. SARS CoV-2) initiated.

d) Started Anaerobic lab

6. Other activities / achievement by Department

a) ONLINE Teaching and learning

b) ONLINE Assessment-MD microbiology and MBBS Exam

c) Introducing SOFT SKILL based OSPE

d) Initiated BSC MLT course

7. Future plan

a) BSL3 virology lab (sanction from Govt. Of India awaited)

b) Setting up an advanced Virology centre and starting DM Virology.

c) To start antifungal sensitivity testing (AFST)

d) Setting up of Advanced Mycology Division (Applied For)

e) To start multiplex RT-PCR for detection of Mucormycosis

f) To start D-Glucan and Galactomannan assay for invasive fungal infections

g) Creating a fully automated bacterial diagnostic laboratory.

h) Full-fledged allergy lab (with phadia machine)

i) Advanced autoimmune disease diagnostic lab – with automated IFA and blot facility

j) cell culture facility

k) Improve and Update existing Curriculum of all Graduate and Post Graduate courses by developing Competencies. Students will be helped in being Professional, have good interpersonal skills, good communication skills and to understand Ethics. Students will be encouraged in learning and developing skills to become Clinical Microbiologist.

II) Faculty activities :

Dr. Neelam Kaistha
Professor & HOD

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Guest Speaker of the Integrated Association of Medical, Basic and Social Scientists (IAMBSS) in the National Conference on "One Health: Integrating Science, Environment, & Public Health" from 28-30 April 2022 at AIIMS/FRI campus Uttarakhand

Dr Yogendra Pratap Mathuria
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

As Resource Person:

a) State Level Viral Hepatitis B & C training cum Work shop (Offline) for Doctors and Technicians separately

b) State Level Viral Hepatitis B & C training cum Work shop (Online) for Doctors and Technicians separately

c) IGNOU Programme PGCMDM at AIIMS Rishikesh

d) IGNOU Programme PGCMDM at AIIMS Jodhpur

2. Awards & honours received

a) Post Graduate Diploma in Hospital and Health Management (PGDHHM) from IGNOU

b) Diploma in AIDS and Family Education (DAFE) from IGNOU

Dr Deepjyoti Kalita
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest speaker at 44thMicrocon Guwahati (Annual conference of Indian Association of Medical Microbiologist); Topic: Mucosal immunity in upper airway.

b) Chairperson on a session on Laboratory diagnosis of COVID 19 at 44thMicrocon Guwahati (Annual conference of Indian Association of Medical Microbiologist)

2. Awards & honours received

a) Certificate of appreciation by International Association of Lion's club, Rishikesh branch for contribution in fight against COVID 19 in 2021 (April)

b) Amar Ujjala "Corona Karmvir" award for services during Covid pandemic 2021 (april) - by honourable Chief Minister, Uttarakhand

Dr Mohit Bhatia
Associate Professor

1. Awards & honours received

DR SHRINIWAS AWARD for Best Poster on "Outstanding scientific work in antibiotic susceptibility testing" at the virtual meet of the Indian Association of Medical Microbiologists-Delhi Chapter held on 9th October 2021 at ABVIMS & Dr RML Hospital.

Dr Amber Prasad
Assistant Professor

1. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Presenteddigital online poster titled "Quality Improvement Initiative in prevention of occupational exposure to needle-stick/ sharp injuries and blood or body fluid exposures in a tertiary care centre in North India" in the 6th International Conference on Prevention & Infection Control(ICPIC) held held from 14 to 17 September 2021 in Geneva, Switzerland.

b) Electronic poster presentation titled "Rare cases of systemic phaeohyphomycoses caused by Bipolaris species as a Post SARS-COV 2 sequelae ", at the virtual IMED 2021 Conference, November 4-6, 2021.

c) Virtual poster presentation in CIDSSCON 2021 titled "Quality Improvement Initiatives to Decrease Central line-associated bloodstream infections in a Critical Care Unit at a Tertiary Care Center

Dr Biswajeet Sahoo
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended HIC workshop at JIPMER

b) Attended ASPICON AIIMS Patna 2021 as speaker

c) Attended UP-UK MICROCON 2021

d) Attended ASPICON AIIMS Patna 2021 as resource person



DEPARTMENT OF NEUROSURGERY







8.21 NEUROSURGERY

The Department of Neurosurgery at AIIMS Rishikesh stays true to its long-standing legacy and the unwavering pursuit of its mission: Dedication to providing technically superior, compassionate, and timely medical care to its patients. Today, the department is a tertiary regional referral center and is working towards establishing an international reputation for both clinical and academic excellence. It plays a vital role in emergency trauma services in addition to performing elective surgeries. The team uses a multidisciplinary approach to provide a complete range of services for the diagnosis, treatment and rehabilitation of patients with neurological disorders.

It is our goal to produce neurosurgeons who are not only skilled in the technical aspects of their specialty, but who also appreciate the humanistic side of the practice of medicine, and are committed to dealing with patients and families in a compassionate and humanistic way.

While we're committed to training excellent neurosurgeons as our primary goal, we also want our trainees to continue contributing to our field's advancement throughout their careers. Indeed, one of our prime objectives is to encourage residents to pursue academic careers that will enrich the specialty further. At the same time, it is stressed that our field primarily provides service to our fellow man; our efforts must have value to each individual patient, and the financial and human cost must always be justified.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Prof Radhey Shyam Mittal	Professor
2	Dr Rajnish Kumar Arora	Additional Professor
3	Dr Nishant Goyal	Associate Professor
4	Dr Jitender Chaturvedi	Associate Professor
5	Dr Saravanan Sadashivam	Assistant Professor
6	Dr Rakesh Kumar Sihag	Assistant Professor

I) Departmental activities :

1. Academic

Department runs MCh Neurosurgery course, and academic sessions are conducted 4-5 days per week which comprise of bedside teachings, clinical case presentations, seminars & journal club presentations. Interdepartmental combined teaching session with Neuroradiology and neurology is conducted once a week.

Undergraduate (MBBS) and Post graduate students (MS)of general surgery also have their training in department as per their curricula.

2. OPD Services

The Neurosurgery Department runs OPD daily from Monday- Saturday

3. IPD Services

Department has continued to provide clinical services to neurosurgical patients throughout Covid pandemic and now is functioning to its capacity after covid cases has declined. Both routine and emergency patients are managed in separate general ward as well as in Neurosurgical HDU & ICU areas

4. CME/ workshop/ conference /training organized by department

10th annual conference of Neurological Surgeons Society of India was organised by department on 4 & 5th March 2022. The conference was praised by eminent international and national Neurosciences experts.

II) Faculty activities :

Dr Rajnish Kumar Arora
Additional professor & Head

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-

chairperson/ panellist / Quiz Master)

Teaching Faculty and ATLS Instructor in ATLS Courses Conducted at AIIMS, Rishikesh, August and March, 2022.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Organising secretary 10th annual conference of Neurological Surgeons Society of India March 4 & 5, 2022.

3. Awards & honours received

a) External examiner for M.Ch Neurosurgery for Kerala University – M.Ch neurosurgery final examination at Govt. Medical College, Kottayam and Govt. TD Medical College, Alappuzha on 8 September 2021- and 9 September 2021.

b) Appointed Assessor for National Board of Examinations for neurosciences Feb 2022

Dr Nishant Goyal
Associate professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Lumbosacral (L3-S1) Microsurgical DREZotomy for decreasing tone in spastic cerebral palsy Presentation at IOACON 2021 (66th annual conference of Indian Orthopaedic Association) on 21st to 25th December 2021

b) 6th AIIMS Annual neruotrauma conference on 20th to 22th March 2022

c) MicrosugricalDREZotomy as an alternative to intrathecal baclofen pump for decreasing tone in spastic cerebral palsy Presentation at 32th annual conference of Indian society of pediatric Neurosurgery (INDSPNCON 2022) on 22nd to 24th April 2022

Dr Jitender Chaturvedi
Associate professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) "Technical Nuances in MCA Aneurysm Clipping" Presentation at Periyar Neurocon, 2021 organized by Kairely Neurosciences Society, under the aegis of Neurological society of India (NSI), Kerala Chapter, held at Saj Convention Centre, Cochin on November 27-28, 2022.

b) "Cranial Nerve Perseveration in Vestibular Schwannoma Resection" Presentation at PeriyarNeurocon, 2021 organized by Kairely Neurosciences Society, under the aegis of Neurological society of India (NSI), Kerala Chapter, held at Saj Convention Centre, Cochin on November 27-28, 2022.

c) "Flawlessness to Fearfulness in fourth Ventricle tumor Resection: Oscillations in Neurosurgery" Presentation at SkullBaseCon 2021, 22nd Annual Conference of Skull Base Surgery Society of India, organized by Department of Neurosurgery, AIIMS, Jodhpur held at AIIMS, Jodhpur on October 22-23, 2021.

d) "Teaching Faculty and ATLS Trainer," ATLS Course Conducted at AIIMS, Rishikesh, July 22-24, August 26-28, September 6-8, 2021, and March 24-26, 2022.

Dr Saravanan S
Assistant professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Presented a free paper " The implication of giant tumour size on oncological surgical and functional outcomes in craniopharyngioma" at NSICON 2021 (National conference under aegis of Neurological Society of India

DEPARTMENT OF NEUROLOGY





8.22 NEUROLOGY

The mission of neurology department is to provide quality patient care, achieve academic excellence and develop research opportunities for its faculties and residents. From its initial phase in January 2018, the department has now become a fully functional unit providing standard clinical care to visiting patients with a fully functional Neurology out-patient and in-patient services including an independent Neurology intensive care unit with significantly low infection risk. Providing best possible care to patients with neurological emergencies including acute stroke has always been our top-most priority. Our neurophysiology laboratory, with addition of newer investigations, has significantly contributed towards patient management. To date we have been successful in maintaining outstanding record of comprehensive patient care, academics and training of students along with significant contribution to the scientific literature in terms of research work and publications in various subspecialties including movement disorders, stroke, neuro-muscular disorders, headache, sleep and neuroimmunology. The department is running several subspecialty clinics and aims to develop advance care facilities including deep brain stimulation and epilepsy surgery programs in collaboration with neurosurgery and enhance its neurophysiology laboratory to a state-of-the-art facility. In addition, we plan to provide awareness about neurological disorders up to the grass root level using mobile clinics and involve primary health care centres in early management of acute ischemic stroke patients.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Niraj Kumar	Additional Professor
2	Dr.Mritunjai Kumar	Assistant Professor
3	Dr. Ashutosh Tiwari	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate

Theory lectures as per allocated hours to neurology

Daily bedside clinic in Neurology ward and OPD

b) Postgraduate

- Saturday clinical grand rounds
- Neuroradiology class weekly
- One Journal club every week
- One case presentation weekly
- One class on electrophysiology and basics of neurology weekly

2. OPD Services

Total patients served in General Neurology OPD : 7144 (Approx. 600 patients / month)

To facilitate the care of neurology patients in real need, patients referred to Neurology from other departments or hospitals were seen in the screening OPD or Neurology laboratory.

3. IPD Services

Initially we managed 20 bed Neurology ward (General ward- 14 beds, Neurology HDU-4 bed

Private/isolation ward -2 beds).

However, in view of COVID surge and to provide comprehensive COVID care, the Neurology ward was shifted to Endocrinology ward with number of Neurology beds reduced to 12. We also managed patients in CCU, Medicine HDU and COVID CCUs. The faculties and senior residents of Neurology department were divided into two teams (with periodical rotation of all faculties and senior residents), with one taking care of the Neurology service and the other routinely involved in comprehensive COVID care too.

Total patients admitted under Neurology: 315 (Approx. 27 patients/ month)

Total peripheral consultations attended : 2370 (198 Approx. consultations / month)

4. Diagnostic services

Electrophysiology Lab – NCS, EMG, EEG & Evoked potentials (VEP, BERA)

Total electrophysiology tests done :1394 (Approx.116 tests/ month)

Total ENS, EMG, EPS tests done : 1218 (Approx.102 tests/ month)

Total Portable EEG test done : 70

5. Special Clinics

Neuroimmunology clinic	: Monday (2.00pm to 4.00pm)
Epilepsy Clinic	: Tuesday (2.00pm to 4.00pm)
Movement Disorders Clinic	: Wednesday (2.00pm to 4.00pm)
Stroke Clinic	: Thursday (2.00pm to 4.00pm)
Botulinum Toxin Clinic	: Thursday (2.00pm to 4.00pm)
Headache Clinic	: Friday (2.00pm to 4.00pm)
Nerve Muscle Clinic	: Friday (2.00pm to 4.00pm)

6. Health awareness/ educational activities organized by department

- Parkinson Disease Day – April 11, 2022.
- Multiple Sclerosis Day – May 30, 2021.
- Brain Tumour Day – June 8, 2021.
- Spinal Cord Injury Day - Sept. 5, 2021.

7. New initiative of department

a) Neurology ward

- Neurology HDU was converted to Neurology ICU
- Two separate Private beds for Neurology service was started.

b) Neurophysiology lab:

- Fully functional Somatosensory evoked potential, Cognitive potential and Bereitschafts-potential
- recording.
- Neurophysiology in movement disorders with recording of different types of tremor and dystonia using surface EMG

c) Movement Disorders procedure:

- EMG guided botulinum toxin injection for focal dystonia

d) Neuromuscular procedure:

- Local steroid injection for Carpal-tunnel syndrome

e) New additions in the DM Neurology academics:

- Neuro-radiology rounds every Monday (in collaboration with Radiology department)
- Neuro-anatomy and Neuro-physiology meetings

8. Other activities / achievement by Department

a) Parkinson Disease Day – April 11, 2022

b) First four candidates of DM Neurology completed their training and passed DM Neurology exit examination. These were the first DM Neurology candidates trained in Uttarakhand.

9. Future plan

a) Strengthening and expansion of existing Neurology outdoor and indoor services

b) Starting a Movement disorder program and deep brain stimulation surgery for patients with advanced Parkinson's disease in association with the department of Neurosurgery

c) Starting an epilepsy monitoring unit and epilepsy surgery in association with the department of Neurosurgery

d) Starting a state-of-art Neuromuscular lab

e) Starting a separate stroke ICU

f) Portable EEG/ NCS services

g) Starting Plasma exchange services in Neurology ward

h) Starting Autonomic Function Lab

i) Starting a Gait Lab

j) Starting a Neuromodulation unit in association with the department of Psychiatry

II) Faculty activities:

Dr. Niraj Kumar
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Invited talk on "What is new in medical therapy of Parkinson disease" in the "Hot Topics in Neurology" session in 28th Annual Conference of Indian Academy of Neurology at Bengaluru from November 11-14, 2021.

b) Invited to moderate the "Hot topics in Neurology" session in 28th Annual Conference of Indian Academy of Neurology at Bengaluru from November 11-14, 2021.

c) Invited talk on "Approach to Movement disorders" in the Department of Psychiatry and General Medicine at AIIMS Patna on November 8th, 2021.

d) Invited talk on "Psychiatry and Movement disorders: Exploring the interface" in the Department of Psychiatry at AIIMS Patna on November 8th, 2021.

e) Invited to conduct a "Case-based interactive session on Movement disorders & their psychiatric manifestations" in the Department of Psychiatry at AIIMS Patna on November 7th, 2021.

f) Invited talk on "Management of Advanced Parkinson's disease" in the 27th Annual conference of UP-UK Neuroscience society held on August 7-8, 2021 (meeting held online).

g) Invited talk on "Electrophysiology of tremor and other movement disorders" in a live webinar organized by AIIMS Gorakhpur on July 12, 2021.

h) Invited talk on "Management of Advanced Parkinson's disease" in the meeting hosted by UP-UK Neuroscience Society & Bundelkhand Neurology Foundation on April 11, 2021 (meeting held online).



DEPARTMENT OF NEPHROLOGY



8.23 NEPHROLOGY

Department of Nephrology came into existence in March 2019. Currently, four faculty members are working in the department. The department is providing OPD, IPD, interventional and hemodialysis services, at affordable prices to people of Uttarakhand & nearby areas and is dealing with all sorts of patients with kidney diseases. The department has also got approval for providing renal transplant services. The department currently has 19 IPD beds and is providing four days a week of OPD services. The department is providing round the clock hemodialysis services. There are two different hemodialysis units within the department. The first one is older, institute run and has 07 hemodialysis machines. The second one is newer, being run on PPP mode and has 16 machines. We are providing hemodialysis to both stable patients enrolled in Maintenance Haemodialysis (MHD) Program on a daycare basis and to both stable and sick admitted patients.

DM (Nephrology) course was started in January 2020 and a total of five trainees are currently undergoing rigorous clinical and academic training and emphasis is laid upon their overall development including soft skills. A Board of studies including all four internal and four external experts has been formed and approved by the competent authority. Currently, the board is in process of finalising the curriculum for the subsequent training of these students.

Mission statement: -

A) Clinical

- To provide quality healthcare for the treatment and prevention of kidney diseases at affordable prices to the weakest section of society**.**
- To develop state of art Regional Dialysis Centre.
- To develop an internationally acclaimed Kidney Transplant Unit.

B) Research

- To begin clinical trials in the field of Nephrology, Dialysis and Renal Transplantation.
- To make MoUs with Indian and foreign universities to excel in the field of research.

C) Academics

- To begin the Post-Doctoral Fellowship course in Renal Transplantation.

  To begin the Post-Doctoral Fellowship course in Interventional Nephrology.

Department has the following members –

S.No.	Name of Faculty	Designation
1	Dr. Gaurav Shekhar Sharma	Assistant Professor & Head
2	Dr. Sharon Kandari	Assistant Professor
3	Dr. Sandeep Saini	Assistant Professor
4	Dr. Dipesh Kumar Dhoot	Assistant Professor

I) Departmental activities:

1. Academic

- UG (MBBS students) – Total no. of classes taken -25
- MD (Medicine) students – Clinics taken – 04
- DM (Nephrology) students – average 02 classes scheduled per week
- Periodic assessments taken for DM (Nephrology) students - 09

2. OPD Services:

a) OPD was partially functional from April 2021 to June 2021 during 2nd wave and then in January 2022 to February 2022 during 3rd wave of COVID -19 pandemic. During these periods patients were seen in 'Non- Covid Screening OPD' as per institute policy.

b) OPD days (July 2021 to March 2022) – 125, total no. of patients seen – 4984

c) Average no. of patients per OPD - 40

3. IPD Services:

a) Admissions

Total no. of admissions – 571
Average no. of admissions per week – 11

b) Total no. of Tunnelled HD catheter inserted – 44

c) Total no. of Kidney biopsies done – 82

4. New initiative of department

Expansion of institute run Hemodialysis unit – Pre-treatment plant for purifying water used for providing hemodialysis was installed in this unit.

5. Other activities / achievement by Department

Hemodialysis services – This service is being provided round the clock to admitted patients & to patients enrolled in MHD program, on day care basis.

a) Total no. of H.D. sessions done – 11482

b) Total no. of H.D. sessions given to COVID positive patients – 372

c) Increase in no. of H.D. sessions being provided per month - 699 (April 2021) to 1149 (March 2022) .

d) Increase in no. of patients enrolled in MHD program - 43 (April 2021) to 71 (March 2022).

6. Future plan

a) To start the Kidney Transplant Program once current administrative issues get resolved.

b) Establishment of a Peritoneal Dialysis (PD) program, providing both Acute PD and Continuous Ambulatory Peritoneal Dialysis (CAPD) services.

II) Faculty activities:

Dr Gaurav Shekhar Sharma
Assistant Professor & Head

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

As 'Judge' in Poster Presentation in the conference - North Zone ISNCON 2022, Varanasi

Dr. Sharon Kandari
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Delivered a lecture as faculty on Early Management of Renal Failure in Hospitalised Patients in a Webinar organised by Cardio-diabetic society in Collaboration with Department of Medicine AIIMS Rishikesh on 12/06/2021.

b) Chairperson in "Annual conference of cardio-diabetic society in collaboration with Uttarakhand Cardiabcon" organized by Department of Medicine, AIIMS Rishikesh on Nov. 25-26, 2021 at AIIMS Rishikesh.

c) Delivered a lecture as faculty on- Saving Organs in Diabetes, Project NEEV organised by Department of Medicine-AIIMS Rishikesh on 03/10/2021.

Dr. Sandeep Saini
Assistant professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Chairperson in "Annual conference of cardio-diabetic society in collaboration with Uttarakhand Cardiabcon" organised by Department of Medicine, AIIMS Rishikesh on Nov. 25-26, 2021 at AIIMS Rishikesh.



DEPARTMENT OF NEONATOLOGY











8.24 NEONATOLOGY

Our Vision: Compared to western world, neonatal mortality rate is still very high in India. The state of Uttarakhand and its adjoining area records even a higher neonatal mortality amongst the states of India. The Department of Neonatology, AIIMS Rishikesh made a modest beginning in November 2017 to provide comprehensive services to neonates of the state of Uttarakhand and surrounding areas. Presently we are having a 30-bedded neonatal intensive care unit (NICU) and are providing tertiary care and follow-up services to both inborn and outborn neonates with round-the-clock neonatal emergency services. DM Neonatology course has been started since July 2018.

Our Mission: We are committed to bring an overall quality improvement in neonatal care of the state, decrease neonatal mortality to a single digit with intact neurological survival and develop the department as a neonatal teaching, training and research hub.

Department has following members –

Sl.No.	Name of Faculty/SR/JR/Scholar	Designation
1	Prof. SriparnaBasu	Professor & Head
2	Dr. Poonam Singh	Assistant Professor
3	Dr. Mayank Priyadarshi	Assistant Professor
4	Dr. Suman Chaurasia	Assistant Professor

I) Departmental activities :

1. Academic

a) Undergraduate

- MBBS Lecture classes, Bed-side clinical classes, Tutorials and Integrated Teaching classes
- Clinical demonstration classes for Nursing Officers and Nursing students, Online flip classes for undergraduate students.

b) Postgraduate

Bed-side clinical classes, Tutorials, Seminars, Short presentations, Clinical Audits, Mortality meets, Journal Club and monthly examinations with clinical vignettes and OSCEs for Post-graduates (MD Pediatrics and DM Neonatology)

2. OPD Services

Morning OPD and afternoon high-risk follow up clinics thrice weekly (Monday, Wednesday & Saturday)

3. IDP Services:

Presently we are looking after 30-bedded NICU and 30-bedded postnatal ward. All deliveries are being attended by neonatology SRs.

4. Diagnostic services:

a) We run a bed-side laboratory for estimation of ABG, Electrolytes, serum bilirubin, CRP, Procalcitonin, D-dimer, micro-ESR, blood sugar, urine microscopy, CSF microscopy, Transcutaneous bilirubinometry, ECHO, Doppler, USG, Automated BERA for universal hearing screening

b) Monitoring – SpO2 and other vital monitoring, invasive BP monitoring, NIRS

c) Other lab services are provided by the Departments of Biochemistry, Pathology and Microbiology, other support services are provided by other Departments such as Pediatrics Cardiology Division of Pediatrics, Radiology and Ophthalmology (ROP Screening).

5. Major/Minor OT Services

Procedures such as central line placement, exchange transfusion, thoracic drainage, peritoneal dialysis are done bed-side in NICU.

6. Special Clinic

High-risk and neurodevelopmental follow up clinic run thrice weekly

7. Health awareness/ educational activities organized by department

Regular activities done to improve neonatal care among mothers attending AIIMS Rishikesh

8. CME/ workshop/ conference/training organized by department

a) Organised Facility Based Newborn (FBNC) Training in collaboration with National Health Mission (NHM), Uttarakhand for medical officers and nursing staff posted at SNCUs and PHCs (28th Sept- 1st Oct 2021).

b) National Facilitator for Online Course (Telegram) on "Preterm Care" from 17th July 2021 to 19th September 2021.

c) Conducted College Round of NNF Postgraduate Quiz in Neonatology (2021).

d) Navjat Shishu Suraksha Karyakram (NSSK) in collaboration with National Health Mission (NHM), Uttarakhand for medical officers and nursing staff posted at SNCUs and PHCs (Februrary 22-23 2022).

e) Facility Based Newborn Care (FBNC) training in collaboration with National Health Mission (NHM), Uttarakhand for medical officers and nursing staff posted at SNCUs and PHCs (22 March 2022 to 25 March 2022).

f) Continuous Nursing Education Program (CNE) for training staff nurses of the neonatal unit.

g) Neonatal Resuscitation Program – once every 2 months

h) Simulation-based workshop – monthly

I) Breast feeding week celebration (1st to 7th August).

j) World Prematurity week celebration (1st to 7th November).

9. New initiative of department

Started a skill lab to provide hands on training in neonatal care and use of neonatal equipment for residents and nursing officers.

10. Other activities / achievement by Department

Regular Quality-Improvement Initiatives involving faculties, residents and nursing officers.

11. Future plans of department

a) To develop neonatal skill lab and simulation training center in neonatology

b) Establishment of human milk bank

c) To start ECMO services

d) Implementation of JSSK

e) Regular training of Medical Officers and Neonatal Nurses across the State

f) Observership of trained Medical Officers and Neonatal Nurses in AIIMS Rishikesh for a period of 2 weeks

g) Regular mentoring visits to SNCUs of Uttarakhand

h) Establishment of a database of newborn morbidity and mortality in Uttarakhand

i) Establishment of transport unit for transporting sick neonates

j) Establishment of tele-conference facility

k) To develop an international collaborative center for neonatal training including faculty and resident exchange program

II) Faculty activities:

Dr. Sriparna Basu
Professor & Head

1. Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) External Examiner in DM Neonatology, AIIMS Delhi.

b) National Faculty in MILAN – A NNF-FOGSI Joint Perinatal Meet, 2021.

c) National Faculty in KMCCON 2021, St. John's Medical College, Bengaluru.

d) National Faculty in NEOCON 2021, Bengaluru.

e) Neonatologist Education by Tele Training Series in Uttarakhand (NETTSU) 2021.

f) National faculty of NNF Online Certificate Course for Preterm Infants, 2021.

g) Reviewer of World Health Organization project (WHO guidelines on postnatal care of the mother and newborn).

h) Review Editor BMJ, Pediatrics, Pediatric Research, Journal of Pediatrics, European Journal of Pediatrics, BMC Pediatrics, Indian Journal of Pediatrics, Indian Pediatrics.

2. Awards & honours received

a) Certificate Course on 'Cochrane Interactive Learning: Conducting an Intervention Review', Cochrane Collaboration, 2021.

b) Certificate Course on 'Understanding Clinical Research: Behind the Statistics' University of Cape Town, Coursera, 2021.

c) Certificate Course on 'Design and Interpretation of Clinical Trials' University of John Hopkins, Coursera, 2021.

d) Postgraduate Certificate in Medical Education (Simulation), University of Dundee, UK, 2021.

Dr, Poonam Singh
Associate Professor

1. Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master) (1st April 2021 to 31st March 2022)

a) Bayley Scales of Infant and toddler Development-Fourth edition workshop, 2021.

b) Faculty in Workshop 'Care of High-risk and sick neonates' organized by Indian Association Neonatal Nurses, AIIMS Rishikesh, 2022.

c) Chairpersosn in the CME cum Workshop on Practice points in Neonatology at Sir Gangaram Hospital, New Delhi, 2022.

d) Review Editor for BMC Pediatrics, Journal of Neonatology.

Dr.Mayank Priyadarshi
Assistant Professor

1. Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master) (1st April 2021 to 31st March 2022)

a) Organised Facility Based Newborn (FBNC) Training in collaboration with National Health Mission (NHM), Uttarakhand for medical officers and nursing staff posted at SNCUs and PHCs (28th Sept- 1st Oct 2021).

b) National Facilitator for Online Course (Telegram) on "Preterm Care" from 17th July 2021 to 19th September 2021.

c) Conducted NNF Postgraduate Quiz in Neonatology (2021) as a Quiz Master at College level.

d) Review Editor for Frontiers in Pediatrics.

Dr. Suman Chaurasia
Assistant Professor

1. Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Facility Based Newborn Care (FBNC) training 28 September 2021 to 1 October 2021

b) Navjat Shishu Suraksha Karyakram (NSSK) Februrary 22-23, 2022.

c) Facility Based Newborn Care (FBNC) training 22 March 2022 to 25 March 2022.

DEPARTMENT OF NUCLEAR MEDICINE



MD, Nuclear Medicine, final exit exam , conducted on 23.12.2021, Prof. Chetan Patel, AIIMS, Delhi , participated as external examiner.
From left Dr. Rajesh M., Dr. Tejasvini, Dr. Jeewan (PG, Residents), Dr. Manishi L Narayan, HOD, Dept.of Nuclear Medicine, AIIMS, Rishikesh, Prof.C. Patel , AIIMS, Delhi , Dr.V.K.Dhingra, & PG residents Dr. Pramit , Dr. Parneet , Dr. Sanjith



MD Nuclear Medicine exit exam conducted in Department of Nuclear Medicine, AIIMS, Rishikesh. Prof. S.Gambhir, SGPGIMS,Lucknow, participated as external examiner 4 MD candidates passed the exit exam successfully
From left Dr. Parneet Singh, Dr. Tejasvini S., Dr. Manishi L Narayan, HOD, Nuclear Medicine, AIIMS, Rishikesh, Prof. S. Gambhir, SGPGIMS, Lucknow, Dr. V.K. Dhingra, Dr.Anjali M., Dr. Hardik V.



PGC-MDM, Session 27 to 29.9.2021 introductory address by Dean academic, Prof.Manoj Gupta. Academic counsellors and Coordinator, including Dr.Vartika Saxena, Dr. Pratima Gupta, Dr. Manishi L Narayan , Dr. Y P Mathuria & Dr. Ashish Bhute.



During practical sessions of PGC-MDM , programme , Dept. of Nuclear Medicine, AIIMS, Rishikesh .
rom left Dr.RajeshM.,Dr. Tejasvini, Dr. Jeewan (PG, Residents), Dr.Manishi L Narayan, HOD,Dept.of Nuclear Medicine, AIIMS, Rishikesh, Prof.C. Patel , AIIMS, Delhi , Dr. V.K. Dhingra, & PG residents Dr. Pramit , Dr.Parneet , Dr. Sanjith



Practical sessions of Postgraduate Certificate in Medical Management of CBRNE, (PGC-MDM) in collaboration with IGNOU, Delhi and DRDO, Delhi being conducted at AIIMS, Rishikesh from 26.9.20221 to 28.9.2021.



End term exam of Postgraduate Certificate in Medical Management of CBRNE(PGCMDM), being conducted at AIIMS, Rishikesh on 29.09.2022.With academic counsellors Dr. Y P Mathuria, Dr. Ashish Bhute, AIIMS, Rishikesh, External examiner, Dr.ManjuPopli, director Radiological Imaging, INMAS, DRDO, N. Delhi. Exam superintendent and academic Coordinator, HOD, Nuclear Medicine ,Dr. Manishi L.Narayan. AIIMS, Rishikesh

8.25 NUCLEAR MEDICINE

Nuclear Medicine is a well-established clinical discipline with specific training programmes, special skills & approach to patient management. Nuclear medicine techniques can determine disease at much earlier stages compared to other conventional modalities e.g. X-Rays, USG, CT or MRI, that diagnose disease based on structural abnormalities.

Nuclear Medicine involves use of small amount of radioactive substances for the diagnosis and treatment of variety of disease. It involves the 'Theragnostic" approach, where paired targeted radiotracers are used, including a Gamma emitting PET/SPECT radiotracer for imaging, paired with either Beta / or Alpha emitting radiotracers, used for therapy purpose. This provides diagnostic benefits with more effective targeted therapies for better disease outcome. Last decade has witnessed tremendous growth in Theragnostic, that has shifted the paradigm in management of many cancer e.g. carcinoma Prostate, neuroendocrine tumours and many other diseases.

Dept. of Nuclear Medicine at AIIMS, Rishikesh was inducted in Jan 2018. In accord with Institute mandate, we, at AIIMS, strive hard to provide comprehensive, high quality tertiary care services (specialty and super-specialty services) to our users, committed to provide higher standards of teaching and also clinical Research. We also have comprehensive academic programmes to meet the emerging need of trained Nuclear Medicine Physicians & Technical experts. We are offering –

1. World Class Infrastructure with quality patient care for all, including poor, middle & upper class citizens at reasonable or very low cost.
2. Currently we have AERB, approved SPECT/CT facility and equipped with Dual Headed Gamma Camera with 16 Slice SPECT/CT (Discovery NM-CT 670), Thyroid Uptake Probe system & Intra-operative Gamma Probe facility since Jan' 2018.
3. We are running Dedicated Thyroid Clinic (Monday to Saturday). We are also offering outpatient based low dose 131-I Radioactive Iodine therapy (< 30mCi) for Hyperthyroidism.
4. Running outstanding academic programme, including MD (Nuclear Medicine), DM in therapeutic Nuclear Medicine, P.D.C.C., B.Sc. (Nuclear Medicine Technology).
5. We are on our way to installation of 1st PET/CT scanner at AIIMS, Rishikesh, which is going to be the first PET/CT imaging facility in entire Uttarakhand state, India in Government organization. Other projects are also in pipeline, for establishment of wide-ranging Diagnostic and Therapeutic facilities, to provide comprehensive Academic Programme to meet emerging need of highly qualified man power to look after the expanding field of Nuclear Medicine imaging & Therapy. Ongoing projects are as follows–

- To establish 131-I Radioactive Iodine High Dose Isolation Ward facility at AIIMS, Rishikesh & Establish dedicated Cardiac SPECT facility.
- Establish Medical Cyclotron facility at AIIMS, Rishikesh, at the earliest possible time, that will provide onsite availability of wider Range of PET Radioisotopes, make the Nuclear Medicine & molecular imaging a self-reliant division.
- To establish facility for PET - MRI.
- P.D.C.C. in Functional & Cross Sectional Imaging.

These upcoming projects would be instrumental in providing 'Comprehensive Patient Care', strengthen the 'Clinical Research' capability, help in starting advanced training programmes in targeted radionuclide therapy and also benefit the MD, M.Sc., B.Sc., PhD, Nuclear Medicine fellows in training.

Department has following Members –

Sl. No.	Name of Faculty	Designation
01	Dr. Manishi L. Narayan	Professor (Off.) & Head
02	Dr. Vandana K. Dhingra	Additional Professor

I) Departmental activities:

a) Running Dedicated Thyroid OPD : Monday to Saturday, catering to approx.15- 20 cases per day.

b) Fully Functional Gamma Camera SPECT/ CT Services (From Feb'2018): Department is well equipped with Dual headed Gamma camera & regularly conducting all conventional Nuclear scans including, Myocardial perfusion Imaging, SPECT 99mTc MIBI, 99mTc ECD Brain perfusion imaging, 99mTc-MDP Bone scan, Renal functional studies (99mTc DTPA, 99mTc-DMSA ,99mTc- EC), Thyroid Scan 99mTc, 99mTc-Mebrofenin, Hepatobiliary scan, 99mTc GI Bleed scan, MUGA scan, Lymphoscintigraphy, Sentinel node imaging with 99mTc S. Colloid, DRCG, Scintimammography, Tumour imaging with 99mTc-MIBI, etc.

c) Thyroid Uptake Probe facility is fully functional for performing Quantitative Radioactive Iodine Uptake studies & Quantitative in vitro studies.

d) Department is also having facility to perform intraoperative Sentinel Lymph Node Procedure Since (May 2018). Regularly we are performing sentinel lymph node imaging with intraoperative localization of node using Gamma probe, in oropharyngeal Sq. Cell carcinoma, Head and neck malignancy, Parathyroid surgery & in carcinoma breast.

e) Low dose 131I- Radioiodine therapy for thyrotoxicosis patients & low dose 131 radioactive iodine therapy for remnant ablation is available for patients.

f) Nuclear Medicine Department, facilities and Equipment's are in compliance with Atomic Energy Regulatory Board (AERB), Mumbai requirements. All essential NOCs & licences from AERB are regularly updated for running Nuclear Medicine Diagnostic facility at AIIMS, Rishikesh –

- Licence for Operation Of Nuclear Medicine Facility (SPECT- CT) - Dated 10-01-2018 (valid for 5 yrs)
- Approval of Radiological Safety Officer – II (Ms. Meena Negi) valid till 23-12-2023, Beta therapy (09-10-2023), Low Dose Therapy (30-12-2025) & for Non Imaging Techniques (valid for next 3 Yrs).
- Licences for Procurement of Radiation Source (Mo-99/Tc-99m Generator) other unsealed sources e.g - 131 I Sodium Iodide Solution , 131 I Sodium Iodide Capsule, 201 Thallous Chloride, 131 MIBG , 67 Gallium , 32P Colloidal, 153 Sm- EDTMP , 177Lu & 90 Yttrium Citrate etc are also renewed by AERB for current Yr. 2022

1. Academic activities

Undergraduate

Name of the course	Duration of course	Present No. of MD/ NMT students & PhD fellows	Objectives/ Brief description of the course
B.Sc. Nuclear Medicine Technology	03 Years	11	Bachelor Degree course in Nuclear Medicine Technology
M.B.B.S	4.5 yrs	100/Yr	Lectures on basic concepts of Nuclear Medicine Imaging techniques & Radionuclide therapy, for current clinical practice to MBBS students

Postgraduate

Name of the course	Duration of course	Present No. of MD/ NMT students & PhD fellows	Objectives/ Brief description of the course
MD- Nuclear Medicine	03- Years	11	Post Graduate Degree course in Nuclear Medicine .PhD-Nuclear Medicine
Doctor of Philosophy	05-Years	4	Postgraduate doctoral degree, awarded to students who complete an original thesis offering a significant new contribution to knowledge in Nuclear Medicine

Post Graduate

MD - Nuclear Medicine

1. M.D. Nuclear Medicine was initiated in July 2017 with 1-2 seats per session. Currently, 4 academic batches with 11 of Post graduate trainees are enrolled in the Department, for the degree of MD in Nuclear Medicine
2. It is a six semester based three-year residency programme.
3. Postgraduate teaching includes, clinical case based teaching with training all basics and specialized skills. Monthly teaching curriculum includes around 8 Seminars, 4 journal club, 4-8 Clinical case based discussions, along with regular practical classes & clinical grand rounds are presented regularly.
4. All presentations are assessed by faculties and given scores. Assessment exams conducted every month end, that includes include MCQs, OSPE and OSCE and case based evaluation.
5. PG residents are posted by rotation in OPD, Imaging & Radiopharmacy lab. They are also rotated in other specialities within the Institute , including Radiology, Endocrinology, Cardiology, Medicine, Oncology (Medical Oncology, RT, Surgical oncology), Neurology & Pathology etc. during their residency period
6. They are also being offered, 3 months' rotatory external posting at other Premier Institutes, e.g. PGIMER, Chandigarh, AIIMS, Delhi, SGPGIMS, Lucknow of National Importance to get wider exposure in speciality.
7. Post graduates are also encouraged to publish at least two research projects during their academic training, in addition to mandatory one thesis writeup.

Undergraduate

B.Sc. - Nuclear Medicine Technology

1. BSc. - Nuclear Medicine Technology was initiated in July 2018 with 2 seats per session. Currently, 11 BSc-NMT students are enrolled in the Department.
2. B.Sc. (NMT) teaching includes, regular 4-5/ weekly lectures & practical classes by department of Anatomy, biochemistry, Physiology & Nursing during Ist. yr of B.Sc. Programme. During their 2nd& 3rdYr of programme, weekly teaching included 4-6 lectures & 2 practical /weekly in Nuclear Medicine Department with practical training in the subject.
3. Assessment exams conducted at the end of semester that includes include MCQs, & OSPE.
4. Presentation, lectures &practicals are regularly being taken both in hybrid or online mode (during COVID pandemic period).

Post Doctoral

Phd- Nuclear Medicine

Currently 4 PhD fellow are enrolled with the Department, for the award of PhD in Nuclear Medicine.

Other PG & Post-Doctoral teaching

MD Radiodiagnosis , DM or M.Ch. fellows of Cardiology, Urology, Endocrinology, Paediatric Surgery & Oncology during their rotational posting or interdepartmental Meets or Seminars

Seminars/Journal Club/Case Presentation/lectures : 62

Clinical Grand Round Presented on :

	Topic	Presenter	Moderator / Supervisor
1	Current Role of PET-CT imaging in Oncology	Dr.Tejasvini / Dr.Parneet	Dr.Manishi L Narayan

2. OPD Services :.

S.No.	Patient Care Services	
01.	Thyroid OPD	**Total Cases –** 580 (approx. 48 cases /month) Patients were routinely consulted through innovative tools like telemedicine, video-conferencing whatsapp or phone calls during lockdown period

3. Diagnostic Services :

S. No.	Patient Care Services	
01	Gamma Camera Imaging	Total Cases conducted – 1876(approx. 156/month)

4. Special Clinics

Day of Week/time	Specialty Clinic	Consultant in charge	Consult, if you have following issue(s)
Monday Wenesdays	Thyroid Clinic , Gamma Camera SPECT Imaging & Radionuclide Therapy	Dr. Manishi L. Narayan	1. Hyperthyroidism 2. Nodular Goiter 3. 131 I - Radioiodine Therapy (RAIT) for hyperthyroidism & FU 4. Differentiated Thyroid Cancer (DTC) 5. RAI Therapy & FU of Differentiated Thyroid Cancer (RAI) 6. Neuroendocrine Tumors. 7. 131-I MIBG Scan for pheochromocytoma, paraganglioma localization 8. Parathyroid adenoma 9. Pain palliation for skeletal metastatsis
Tuesday/ Thursdays	-do-	Dr. Vandana K. Dhingra	
Friday & Saturday as per the Roster	-do-	Dr. Manishi L. Narayan/ Dr. Vandana K. Dhingra	

5. Health awareness/ educational activities organized by department

a) Patients were routinely consulted through innovative tools like telemedicine, video-conferencing whatsapp and phone calls during lockdown period, as there were missed patients visits to the thyroid clinic.

b) Regularly mentoring and creating awareness among MD, MS, DM, MCh, residents & MBBS students for Nuclear Medicine techniques and radiation protection measures.

c) Teaching paramedical & Nursing staff on radiation protection measures.

d) Participating in intradepartmental CMEs with other departments.

e) Regularly conducting academic programmes both intra and interdepartmental activities.

6. CME / Workshop / Conference / Training organized by department

a) Due to the COVID -19 pandemic (Yr. 2020-2021), most of the academic and teaching work was performed on either hybrid or online mode. That has added a new dimension in teaching Methodology. Inspite of travel restriction PGs & faculty attended and benefited by good number of academic events during this period.

b) Regularly teaching Paramedical and Nursing staff on radiation protection measures and practices for safe handling of radionuclide during diagnostic imaging & therapy.

c) PG Students are encouraged to attend all online Annual, State conferences, Lectures & webinars conducted by International and National Societies of Nuclear Medicine including SNMI, ANMPI & ICNM, EANM, & SNMMI during pandemic period.

d) Inter-departmental Meets and seminars for creating awareness and updated Nuclear Medicine Imaging procedure and Newer Theragnostic techniques , including 1) Newer concepts and current clinical role of 68Ga PSMA PET-CT imaging & Theragnostic tracers like 177Lu PSMA for management of Prostate Cancer, to group of Urology, MCH fellows and Faculty, 2) Current concepts and use of 68 Ga Dotatate PET-CT imaging and 177Lu Dotanoc PRRT Therapy for neuroendocrine neoplasm etc. for endocrinology fellows and Faculty 3) Role of PET-CT in Oncology .

e) Department had hosted a series of Webinars and interactive session on Theranostics by international faculty, Dr. Vikas Prasad Vice Chair, Department of Nuclear Medicine, University Hospital of Ulm, Germany, Head Theranostics Group, Faculty ESMO. Head Theranostic Task Force, ENETS Advisory Board in collaboration with University of Ulm, Germany. Second Webinar # 2: was focused on peptide receptor radionuclide therapy (PRRT) for Neuro-endocrine Tumors 'A Master Treatment' for NET - Current Status & Future Scope on 03-07-2020.

7. New initiative of Department

Post Graduate Certificate Programme (PGMDM- CBRNE) :

This is a six months PG Certificate programme in Medical Management of CBRNE Disasters (PGCMDM), which is aimed for medical officers, launched from January, 2020.

a) Department of Nuclear Medicine had facilitated in commencement of this PG certificate Programme on Medical management of C.B.R.N.E. (Chemical, Biological, Radiological & Nuclear Explosives Disaster Management) in collaboration with I.G.N.O.U, Delhi & I.N.M.A.S, D.R.D.O. , Delhi. Dr. Manishi L. Narayan, Head, Department of Nuclear Medicine, supervising as Academic Coordinator, Exam superintendent & Academic Counsellor (Radiological Disaster) for this programme for over last 2yrs , since its inception.

b) AIIMS, Rishikesh is serving as Learners Support Centre for this programme. The practical skills have been divided in three broad areas– Radiological, Nuclear, Chemical and Biological disasters. As a Learners support centre, we are providing hands on training for practical components of this programme.

c) So far, we have conducted two academic sessions & end term exams for this programme. First intake of students (Session July 2020), included group of 60 practicing physicians. A total 20 experienced physicians from various specialities across the country, registered for practical sessions at AIIMS, Rishikesh in for 2020 session. Department of Nuclear Medicine, CFM, Microbiology & Forensic Medicine, AIIMS Rishikesh, is actively participating in academic programme. We had successfully conducted lectures on video conferencing mode with practical sessions for the first academic session in Dec'2020 & March'2021.

d) For second academic Session (July 2021) approx. 38 candidates had joined for CBRNE-MDM training programme nationwide. Online lectures on all three major subjects were given by academic counsellors in July-2021 followed by practical session and end term exam, that was conducted from 27 to 29 Sept.' 2021. A total of 7 candidates attached with our centre were physically present here, attended practical sessions, appeared for end term exam, and all had passed the final exam.

e) D.M. programme in Therapeutic Nuclear Medicine is approved for AIIMS, Rishikesh this year. We are now having 4 DM seats in therapeutic Nuclear Medicine. Though, intake of DM would be open once the High Dose therapy ward gets functional.

f) Started PDCC Programme in Cardiac imaging, in 2019 in collaboration with Department of Cardiology and Radiology.

g) Web based teaching for BSc. NMT fellows and MD, PG trainees in view of pandemic.

h) Teleconsultation for thyroid OPD and planning for radionuclide procedures, whenever, routine OPD was not feasible due to pandemic restriction.

8 Other activities / achievement by Department

a) Conducted Interim and final practical exams for MD-Nuclear Medicine, Programme for two consecutive sessions, April/Dec 2021 and May/June 2022. Total of five (5) MD Nuclear Medicine fellows have successfully cleared the exit exam during 2021 & 2022 academic year.

b) A total of 7 MD-Nuclear Medicine Candidates have successfully passed MD exam since the commencement of Nuclear Medicine facilities at AIIMS, Rishikesh (Jan' 2018) .

c) Also, successfully conducted B.Sc. (N.M.T.) Nuclear Medicine Technology Programme for our first batch (Session-2018) at AIIMS, Rishikesh. Total of five (5) B.Sc.(NMT) candidates have appeared this Yr (Feb' 2022) and successfully cleared final exit exam. Now, they are

pursuing Internship. During this period they will be rotated for 3 months in other premier institutes for wider exposure in the subject.

d) Regularly mentoring and creating awareness among MD, DM, M.Ch., residents, MBBS students for, Nuclear Medicine techniques and Radiation protection measures.

e) Participating in inter departmental CMEs with other departments.

f) Regularly conducting academic programmes & interdepartmental activities with other superspecialiy departments including, Endocrinology, Nephro-Urology, Cardiology, Pediatric Surgery, Medical & Surgical Oncology etc. to get wider clinical exposure and enhance learning among MD and DM, MCH fellows.

g) Collaborated with IGNOU & INMAS, DRDO, Delhi for PGC-MDM programme .Conducted second such practical contact session and end term Exam (27-09-2021 and 29-09-2021) for PG certificate course on Medical Management of - CBRNE disaster (PGC-MDM), 07 senior Medical Specialists have successfully cleared Exam this year (Sept. 2021).

h) Regularly teaching Paramedical and Nursing staff on radiation protection measures and practices for safe handling of radionuclide during diagnostic imaging & therapy.

9. Future Plans of Department

Ongoing Proposals for New Equipment's & Site Development

S.NO	Equipment Proposed / Date	Director's Approval	Site Allocation/ SFC Approval	Current Status
1.	PET/CT Scanner	Yes	Approved	YesTender process has been completed Awaiting , Installation
2.	68 Gallium Generator & Imaging with 68 Gallium labelled ligands, e.g. 68 Ga PSMA, 68Ga Dotanoc Imaging	Yes	Yes	Awaiting, site preparation
3.	Cyclotron Facility	Yes	Approved by SFC Site approval pending	SFC Approval received, Site allocation pending
4.	131 I - RAI High Dose Therapy Isolation Ward	Yes	Approved in Jan, 2019	Awaiting, tender process for Turnkey work & procurement of accessories
5.	Dedicated Cardiac SPECT (CTZ)	Yes	Yes	Tender Process awaited
6.	PET - MRI	Yes	Not yet approved	Approval & site allocation awaited

Expansion Planned for the future:

We are aiming to develop a dedicated self-reliant Nuclear Medicine Centre at AIIMS, Rishikesh with world class equipments, patient care, academic & research facility. That can provide essential and comprehensive patient care services under one roof, support academic environment of excellence & facilitate research.

AIIMS, Rishikesh can also serve as a nodal centre to provide advanced diagnostic & therapeutic Nuclear Medicine facility not only for entire Uttarakhand region but also for neighbouring districts.

1. To establish PET/CT with Medical Cyclotron facility at AIIMS, Rishikesh at the earliest.
2. Development of Infrastructure to provide PET- CT imaging with 68Gallium labelled ligands, e.g. 68Ga - PSMA, 68Ga-Dotanoc Imaging, to offer cutting edge technology and to offer targeted, 'Theragnostic' approach for manage-

ment of various cancers including radioligand therapy (RLT) for Carcinoma Prostate & peptide receptor radionuclide therapy (PRRT) for Neuroendocrine Neoplasms.

3. To Establish 131-I Radioactive Iodine High Dose Isolation Ward facility to cater for entire Uttarakhand region
4. Establish dedicated cardiac SPECT (CTZ) camera facility.
5. To establish facility for PET - MRI.
6. To start P.D.C.C. in Functional &Cross Sectional Imaging.
7. To start new Research projects and extramural grants.

Ongoing Proposals for New Academic Programme in 2019:

S.NO	New Academic Programme (s) Initiated	No. of seats Proposed	No. of seats Allocated	Current Status
1.	M.Sc. in Nuclear Medicine	2 per year	NA	Proposed
2.	P.D.C.C. in Nuclear Nephro-Urology	One seat per year	NA	Not yet filled
3.	Cardiac Imaging in collaboration with Dept. of Cardiology	1	1	Approved , one candidate joined
4.	DM - in therapeutic Nuclear Medicine (New)	4	4	Not yet advertised /filled

- We have recently established SPECT-CT facility and developed a new department. The nature and number of research work is expected to rise gradually in due course of time with addition of new essential equipment and therapeutic facility .
- Availability of other essential equipment like PET/CT and Radioiodine Therapy ward facility would also enable us to provide essential patient care facility for our speciality at AIIMS, Rishikesh and facilitate in training students (MD, DM, B.Sc.) more efficiently and enhance the research output.

II) Faculty activities

Dr. Manishi L. Narayan ,
Professor (Officiating) & Head

1. Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Participated as panellist and chaired a scientific session on 'Radiological Artefacts Tubes Wires and Cancer mimics' at the 19th Annual Conference of Association of Nuclear Medicine Physicians of India (ANMPICON-2021) organised by AIIMS, Bhubhaneshwar between 17-19 September 2021

b) Chaired scientific session and participated as panellist and on 'State of art Myocardial Perfusion Imaging' at the 13th Biennial Conference of National Cardiological Society of India (NCSI) held on 2-3rd October 2021 Fortis Escorts Heart Institute & Research Centre , Delhi

c) Chaired scientific sessions on 'Role of PET-CT in Neurological disorders, Strategic use of PET in aggressive breast cancer &on 177 Lu-PSMA therapy' at annual National conference of Society of Nuclear Medicine-India (SNMICON-2021), organized by Nizam's Institute of Medical Sciences, Hyderabad , between 16-18th December 2021.

d) In collaboration with University of Ulm, Germany, Department of Nuclear Medicine, AIIMS, Rishikesh, had hosted a series of Webinars on Theranostics by international faculty, Dr Vikas Prasad Vice Chair, Department of Nuclear Medicine, University Hospital of Ulm, Germany, Head Theranostic Group, Faculty ESMO. Head Theranostic Task Force, ENETS Advisory Board.

e) Participated as Academic Counsellor (Radiological), Academic Coordinator and Exam superintendent for PGC-MDM

programme in collaboration with IGNOU & DRDO. Conducted second practical contact session and end term Exam (27-09-2021 to 29-09-2021) for PG certificate course on Medical Management of - CBRNE disaster (PGC-MDM), 07 senior Medical Specialists have successfully cleared Exam this year (Sept. 2021).

f) Given Lectures on Identification of unknown Radioactive source and its neutralization, ALARA, Interaction of Radiation with matter and clinical application on 18-8-2021 to PGC-MDM (IGNOU, DRDO- Delhi) fellows through online counselling sessions.

g) Conducted practical face to face training & contact sessions for Radiological Disaster Management for PGC-MDM academic programme. A group of 07 candidates had participated for these contact session & end term exam at AIIMS, Rishikesh. Lectures & training given on dealing with Radioactive patient, Working and usage of Radiation Detectors, Management of Radioactive spill and Radioactive Waste, from 27-09-2021 & 28-09-2021

h) As Exam Superintendent, Academic counsellor and Coordinator for AIIMS, Rishikesh, successfully conducted end term exam for PGMDM- CBRME management programme (IGNOU & DRDO- Delhi) on 29-09-2021. All candidates had cleared the exam.

Dr. Aruna Kaushik
(Physicist & Scientist E, I.N.M.A.S, D.R.D.O., Delhi)
Visiting Professor in Department of Nuclear Medicine :

Dr. Aruna Kaushik, joined as visiting Professor in Department of Nuclear Medicine, AIIMS, Rishikesh on 6-08-2021. She delivered lectures on "The Basic Nuclear Physics" to the MD and BSc (Nuclear Medicine technology) students during her first contact session from 27-09-2021 to 09-10-2021. Her subsequent lectures on Nuclear Physics, Instrumentation, Radiation safety & Quality control of Nuclear Medicine Equipments are planned in July - Oct 2022.

B.Sc. (NMT) students (A total of 11 Candidates) were given practical demonstration on all the radiation monitoring and imaging equipment's. Following lectures were delivered by Dr.ArunaK.during this period –

S. No	Lectures	Date	Timing
1.	Measurement and units of Physical world	27-09-2021	4-5 pm
2.	Laws of Motion	28-09-2021	4-5 pm
3.	Electrostatics	29-09-2021	4-5 pm
4.	Current & Electricity	30-09-2021	4-5 pm
5.	Magnetism & Magnetic effects of Current		
6.	Ray Optics	01-10-2021	4-5 pm
7.	Wave Optics		
8.	Electromagnetic waves	06-10-2021	4-5 pm
9.	Dual Nature of Radiation		
10.	Electronics: Semiconductor devices & simple circuits	07-10-2021	4-5 pm
11.	Atom & Nuclei	08-10-2021	4-5 pm
12.	Basic of Radioactivity	09-10-2021	10-11 am

COLLEGE OF NURSING













8.26 COLLEGE OF NURSING

Mission

The mission of College of Nursing coincides with the institute i.e. "we are committed to establish a centre of excellence in nursing education, training, and research imbued with scientific culture, compassion for the sick and commitment to serve the underserved. The vision of College of Nursing is to absorb talent and provide highly trained nursing manpower for the country and conduct research in local, regional and national nursing issues and problems. Team of College of Nursing, works with the aim to ensure the cost-effective evidence-based quality nursing care for individual, family and community through education and grooming the clinically competent, research-oriented nurses.

Programmes offered	Duration of programme	Sanctioned seats
B.Sc. (Hons) Nursing	4 years	100
M.Sc. Nursing	2 years	25
PhD Nursing	3 Years (Full time) & 4 Years (Part-time)	as per availability of Guides

Courses	Current Strength
BSc (H) Nursing-	
1st year	100
2nd year	96
3rd year	100
4th year	97
MSc Nursing-	
1st year	20
2nd year	08
PhD Nursing-	13
Total Students	**439**

M.Sc. Nursing

Sl.No.	Speciality	Sanctioned seats	Students intake (2021)
I.	Paediatrics Nursing	5	5
II.	Psychiatric Nursing	5	5
III.	Obstetrics and Gynaecological Nursing	5	5
IV.	Community Health Nursing	5	5
V.	Medical Surgical Nursing	5	5
1.	Critical Care Nursing		1
2.	CardiothoracicandVascularNursing		1
3.	Neurosciences Nursing		1
4.	Oncological Nursing		1
5.	Orthopaedics Nursing		1
	Total		**25**

The department is manned by 11 faculty members (permanent post) and 24 Tutors on tenure basis.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation	Speciality
1	Dr. Smriti Arora	Professor cum Principal	Pediatric Nursing
2	Mrs. Xavier Belsiyal.	Associate Professor	Psychiatric Nursing
3	Dr. Rajesh Kumar	Associate Professor	Psychiatric Nursing
4	Mrs. Rupinder Deol	Associate Professor	Pediatric Nursing
5	Mrs. Prasuna Jelly	Assistant Professor	Obstetric and Gynecological Nursing
6	Mrs. Malar Kodi	Assistant Professor	Pediatric Nursing
7	Dr. K. Rajarajeswari	Assistant Professor	Community Health Nursing
8	Mr. Maneesh Sharma	Assistant Professor	Medical Surgical Nursing (CTVS)
9	Mrs. Rakhi Mishra	Assistant Professor	Medical Surgical Nursing (CTVS)
10	Mrs. Ruchika Rani	Assistant Professor	Medical Surgical Nursing (Oncology)
11	Dr. Rakesh Sharma	Assistant Professor	Medical Surgical Nursing (Neurosciences)

I) Departmental activities

1. Academic

a) Regular online and offline classes held for BSc (H) Nursing and MSc Nursing conducted as per their time tables and prescribed hours.

b) Academic calendars, Master Rotation plans and Clinical rotation plans prepared for all classes by Faculty Leads

c) Clinical posting of all students done at AIIMS Rishikesh, in various departments of the hospital as per their syllabus and clinical rotation plans.

d) Community health postings done at Khadri, Haripur Kalan and Shanti Nagar

e) Observational visits conducted atPHC Thano, CHC Raiwala, Water treatment plant and Milk Dairy

f) UG and PG dissertations completed. Group research work done by BSc (H) Nursing students and individual dissertations submitted by MSc students.

g) As post covid sequelae, the academic session begin late for all batches.

2. Health Awareness/educational activities organized by the dept

a) 3-5 April 21- Safe motherhood day

b) 7-9 April 2021- World Health Day observation

c) 1-7 Aug 2021- Breastfeeding week celebration was done by preparation of videos, pamphlets and slogans and creating awareness among antenatal and postnatal women attending OPD and inpatients of AIIMS, Rishikesh

d) 7 Sep 21- Organised National Nutrition week celebration through health education activities at OPD and wards of AIIMS, Rishikesh

e) 10 Sep 21- World Suicide Prevention Day organised

f) 10 October 2021- World Mental Health Day

g) 13 Oct 21-Organised Self breast exam day observance at Gynae OPD

h) 30 Oct 21- Organised Breast cancer awareness rally and health education

i) 11 Nov 21- Pneumonia Week celebration

j) 14 Nov 21- Child Rights' Day

k) 17 Nov 21 - Organised School health programme at Haripur Kalan, Mount Marry school

l) 20 Nov 21- Walkathon on awareness regarding antibiotic resistance on the occasion of "World antibiotic awareness week

m) 01 Dec 21- Organised world AIDS day awareness rally and health education activity at Haripurkalan

n) World Immunization Day

3. CME / Workshop / Conference / training organized by the dept

a) 7 Apr 2021- Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine: Referencing at College of Nursing AIIMS Rishikesh.

b) 2-11 Aug. 2021&14-23 Sep. 2021- Organised VIA training program for staff nurses of Uttarakhand in collaboration with Department of OBG

c) Training Programme on Women's Health and Domestic violence against women during COVID-19 pandemic in India (online workshop participated as a co-investigator of WHO Project).

d) 18-24 Nov 2021 - "World Antibiotic Awareness Week" organized by the CON and Department of Medicine at AIIMS, Rishikesh.

e) 9-11 Dec 2021- Academic activities on Nursing Educational Programme and curriculum Development, at College of Nursing AIIMS Rishikesh.

f) 10 March 2022- Organized state-level workshop "Quality improvement in neonatal care through simulation" in collaboration with IANN

g) 11 March 2022- Organized state-level workshop "Care of sick and high-risk neonates" in collaboration with IANN

4. New initiatives of dept.

Module and app-based teaching of newborn nursing and IMNCI

5. Other activities / achievement by Department

a) March 2022- International Women's Day celebrated

b) March 2022- Orientation Week for BSc (H) Nursing, first year students

6. Future Plan

a) Increasing the no. of seats in MSc Nursing

in each super-speciality in Medical Surgical Nursing

b) Plan to start Nursing Education practicals, professional exam, in MSc Nursing first year

c) Collaborations with several National and International Universities

d) Interdepartmental collaborations for research and other academic activities

e) Starting Nurse Practitioner Program in Critical Care Nursing as per INC syllabus

II) Faculty activities

Dr. Smriti Arora
Professor cum Principal

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Organizer and resource person in VIA Training programme from 23 Mar- 1 Apr, 2022 at AIIMS Rishikesh

b) As a Resource person in "Care of sick and high-risk neonates" in Indian Association of Neonatal Nurses (IANN) at CON, AIIMS Rishikesh from 11 March 2022

c) As a Resource person in "Quality improvement in neonatal care through simulation" from 10 March 2022

d). As a Panellist in Panel Discussion – Zero Discrimination Day by SGT University, Haryana on 7 March 2022

e) Resource person in Online POCQI workshop at Jamia Hamdard, New Delhi on 3 March 2022

f) Moderator in Neonatal Resuscitation Programme Shahed Kartar Singh Sarabha College of Nursing, Sarabha, Ludhiana in collaboration with TNAI Punjab State Branch on 15 Feb 2022

g) Invited as Chief Guest for Lamplighting and Oath Taking ceremony CON, Dev Bhoomi University, Uttarakhand on 29 March 2022

2. Awards & honours received

Invited as Chief Guest for Lamplighting and Oath Taking ceremony - CON, Dev Bhoomi University, Uttarakhand on 29 March 2022

Mrs. Xavier Belsiyal C
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource Faculty for Soft Skills Training, Research Methodology workshop for PG students, Basic Life Support Course, Basics of Research Methodology, Biostatistics & Evidence Based Medicine, Research Paper / Manuscript Writing for Nurses @ AIIMS, Rishikesh.

b) Panelist for a webinar on Clinical care Nursing during Covid-19 Pandemic: Challenges and Strategies organised by Society of Critical Care Nursing on 21 May 2021.

c) Resource Faculty for a Symposium presentation on "Uplifting mental health of elderly population: through Inter-Generational - Solidarity (IGS)" during World Asia Pacific Congress, New Delhi (16-18 September 2021)

d) Chairperson for the 20th Annual Conference of Indian Society of Psychiatric Nurses in Collaboration with MM College of Nursing, MM(DU), Mullana, Haryana (02-04 October 2021).

e) Participated in Workshop on ICD-10&ICF organised by Department of CFM and Region Office, Health and Family Welfare, Lucknow @20.10.2021.

f) As Co-Chairperson in World Antibiotic Awareness week Celebration 18-24 November 2021.

g) Participated as an External Expert Member in Board Of Studies for Nursing @,College of Nursing, Dev Bhoomi Uttarakhand University , Dehradun on 07/12/2021.

h) Organizer and Resource Faculty on Nursing Education Programme on Curriculum Development among PG students@AIIMS, Rishikesh (09-11 December 2021).

I) Organizer and Resource Faculty for a Workshop on Palliative Care on 21/12/2021

j) Resource Faculty for Nationwide Training Of Nurses For Capacity Building For Management Of Children In Covid-19 Pandemic And Preparedness Of Nursing Professionals Against The Thirdwave" in collaboration with Himalayan College of

nursing, Dehradun on 22 December 2021.

k) Judge in a Poster for a Forensic Nursing Workshop @ 4th International Conference of Forensic Odontology & Child Abuse in association with IAMLE@KGMU, Lucknow on 31 January 2022.

l) Guest Speaker for a Webinar on Innovation in Teaching Mental Health/community Health Nursing during the Pandemic @Amity College of Nursing, Haryana.(31/01/2022)

m) Chairperson for the paper presentation at the 8th National Nursing Virtual Conference on "Resilience and Reinvention in Nursing Education, Practice and Research towards Excellence" organized by SRM College of Nursing in association with Society for Nursing Practices (SFNP)(10-11 February,2022)

n) Resource Faculty for Nationwide Training Of Nurses For Capacity Building For Management Of Children In Covid-19 Pandemic And Preparedness Of Nursing Professionals Against The Thirdwave" in collaboration with College of nursing and medical Technology, IUST, Kashmir on 14 Feb 2022.

o) Judge for a Debate Competition @SGT University, Haryana on 07 March 2022.

Dr. Rajesh Kumar
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Speaker at a CNE on, 'supporting balance: work and life: Understanding compassion fatigue' organised by Shri Mata Vaishno Devi College of Nursing Under Aegis Shri Mata Vaishno Devi Shrine Board, Jammu, Srinagar on 25-26 November 2021

b) Chairperson for National wide CNE on, 'Preparing for the Mental Health Needs of older Adults' organized and conducted by College of Nursing and Geriatric Psychiatric Unit, NIMHANS in Collaboration with DGHS, MOHFW, New Delhi on 21st March 2022

c) Speaker at 11th Annual Conference "TRAUMA 2021 VIRTUAL" and 2nd Annual Conference of the UP Chapter on a Virtual Platform on, 'Trauma Nursing Care In India: Future Needs of Trauma Nursing Services in Developing Countries' on 19th – 21st November ,2021.

d) Speaker at Indian society of Psychiatric Nursing is organizing 20" Insula conference in collaboration with Maharishi Markandeshwer (Deemed to be University) College of Nursing, Mullana (Ambala) on a session, 'Mental Health Issues of COVID-19 Pandemic Nurses Role' on 2nd to 4th October 2021.

e) Resource faculty for, 'Describing Risk: Absolute Risk, absolute risk reduction, Odds Ratio, Risk Ratio/ Relative Risk, Number Needed to treat' at a workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine organised by CPD in collaboration with College of Nursing AIIMS Rishikesh on 5-7 April, 2021.

f) Resource faculty for, 'Systematic Reviews. Meta-analysis and Meta-synthesis: An Overview; in a workshop Basics of Research Methodology, Biostatistics & Evidence Based Medicine organised by CPD in collaboration with College of Nursing AIIMS Rishikesh on 26-27 August, 2021.

2. Awards & honours received

a) Conferred and Awarded Post Doctorate Fellowship offered by INDEN SIGMA with a stipend of 5200 $ USA at Johns Hopkins University and School of Nursing, Baltimore MD, USA in July 2021.

b) Conferred and Awarded FAIMER Fellowship at Manipal Academy of Higher Education, Manipal (MAHE-Manipal), Karnataka in July 2021.

Mrs. Rupinder Deol
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Organized state-level workshop and resource Person in "Quality improvement in neonatal care through simulation" in collaboration with IANN.

b) Organized state-level workshop and resource Person in "Care sick and high-risk neonates" in collaboration with IANN on 11 March 2022.

Mrs. Prasuna Jelly
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Resource Faculty

a) Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine: Referencing. 07-04-2021 at College of Nursing AIIMS Rishikesh.

b) World Health Day observation; 7-9 April 2021, at College of Nursing AIIMS Rishikesh.

c) National e conference on evidence-based behavioral research" smt. Radhika bai meghe memorial college of nursing, sawangi (meghe), wardha on 1-2/7/2021

d) Transforming Nursing Workforce: How to Build a 'Fit for Future' Workforce on 22-2-2021

e) "SMART Advocacy for Midwifery in India: Virtual Workshop" on 26th& 27/8/2021

f) State level workshop on the care of sick and high-risk neonates on 10&11 march 2022

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Webinar on 32nd ICM triennial congress from 01-06-2021 every Wednesday for 5 days Sponsored by White Ribbon Alliance

Mrs. Malar Kodi S
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Keynote speaker in 8th National Nursing virtual conference on resilience and reinvention in nursing education, practice, and research towards excellence at SRM College of Nursing Chennai, Tamil Nadu, in association with society for nursing practice (SFNP).

b) Organized state-level workshop and resource Person in "Quality improvement in neonatal care through simulation" in collaboration with IANN.

c) Organized state-level workshop and resource Person in "Care sick and high-risk neonates" in collaboration with IANN on 11 March 2022.

d) Resource person for various courses (Basics of Research Methodology, Biostatistics & Evidence-Based Medicine, Professionalism, Interpersonal, Communication Skills, and Ethics)

e) Moderator in a symposium on scope of advanced nurse practitioners organized at AIIMS, Rishikesh.

f) Resource faculty in a workshop on Ethical integrity and professional values: sharing real; life experiences" at AIIMS, Rishikesh.

2. Awards & honours received

Best research paper presentation (1st prize) in 2nd International conference on nursing science and health care. Organized by Society for Nursing Practices.

Dr. K Rajarajeswari
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Completed ATCN provider course and received instructor potential

b) Coordinator for Manuscript writing workshop for Nursing personnel of AIIMS, Rishikesh

c) Speaker in the IANN workshop on care of sick and high risk neonates on 11.03.22

Mr. Maneesh Sharma
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource faculty : Webinar organized by National institute of disaster management, New Delhi" in association with Society of critical care Nursing, Chandigarh.

b) Resource faculty : Orientation program for nursing officers organized by dept of nursing services and CPD

a) Subject matter experts for "ECG capacity building course" organized by society of

cardiac nurses, Delhi

b) Resource faculty : Training of trainers (TOT) in COPD module for medical officers with department of pulmonary medicine in association with national health mission

Ms. Rakhi Mishra
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource Faculty on Virtual Academic Activity on "World Liver Day" dated 19th April 2021.

b) Resource Faculty on Virtual Activity on prevention & management of needle stick and Sharp Injuries dated April 2021.

c) Moderator on the webinar "One Health Approach towards Antimicrobials Stewardship Practices" World antimicrobial awareness week held on 24.11.2021, during Antimicrobial Awareness week at AIIMS, Rishikesh

d) Resource Faculty on Research Methodology workshop conducted by Advanced center of continuous Professional development dated 5th-7th Apr 2021, 26th-27th Aug 2021,21st-22nd Sept 2021, 4th-5th Oct 2021, 11th- 12th Oct 2021, 20th -21st Oct 2021, 22nd-23 Nov 2021,1st-2nd Dec 2021 for nursing Cadre.

e) Resource Faculty on workshop "Professionalism, Interpersonal communication skills and Ethics for Nurses" conducted by Advanced center of continuous Professional development dated 16th Apr 2021,12th July 2021,13th Aug 2021,18th Oct 2021.

f) Resource Faculty at 3rd National Conference on Antimicrobials Stewardship Practices in India conducted by AIIMS Patna dated 3rd-4th Dec 2021.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Resource Faculty on International webinar on latest trends in nursing education in collaboration with Nursing division of Ministry of Health and Family Welfare, New Delhi dated 9th -11th Oct 2021.

3. Awards & honours received

Received the appreciation Certificate for the outstanding work and significant contribution in creating awareness & sensitization in the community during the COVID-19 pandemic as a member of the COVID-19 Community Task Force.

Mrs. Ruchika Rani
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest Speaker in Workshop- Presented a Guest Lecture in the 6th CNE Webinar held on Updates on Oncology Nursing conducted by College of Nursing, JIPMER, Puducherry, India. (18th and 19th February 2022)

b) Guest Speaker in Virtual Webinar- Care of cancer patients during chemotherapy at M.M College of Nursing on 26th March 2022.

c) Resource Faculty on Research Methodology workshop conducted by Advanced center of continuous Professional development dated 5th-7th Apr 2021, 26th-27th Aug 2021,21st-22nd Sept 2021, 4th-5th Oct 2021, 11th- 12th Oct 2021, 20th -21st Oct 2021, 22nd-23 Nov 2021,1st-2nd Dec 2021 for nursing Cadre.

d) Resource Faculty on the workshop "Professionalism, Interpersonal communication skills, and Ethics for Nurses" conducted by Advanced center of Continuous Professional Development dated 16th Apr 2021,12th July 2021,13th Aug 2021,18th Oct 2021.

e) Resource Faculty on Research Paper and manuscript writing Workshop dated 21stvAugust 2021, 28th August 2021, 12th November, and 24th November 2021.

f) Contributed as Convenor in the 3rd National Biomedical Research Competition was organized with the Society of Young Biomedical Scientists (SYBS) India from 6th -10 December 2021

g) Contributed as Organizing Secretary in the one-day workshop on Palliative care for B.Sc (N) 3rd year on 24th November

2021

Dr. Rakesh Sharma
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Resource Faculty:

a) 10th Annual conference of Neurological Surgeons Society of India -Nursing symposium coordinator; coordinator. A virtual conference 4-5 March 2022.

b) Academic activities on Nursing Educational Programme and curriculum; 9-11 Dec 2021, at College of Nursing AIIMS Rishikesh.

c) World Health Day observation; 7-9 April 2021, at College of Nursing AIIMS Rishikesh.

d) Resources faculty in ATCN provider courses at AIIMS Rishikesh and AIIMS Jodhpur.

e) Webinar on the Theme "Be A Game Changer: Make A Difference", on 7th August, 2021; organised by Smt. Nagarathnamma College Of Nursing, Bangalore.

f) Workshop on Basics of Research Methodology, Biostatistics & Evidence Based Medicine: Referencing. 07-04-2021 at College of Nursing AIIMS Rishikesh.

Participated

a) Promotion of Mental Health of Healthcare Providers during COVID-19 Pandemic. Organised by Department of Psychiatric Nursing, Central Institute of Psychiatry (CIP) Kanke, Ranchi, Jharkhand and Funded by Directorate General of Health Services, Ministry of Health & Family Welfare Government of India & World Health Organization WHO – India. September 2021.

b) National Webinar addressing childhood obesity through Front of package labelling (FOPL). 4-3-2022, organised by AIIMS Rishikesh, & AIIMS Bhatinda.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource person - Pannalist in a panel discussion in the International Virtual Conference-SPNCON-2022, 24-25 March 2022. Organised under the aegis of Society of Perioperative Nursing (SPN) India andCollege of Nursing, All India Institute of Medical Sciences Jodhpur, Rajasthan.

b) Resource person - International webinar on 'Basic Life Support -Essential Skills' on 2-10-2021, organised by Global Indian Nursing Association.

c) Participated ISWCAP &Asean Virtual Wound Conference, 19-20 June 2021.

3. Awards & honours received

a) Selected for Post-Doctorate Fellowship under Nursing research society of India (NRSI).

b) Certificate of excellence in reviewing awards in the Indian Journal of Medical Paediatric and oncology-2021.



DEPARTMENT OF OBSTETRICS & GYNAECOLOGY







8.27 OBSTETRICS & GYNAECOLOGY

The department of Obstetrics and Gynaecology consistently strives for excellence in all forts including updated patient care, student teaching and research. The department aims to embrace empathy and uphold humanism in patient management and also provide healthy work environment for all. The department also intends to mentor students so that they represent the health care globally and continue the art of teaching.

Department has following faculty members –

Sl.No.	Name of Faculty/SR/JR/Scholar	Designation
1	Prof Jaya Chaturvedi	Professor and Head of Department
2	Prof Shalini Rajaram	Professor
3	Prof Anupama Bahadur	Professor
4	Dr Latika Chawla	Associate Professor
5	Dr Amrita Gaurav	Associate Professor
6	Dr Rajlaxmi Mundhra	Associate Professor
7	Dr Kavita Khoiwal	Associate Professor
8	Dr Ruby Gupta	ANC Medical Officer

I) Departmental activities :

1. Academic activities

a) Undergraduate

- Students of 2 MBBS Batches 2018 and 2019 had theory classes in obstetrics and gynaecology department. The theory classes were taken by faculty in the form of lectures, demonstrations, tutorials with focus on interactive and problem-based learning. There was also enhancement of interactive system with faculty actively moderating the presentations made by students.
- Students of two batches 2019 and 2020 were posted in Obstetrics and Gynaecology department on rotation for clinical posting. Clinical postings were supervised by faculty/senior residents. The postings were followed by ward leaving internal assessment which was a 360 degrees evaluation of the knowledge and skills gained by the students during the posting using cases presentations and OSCE.
- The clinical teaching of MBBS 2019 batch (4th and 5th semesters) included skill base learning using mannequin and simulators in small Batches. It included interactive learning of bed side skills, labour management and gynaecological procedures. Log book was maintained by the students.
- The 2017 batch (8th and 9th semester) clinical postings included bedside skill development, discussion of variety of cases by faculty for deeper understanding of the subject and enhancement of skill-based learning using mannequin and simulators. Development of soft skills was encouraged. Common Labour room and OT procedures were observed by students and recorded in Log books.

b) Postgraduate teaching

- Seminars on Zoom meetings presented by PG student moderated by faculty and senior resident.
- Journal Club on Zoom meetings presented by postgraduate students and moderated by faculty
- Case presentation in Obstetrics and Gynaecology moderated by faculty and senior resident on Zoom meetings
- Bedside clinical teaching on ward rounds daily
- OPD and Ward posting as per roster.
- Skill based learning using simulators and mannequin
- Graduated learning by observing, assisting, performing with assistance and under supervision various common procedures in Minor OT, Major OT and Labour Room.
- Monthly internal assessment of students by faculty including clinical vignettes and practical assessment by OSCE and case presentations

c) PDCC in Maternal and Fetal medicine:

- Seminars moderated by faculty on Zoom meetings
- Learning in OPD, ward, Observing, assisting and performing common procedures with assistance
- Learning on simulators for common conditions
- Monthly assessment

d) MCh Gynae Oncology

- Seminars moderated by faculty on Zoom meetings
- Learning in OPD, ward and OT
- Observing, assisting and performing common procedures with assistance
- Regular Internal assessment.

2. OPD Services

Total number of patients who availed OPD services were

ANC OPD : 2693 patients
Gynaecology OPD : 37500 patients

Minor OT services and ultrasonography were also provided on Outpatient basis in Obstetrics and Gynaecology

USG	: 350
EA+ECC	: 190
D&C	: 35
Polypectomy	: 15
Cervical biopsy	: 38
Suction evacuation	: 10
Pap smear	: 1640
Suture removal	: 56
Resuturing	: 3
Pyometra drainage	: 7
Amniocentesis	: 57
Colposcopy	: 65
Colposcopic guided cervical biopsy	: 42

Regular teleconsultations provided by all consultants

3. IPD Services

Obstetrics	: 9680
Gynaecology	: 970
Total number of admissions	: 10650

4. Major/Minor OT Services

Vaginal deliveries	: 286
Caesarean delivery	: 851
Open/laparotomy and vaginal procedures for benign indications	: 463
Laparoscopic procedures	: 29
Robot assisted Procedures	: 31
Gynaecological oncology procedures	: 104

5. Maternal mortality

Total number of maternal mortality cases : 36

6. Health awareness / educational activities organized by department

Training imparted to 50 OBGYN residents (junior, senior &MChGynecologic Oncology trainees), on 'Cervical cancer Screening: Modalities & Techniques'; theory and practical sessions to improve facility preparedness and capacity building for cervical cancer elimination, WHO SEARO Project, 29th Dec 2021

7. CME/ workshop/ conference / training organized by department

'Cervical cancer screening using visual inspection with acetic acid' – 10 dayVIA Training program for Staff nurses, Uttarakhand Govt. Funded by National Health Mission to train 100 staff nurses from primary health centers from all districts in

Conducted 3 training programs of 10 days each

- 2nd – 11th August 2021.
- 14th to 23rd September 2021
- 23rd March – 1st April 2022.

Trained 60 staff nurses from PHCs till date. 18 staff nurses of Dept. of Obstetrics &Gynecology, AIIMS Rishikesh also trained. Trained staff nurses will start screening in respective centers after training.

8. New initiative of department

Inauguration of the ART centre with Intrauterine Insemination (IUI) and In-Vitro Fertilization (IVF) facilities on 8th October 2021. Centre has till date conducted two batches of IVF and 68 cycles of IUI

II) Faculty activities :

Dr. Jaya Chaturvedi
Professor and Head

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Participated as faculty and chaired a session on Dilemmas of early pregnancy scan organized by Uttarakhand ob gynae society on 21-01-2022

b) Participated as panelist in webinar on ''placenta and PIH'' on 19.10.21

c) Participated as Faculty(speaker) in "COVID 19 IN PREGNANCY" webinar on 21.05. 2021.

d) Participated as guest of honour& chairperson in webinar curbside clinics on gestational hypertensive diseases.

e) Participated as panelist in "strengthening health service delivery and health provider's capacity to respond to violence against women and girls on 25.03.22

f) Chairperson in Pan symposium on understanding hypertension in pregnancy held on 11.11.2021.

g) Participated as faculty (panelist) in a Webinar on "OVARIAN RESERVE MANAGEMENT" on 12/06/2021 (e Leap CME)

h) Lecture in border road organization on gynae health on 08.03.2022 on women's day. Participated as faculty and speaker in "webinar on nutrition and health related problems in adolescent and young girls.

b) 10.Participated in VIA training programs for staff nurses of uttarakhand as resource person.

2. Awards & honours received

a) Received UCOST Women Excellence Award 2022 on 8th March (International Women Day)

b) Received award from Cabinet minister Hon Sri Subodh Uniyal for contribution in health services on International Women's day on 8th March

Dr. Shalini Rajaram
Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest Lecture Approach to a case of post-coital bleeding / suspicious cervix. Indian College of Obstetrics &Gynecology Online course in Gynecologic Oncology, 4th September 2021.

b) Moderator Panel Discussion on Challenges & Dilemmas in Management of Ovarian malignancy in young women. FOGSI Gynecologic Oncology Committee webinar on Ovarian Masses, 12th September 2021

c) Guest Lecture. Hereditary Gynaecological cancers and Oncofertility Ovarian Cancer-How to test? Indian College of Obstetrics &Gynecology Online course in Gynecologic Oncology, 2nd October 2021

d) Guest Lecture, Prevention of Endometrial cancer, AICC-RCOG Annual Conference, 3rd October 2021

e) Panelist - Panel Discussion. Management of Germ Cell & Sex cord Stromal Tumors - Surgery first or Chemotherapy? Association of Gynecologic Oncologists of India, Annual Conference AGOICON 2021, 12th - 14th November 2021, Kolkata

f) Guest Lecture, Training in Gynecologic Oncology in India – Annual conference AGOICON 2021, 12th - 14th November 2021, Kolkata,

g) Chairperson Debate: Surgery will only be an adjuvant treatment in the management of advanced epithelial ovarian cancer in the near future. Annual Conference AGOICON 2021, 12th - 14th November 2021, Kolkata

h) Chairperson: Video workshop Trachelectomy, Annual Conference, AGOICON 2021, 12th - 14th November 2021, Kolkata

i) Moderator Open Radical Hysterectomy (live surgery), "17th Annual Surgical Oncology Virtual Workshop ONCOSURG 2021" Dept of Surgical Oncology, Tata Memorial Hospital, Mumbai, 19th November, 2021

j) Moderator Panel Discussion: Case Based Discussion: Management of precancer of cervix, vulva, vagina. 4th Dec 2021 Annual Conference of AOGIN India, Delhi

k) Panelist Panel Discussion. Adnexal masses at different stages of life. Annual conference of AICC- RCOG North Zone, 12th Dec 2021.

l) Guest Lecture Current Concepts in Screening & Treatment of Preinvasive Disease of Cervix, Annual Conference, Moradabad Obstetrics &Gynecology Society, 2nd February 2022.

m) Guest lecture. Practice of IOTA rules in the management of adnexal masses in late reproductive years. Greater Noida Obstetrics &Gynecology Society (GNOGS), UP, Annual Conference, 12thFebruary, 2022

n) Moderator Panel Discussion, Endometrial Hyperplasia and endometrial cancer in young women: case based discussion. Gynae Oncology Updates. In association with Dehradun, Harldwani, Haridwar, Kashipur, Roorkee &Rudrapur, Obstetrics &Gynecology Society, 15th March 2022

o) Moderator Panel Discussion, Case Scenarios in ovarian tumor, Update on Ovarian Tumors, Uttarakhand Society of Obstetricians &Gynecologists, 10th February 2022

p) Panelist, Panel discussion, First Colposcopy MDT under aegis of AOGIN India, AIIMS Delhi, 11th March 2022

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Debator: Can AI replace the Colposcope (against the motion) vs. Dr. Walter Prendeville (UK) (for the motion), Plenary session, 17th International Federation of Colposcopy and Cervical Pathology, World Congress, 1st -5th July 2021

b) Panelist, Panel Discussion by AGOI-Controversies in Managing Early Cervical Cancer, International Federation of Colposcopy and Cervical Pathology 17th IFCPC World Congress, 1st – 5th July 2021

3. Awards & honours received

Awards for Research presentations

a) Commemorating Golden Jubilee Celebrations of UCMS & GTBH (2021) thesis of six postgraduates (four as chief supervisor and two as co-supervisor) were adjudged best thesis and 'Late Dr. Kusum Pandit Memorial Award' awarded

- Evaluation of idiopathic chronic pelvic pain: quest for a tubercular etiology
- Serum elastin and 25 hydroxy vitamin D levels in women with pelvic organ prolapse
- Thermal Balloon ablation in myoma induced heavy menstrual bleeding: Randomised control study
- Evaluation of h-TERC gene expression in cervical cytology as a marker of histologic grade of cervical intraepithelial neoplasia
- Evaluation of revised active phase of labor with obstetric outcome
- PAX-1 methylation levels in cervical scrapings as a novel diagnostic biomarker in high grade cervical intraepithelial neoplasia and invasive cancer.

b) Second prize (Free paper category) 'Outcomes of skill-based educational program for cervical cancer screening using visual inspection with acetic acid for staff nurses of Uttarakhand'. 10th National AOGIN India Conference ,4th -5th December 2021, AIIMS Delhi. (Co-author)

c) Third prize (Free paper category) 'Knowledge assessment of healthcare workers on cervical cancer screening and vaccination after training on visual inspection with acetic acid'. 10th National AOGIN India Conference, 4th -5th December 2021, AIIMS Delhi. (Co-author)

Dr. Anupama Bahadur
Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Moderator for panel discussion on "IUGR" at MILAN-FOGSI NNF Perinatal Meet-ODISHA State organized by NNF Odisha & amp; Bhubaneshwar Obs & amp; Gyn Society on 12 th June-13 th June 2021.

b) Moderator for virtual panel discussion on "Challenging Situations for Vaccination in women" organized by FOGSI on 10 th November 2021.

c) Faculty/Moderator for virtual panel discussion in 17 th Annual conference of IFS, FERTIVISION 2021 on topic "Intramyometrial fibroids- are we concerned?" held on 10 th December 2021.

d) Invited Speaker at IFS Uttarakhand Meet 2021 on topic " Optimising IUI" held on 19 th August 2021.

e) Invited Speaker at MILAN INTERNATIONAL- FOGSI NNF Perinatal Meet, Bangladesh on topic " Prevention of neonatal infections" held on 28 th August-29 th August 2021.

2. Awards & honours received

a) UCOST Women Excellence Award 2022 on 8th March 2022, International Women Day

b) Second prize (Free paper category) 'Outcomes of skill-based educational program for cervical cancer screening using visual inspection with acetic acid for staff nurses of Uttarakhand'. 10th National AOGIN India Conference, 4th -5th December 2021, AIIMS Delhi. (Co-author)

Dr Latika Chawla
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest lecture in YUVA Fogsiconference , 4th April 2021 on the topic "Vaccination In Pregnancy"

b) Guest lecture with video presentation in E workshop on Sound Vision, Less confusion sonography in Obstetrics and Gynaecology at the YUVA Fogsi conference, 4th April 2021 on the topic " IUT /Cordocentesis"

c) Guest lecture with video presentation at the IFS Uttarakhand Chapter, 2021 Virtual meet on 12th June 2021 on the topic "Biochemical Screening in IVF pregnancies"

d) Participated as a panellist in a panel discussion on Prevention of autosomal disorders by obstetricians in the "Curbside Clinic" organised by the Dehradun OBGYN society with Genetic and fetal medicine committee FOGSI on 24th August 2021.

e) Resource faculty in the ATLS course held at AIIMS Rishikesh from July 22 to July 24th 2021

f) Resource faculty in the ATLS course held at AIIMS Rishikesh in August, 2021

2. Awards & honours received

Awarded a Certificate of Appreciation on National Doctor's Day, at AIIMS Rishikesh on 1st July 2021 for exemplary services during COVID 19 pandemic

Dr Amrita Gaurav
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource person for VIA/VILI training program for staff nursesof State Government of Uttarakhand.

b) Panelist for panel discussion on Impact of Covid 19 on Pregnancy 21 st May 2021 by Dehradun society of Obstetricians and Gynecology

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Oral Paper presentation in 17th World Congress of Cervical pathology and colposcopyon the theme 'Eliminating Cervical Cancer-Call for Action' 1st -5th July 2021

b) E poster presentation in 17th World Congress of Cervical pathology and colposcopy on the theme 'Eliminating Cervical Cancer-Call for Action' 1st -5th July 2021

c) E poster presentation in European Society of Gynecological Oncology 2021 Congress, October 23-25, 2021, Prague, Czech Republic.

d) Online Course in Bowel Surgery for Gynecological oncologist by European Society of Gynecological Oncology, 2022.

Dr Rajlaxmi Mundhra
Associate Professor

1. NationalCME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Talk on Respectful Maternity Care at MILAN-FOGSI NNF Uttarakhand & Himachal Pradesh Chapter (24-25th April 2021)

b) Faculty for VIA Training Program for Staff Nurses of Uttarakhand Government 2nd - 11th August 2021

c) Judge for E-Poster presentation at 27th Annual Conference of NARCHI Delhi from

27th-29th August 2021

d) Talk on Intrapartum Monitoring at MILAN FOGSI NNF Perinatal Meet Assam on 4th September 2021

e) ATLS Instructor 6-8th September 2021 at AIIMS Rishikesh. Taken lectures on Shock & Trauma in pregnancy. Taken skill stations on Circulation and disability.

f) Faculty for VIA Training Program for Staff Nurses of Uttarakhand Government 14th - 23rd September 2021

g) Talk on Elective Caesarean section-implications Obstetric point of View at MILAN-FOGSI NNF Perinatal meet Goa & Maharashtra Chapter (4th -5th December 2021)

h) Chairperson in the lecture on National Programmes on 17th February 2022 in Virtual CME and PG teaching program 2022 organised by Dept of Obst& Gynae, MMIMSR, Mullana, MMDU, Haryana.

2. Awards & honours received

Received UCOST Women Excellence Award 2022 on 8th March (International Women Day).

Dr. Kavita Khoiwal
Associate professor

1. NationalCME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Presented an E-poster titled "Vertical transmission of SARS-CoV-2: A possibility" at FERTIVISION 2021 on 12/12/2021 (Kavita Khoiwal, DeepjyotiKalita, Amrita Gaurav, Anupama Bahadur, Jaya Chaturvedi).

b) Presented an E-poster titled "DOCUMENTATION OF SARS-COV-2 IN THE FEMALE LOWER GENITAL TRACT" at FERTIVISION 2021 on 10/12/2021 (Kavita Khoiwal, Deepjyoti Kalita, Amrita Gaurav, Ranjeeta Kumari, Prasad K Panda, Anupama Bahadur, Jaya Chaturvedi).

c) Presented an E- poster titled "PRESENCE OF SARS-CoV-2 IN THE LOWER GENITAL TRACT OF COVID POSITIVE WOMEN" at the NOESIS 2.0 conference by POGS on 11-12 September 2021.

d) Presented an oral presentation titled "Detection of SARS-CoV-2 in biological samples of pregnancy in COVID-19 infected women" at AICC RCOG Annual Conference on 1-3 October 2021.

e) Presented an E-poster titled "Evaluation of SARS-CoV-2 in the vaginal and cervical fluid of COVID infected women" at AICC RCOG Annual Conference on 1-3 October 2021.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource person for the Webinar on Recapturing Insights of Diabetes & Health Care and delivered a guest lecture titled "Recent Advancement in Management of Gestational Diabetes" on 15-03-2022.

b) Presented an E-poster titled "Detection of SARS-CoV-2 in the lower genital tract of women with active COVID-19 infection" at XXIII FIGO World Congress of Gynecology and Obstetrics on 21-28 October 2021.

3. Awards & honours received

Received 1st Prize for E- poster titled "PRESENCE OF SARS-CoV-2 IN THE LOWER GENITAL TRACT OF COVID POSITIVE WOMEN" at the NOESIS 2.0 conference by POGS on 11-12 September 2021.

DEPARTMENT OF OPHTHALMOLOGY







8.28 OPHTHALMOLOGY

Vision of our department is to become the centre of excellence in Ophthalmology by delivering and advancing excellence in training, research and clinical practice.

The Mission of our department is to educate and mentor the future clinicians, teachers and scientists; lead in the delivery of the highest quality of patient care contributing to the eye care needs of society, our communities and improving the health of individuals and populations locally and globally.

Our Goal is -

a) To develop a centre of excellence in ophthalmology at AIIMS Rishikesh. To cultivate faculty members who are known as "the final authority" in their subspecialty of ophthalmology, and to develop the Eye Institute as a regional and international centre of excellence for treatment of vision disorders.

b) To provide Competency based Medical Education where the undergraduate and post graduate should be trained professionally with learning of effective communication with patients and their relatives in a manner respectful of the patient's preferences, values, beliefs, confidentiality and privacy.

c) To providing excellent patient care and community services to help in eliminating preventable and treatable cause of blindness in the community and our country.

d) To develop subspecialty training centre.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. S. K. Mittal	Head & Professor
2	Dr. Ajai Agrawal	Professor
3	Dr. Vinita Gupta	Additional Professor
4	Dr. Anupam	Additional Professor
5	Dr. Neeti Gupta	Associate Professor
6	Dr. Ramanuj Samanta	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate

01 Batch VI of 2018 batch are currently being taught in Ophthalmology. Teaching is done through lectures, seminars, demonstration, tutorials& clinical patient based methods. Formative & Summative assessment is done as per institutional academic protocols.

b) Undergraduate (Paramedical):

Optometry 3 Batches (19 students) - are currently being taught in Ophthalmology Through Optometry tutor ,Senior Residents & Faculty

c) Postgraduate

- 02 batches July 2017 & January 2018 have already passed out.
- 06 batches [Comprising total 23 Candidates July 2019 (01) , January 2020 (06), July 2020 (04), January 2021(06), July 2021 (02) and January 2022 (04)] are currently undergoing MD Ophthalmology, training through clinical case presentation, journal, seminar, OPD, IPD, OT & thesis based methods as per standard institutional protocols.

2. OPD Services

OPD patients- 22,426 (number of patients seen in ophthalmic OPD requiring specialized tests). Other than this, many patients were seen in common screening OPD during COVID-pandemic as per standard institutional protocol.

3. IPD Services - Total IPD patients– 536

4. Diagnostic Services

Department of Ophthalmology provides various subspeciality services including cataract, glaucoma, squint, oculoplasty, vitreo-Retina & retinopathy of prematurity (ROP) services, cornea & ocular surface services, eye Banking and corneal transplant services. However, speciality

services were limited in the current year due to COVID pandemic.

5. Major/Minor OT Services

Major Cases– 817
Minor Cases–624
Total cases– 1441

6. Special Clinics

The department runs various special clinics including Vitreo-Retina Clinic, Glaucoma Clinic, Squint &pediatric ophthalmology Clinic, and Cornea & Ocular surface clinic. The speciality clinic patients were seen during routine OPD times in a restricted way due to COVID-19 pandemic.

7. Health awareness/ educational activities organized by department

a) Department of Ophthalmology participated actively in Netra Kumbh, Haridwar from 1st April 2021 to 28 April 2021. The total number of patents seen during Netra Kumbh Hardiwarwas 3941.

b) 36th Eye donation fortnight was observed from 3rd September to 8th September 2021 by raising awareness of MBBS, nursing students, hospital staffs and common people regarding eye donation. Various educational webinars and Cyclathon were also organized by Rishikesh Eye Bank during this period

c) Education activities in World Sight Day on Thursday 14th October, 2021.

d) Department of Ophthalmology conducted an eye screening camp (including screening for diabetic retinopathy) at Shivanand Ashram Ganeshpur, Uttarkashi from 18.10.2021 to 20.10.2021.

e) Department of Ophthalmology participated actively in Geeta Kuteer at Tapovan Haridwar from 19.10.2021 to 23.10.2021. The total number of patients seen during camp was 202.

f) Educational activities in Glaucoma awareness week 6th March 2022 to 12th March, 2022. Organized public awareness activities by NukkadNatak at Triveni Ghat.

8. CME/ workshop/ conference/training organized by department

a) Department of Ophthalmology hosted Webinar on “Update on Retinoblastoma” on 2ndJuly, 2021.

b) Webinar organized on “Eye banking and corneal transplantation in Uttarakhand” under the aegis of UKSOS & EBAI on 3rdSeptember, 2021.

c) Department of Ophthalmology hosted Webinar on various aspects of blindness and its prevention on "World Sight Day” on 14thOctober, 2021

9. Other activities / achievement by Department :-

All faculties, residents and staffs of Ophthalmology department participated actively in management of COVID-19 pandemic as per institutional protocol.

10. Future plans of department

a) To establish Tele-ophthalmology module in Uttarakhand State

b) Up gradation to Advanced eye Centre with all sub specialities in Ophthalmology

c) To start Refractive surgeries in near future

d) To start fellowship programmes in Cornea &Vitreo-retina.

II) Faculty activities

Dr Sanjeev Kumar Mittal
Professor & Head

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Webinar-Speakar 3 June,21. Organized by Theime publisher. Topic: Clinical Symptomatological Approach to Ocular Diseases

b) Chairperson-Retina subspecialty for General Ophthalmologists 23 June All India Ophthalmic Conference, Kolkata (VIRTUAL)

- GP135 Retina Subspeciality Day - Section 1: What To Do When Patient Complains Of Chairperson 23/06/2021 | 12:00 - 13:00 | Von Graefe Hall
- FP337 A comparative analysis of morphometric changes in the anterior chamber angle after cataract surgery Chief Author 24/06/2021 | 09:30 - 10:55 | HELMHOLTZ Hall
- Faculty Talk-ACOIN SESSION 1 - (Session I - Current Scenario : Community Eye Health in Indian Subcontinent Today)

Speaker 24/06/2021 | 16:30 - 17:05 | SCHEPENS Hall

- FP645 Etiologies and characteristics of Optic Disc Edema in a Tertiary Eye Care Centre in India Co-Author 25/06/2021 | 08:30 - 09:55 | AHMED Hall
- Poster Podium Presentation - Orbit &OculoplastyChairperson & Judge 25/06/2021 | 08:30 - 09:55 | STALLARD Hall

c) Speaker welcome address and Introduction to topic , Retinoblastoma Update , 2 July, 21,

d) CME-Ophthalmology Medley by SS Med College Rewa(Virtual) dated 13 August 2021- Guest Lecture _Artificial Intelligence in Ophthalmology

e) ACOIN annual conference, Kolkata (virtual participation): Invited Talk Artificial….

f) DOS, New Delhi- FOPI Virtual session "Practice to Perfection". 30.09.2021 (Judge)

2. Awards & honours received

a) Teacher's Award by AIIMS Rishikesh on 05.09.2021.

b) Mentor-ship and technical collaboration for the project on development of a screening checklist and manual thereof for teachers and caregivers by National Institute for the Empowerment of Persons with Visual Disabilities (Divyangjan) Dehradun, Uttarakhand (file comp no E6821, August 2021)

c) MOU with Petroleum University, Dehradun

d) Member, Executive committee, Uttarakhand DST, Dehradun

e) Nominated member, management committee, Kendriya Vidyalaya, Rishikesh

Dr. Ajai Agrawal
Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) "Anterior segment complications in Covid-19" - 79th Virtual Annual Conference of All India Ophthalmological Society.- 24.06.2021

b) "Genetics of Retinoblastoma"- Webinar on "Update on Retinoblastoma" organized jointly by, All India Institute of Medical Sciences, Rishikesh and Uttarakhand State Ophthalmological Society. 02.07.2021

c) Moderator in Uttarakhand State Session- 11th Hybrid Annual Conference of Association of Community Ophthalmologists of India (ACOIN), Kolkata.- 22.08.2021

d) Moderator in CME - Virtual CME on "Eye Banking and Corneal Transplant" organized by All India Institute of Medical Sciences, Rishikesh under the aegis of UKSOS, EBAI and ACOIN. - 03.09.2021

e) Hall panelist in Live Surgery Session - 17th Hybrid Annual Conference of Uttarakhand State Ophthalmological Society - 16.10.2021

f) "Step by step approach to managing pediatric glaucoma"- 17th Hybrid Annual Conference of Uttarakhand State Ophthalmological Society - 17.10.2021

g) State Co-ordinator in GSI- Uttara Eyecon Session- 17th Hybrid Annual Conference of Uttarakhand State Ophthalmological Society - 17.10.2021

h) Moderator in Free Paper Session-I- 17th Hybrid Annual Conference of Uttarakhand State Ophthalmological Society - 17.10.2021

i) Panelist in National Symposium on Glaucoma- 55th Hybrid Annual Conference of Uttar Pradesh State Ophthalmological Society - 11.12.2021

j) "Target intraocular pressure in glaucoma" - Hybrid 55th Annual Conference of Uttar Pradesh State Ophthalmological Society - 12.12.2021

2. Awards & honours received

a) Awarded President's Certificate of Appreciation for outstanding work in Ophthalmology by Uttarakhand State Ophthalmological Society (October, 2021).

b) Co-author of scientific paper titled "A Study on the Effect of Acute and Chronic Hyperglycaemia on Intraocular Pressure in Type 2 Diabetic Patients" which was awarded First Prize at Sixth International Diabetes Summit (Pune, March 2022).

Dr. Vinita Gupta
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) As instructor provided lecture based training on 'Anatomical, Physiological aspects with Emphasis on Autoregulation and Vascular Risk factors"- in Instruction Course on Ocular Blood Flow: Demystifying the Pandora Boxat 79th AIOC, Annual Conference of All India Ophthalmological Society in June 2021

b) As instructor provided lecture-based training on 'did I make the Right Choice: Choosing the Right Surgery? in Instruction Course on Surviving the Roller Coaster of Filtering Surgery in Glaucoma: Practical tips at79th AIOC, Annual Conference of All India Ophthalmological Society in June 2021

c) As instructor provided lecture based training on Pearls and Perils of Biometry basics in Instruction course -"Dioptric Distress : Biometry Solutions for All Situations-Targeting Eagle's Eye Vision at 79th AIOC, Annual Conference of All India Ophthalmological Society in June 2021

d) As instructor provided lecture based training on Biometry in Tender eyes in Instruction course -"Dioptric Distress : Biometry Solutions for All Situations-Targeting Eagle's Eye Vision at 79th AIOC, Annual Conference of All India Ophthalmological Society in June 2021

Dr Anupam
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) As Delegate in 79th Annual Conference of AIOS, June 24th -27th2021.(Virtual)

b) Moderated a webinar; Update on Retinoblastoma, organized by the Department of Ophthalmology on 2nd July 2021

c) Chaired a video session in Annual conference of UKSOS on 16th Oct 2021.

d) Chaired a strabismus session of Annual conference of UKSOS on 17th Oct 2021.

e) Delivered a Faculty lecture in strabismus session of Annual conference of UKSOS on 17th Oct 2021.

f) As Faculty in 8th Annual Conference of SPOSI, 17th-19th Dec 2021 at AIIMS Bhopal (Physical)

g) As Chairperson for strabismus session in 8th Annual Conference of SPOSI, 17th-19th Dec 2021 at AIIMS Bhopal (Physical)

h) Appointed as Judge in a video competitive session of 8th Annual Conference of SPOSI, 17th-19th Dec 2021 at AIIMS Bhopal (Physical)

i) Delivered a faculty lecture on Orbital infections: An Update; in a virtual CME organized by Department of Ophthalmology, AIIMS Bathinda on 12th Feb 2022.

2. Awards & honours received

Received president appreciation Award by the President UKSOS during the inauguration ceremony of the Annual conference of UKSOS on 16th Oct 2021.

Dr Neeti Gupta
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Speaker/ Guest faculty

a) Faculty and speaker -In annual conference AIOS 2021 (Trials and tribulation of COVIS Warriors.)

b) Moderator - In, Retinoblastoma Update. CME Organised by dept. of Ophthalmology , 2 July, 21

c) Guest speaker - EYE DONATION AWARENESS LECTURE – Organised by DGHS Uttrakhand state- 24th Auguat 2021

d) Organizer and Speaker in Online CME "Eye Banking and Corneal Transplantation" under the aegis of UKSOS & EBAI on 3rd Sep 2021 – Hospital cornea retrieval programme – Way to go for eye donation

e) Faculty and speaker in EYE BANK CME, "Symbiosis" organised by LVPEI, Hyderabad 4 sep 2021 - Biobanking of dehydrated corneal tissues

f) Faculty and speaker in Virtual CME organised by eye bank association of India – 5 sep 2021- Usage of glycerine preserved cornea.

g) Speaker in EYE DONATION AWARENESS LECTURE – 6th Sep 2021, Shri Mehent Indresh Hospital, Dehradun

h) Faculty Speaker – UKSOS 2021, 16 Oct – Infectious keratitis for general practitioner.

i) Faculty speaker- UKSOS 2021 , 17 Oct - Challenges in keratoplasty in COVID

j) Moderator for cornea session in 34 th annual NZOS 2021- 5 DEC 2021

k) Faculty speaker – 33 rd annual Chandigarh ophthalmic society virtual conference, 31 st 2021 - Glycerine preserved corneas- a saviour in COVID times

l) Faculty and speaker – Ocular Surface workshop 20-23 Jan 2022, LVPEI, Hyderabad – Social media campaign for increasing awareness

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Speaker: Faculty and speaker in International Ophthalmic Conclave- 18-20 Feb 2022 (online) – Small Changes in Eye Bank Policies make a huge Impact on HCRP (Speaker)

3. Awards & honours received

a) Best of IJO award in AIOS 2021 – For publication "Glycerol-preserved corneal tissue in emergency corneal transplantation An alternative for fresh corneal tissue in COVID-19 crisis

b) Mentor-ship and technical collaboration for the project on development of a screening checklist and manual thereof for teachers and caregivers by National Institute for the Empowerment of Persons with Visual Disabilities (Divyangjan) Dehradun, Uttarakhand (file comp no E6821, August 2021)

c) MOU with Petroleum University, Dehradun

Dr Ramanuj Samanta
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Presented surgical video on 'Internal and external approach of retained intraocular foreign body removal' on 79th annual conference of AIOS held virtually on 24-27th June 2021

b) Oral presentation on 'Etiologies and characteristics of optic disc oedema in a tertiary eye care centre in India' on 79th annual conference of AIOS held virtually on 24-27th June 2021

c) Presented surgical video on '25-gauge silicone tip-assisted live submacular cysticercosis removal by temporal pars-plana approach' on 79th annual conference of AIOS held virtually on 24-27th June 2021

d) Presented e-poster on 'Tuberous sclerosis complex: spectrum of disease in two successive generations' on 79th annual conference of AIOS held virtually on 24-27th June 2021

e) 5.Speaker in a webinar on 'Retinoblastoma' on 02.07.2021 organized by Department of Ophthalmology, AIIMS, Rishikesh on 2ndJuly, 2021

f) Convener in a CME on 'Eye banking & Corneal Transplant', organized by Department of Ophthalmology, AIIMS, Rishikesh on 3rd September, 2021 under aegis of UKSOS, EBAI and ACOIN.

g) Participated in the 'Faculty development workshop' on Medical Education Technologies at AIIMS, Rishikesh from 30.08.2021 to 04.09.2021.

h) Speaker on the topic of 'Laser vs anti-VEGF in Aggressive ROP' in the UKSOS session of 72nd Annual International Hybrid Conference of Delhi Ophthalmological Society on 25th sept 2021

i) Speaker in a webinar on 'ROP Master Class: From Detection to Protection' organized by The Kolkata Association of Ophthalmologists on 12thNovember, 2021

2. Awards & honours received

Surgical video on posterior segment was selected among top 16 posterior segment videos on 79th annual conference of AIOS held virtually on 24-27th June 2021

EYE BANK



1. Distributing pamphlets at AIIMS in all wards to patient attendants and motivating them for Eye Donation.





2. Awareness activity in AIIMS, hospital and distributed brochure to all general public. Maximum 100 people were present and 8 people filled the form of eye donation pledge.

3. Eye donation activity performed by eye bank staff.





4. Eye Donation activity performed by doctors and eye bank team at DRDO, AIIMS dated 12.02.2022. The eye bank team gave a speech about eye donation and also as how to preserve our eyes for a long time. We distributed the pamphlet to all nursing staff and other staff of the DRDO.

5. Our eye bank team went around the hospital for eye donation activities to nursing staff in AIIMS. Maximum people did not know about eye donation. We cleared all the doubt about eye donation.





6. Eye bank team motivated by eye donation awareness among all the students of AIIMS, Rishikesh, and distributed pamphlets to all the students.

DEPARTMENT OF ORTHOPAEDICS





8.29 ORTHOPAEDICS

AIM: To raise the standard in orthopaedic care and set a national benchmark by providing the most technologically advanced treatment choices to the patients in combination with delivering excellent, empathetic, and efficient patient care. Apart from patient care, our goal is to provide best research oriented training to our MBBS students and our resident trainees both in broad speciality of Orthopaedics as well as various sub specialities in which some courses are first in country like MCh in spine surgery, pediatric Orthopaedics and Joint replacement.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Pankaj Kandwal	Professor & Head of the Department
2	Dr. R. B. Kalia	Additional Professor
3	Dr. Mohit Dhingra	Associate Professor
4	Dr. Vivek Singh	Associate Professor
5	Dr. Pradeep Kumar Meena	Associate Professor

I) Departmental activities :

1. Academic

During the academic year which was largely under shadow of COVID pandemic second wave,the faculty was actively involved in educational training of MBBS students which includes theory classes conducted weekly(online & offline), clinical teaching by means of online resources and standardised patients. Skills lab was used and offline classes were taken wherever possible following the norms of social distancing. The teaching not only stresses on the cognitive domain like clinical examination, interpretation of radiographs and other imaging, but also psychomotor aspect of learning like application of plasters, traction and splintage in common Orthopaedic problems. Assessment of cognitive domain, psychomotor skills and affective domain is done for these students once their clinical postings are completed.

Classes MBBS Theory & Clinical from 1st April 2021 to 31 March 2022

Month	Theory lectures	Clinical demonstration
Apr-2021	0	0
May-2021	3	21
Jun-2021	4	26
July-2021	5	23
Aug-2021	3	25
Sep-2021	10	27
Oct-2021	4	15
Nov-2021	6	16
Dec-2021	9	26
Jan-2022	6	13
Feb-2022	0	0
Mar-2022	0	0

With postgraduate students and senior residents in the department, regular lectures, seminars, journal clubs and case presentations are organized for the resident doctors by means of Online resources & standardised patients(till September 2021) and offline mode on actual patients. The resident training is as per ACGME guidelines where main emphasis is on Soft skills. There is special thrust on module based teaching learning, formulating learning objectives for each

module where milestones have been set for each subspeciality. Discussion on pre-operative planning and critical analysis of surgical procedure with post-operative x-rays are done every week. They are made to do supervised surgical procedures in the operation theatres according to the seniority grade. Monthly assessment of the residents is done by theory examination based on objective assessment. Clinical assessment is done to test their cognitive domain, psychomotor skills and affective domain on monthly basis and proper feedback is given.

MCh programme:The department boasts to have successfully started super speciality MCh programme in orthopaedics which is one of its kind across the globe. MCh Pediatric Orthopaedics and MCh Spine have been initiated from July 2018 session. One candidate in each subspeciality is inducted every six months for the three-year course. MCh Arthroplasty has been started in July 2019 session with one candidate joining every six months. The department is instrumental in formulating the curriculum and ensuring rotations in other related surgical speciality for complete training of these students.

The department has also started diploma course for plaster technician which inducts two candidates every year. Also department runs BSc(Orthopedic technology) course.

No. of academic activities done for the post graduate students and MCh students from 1stApril 2021 to 31st March 2022

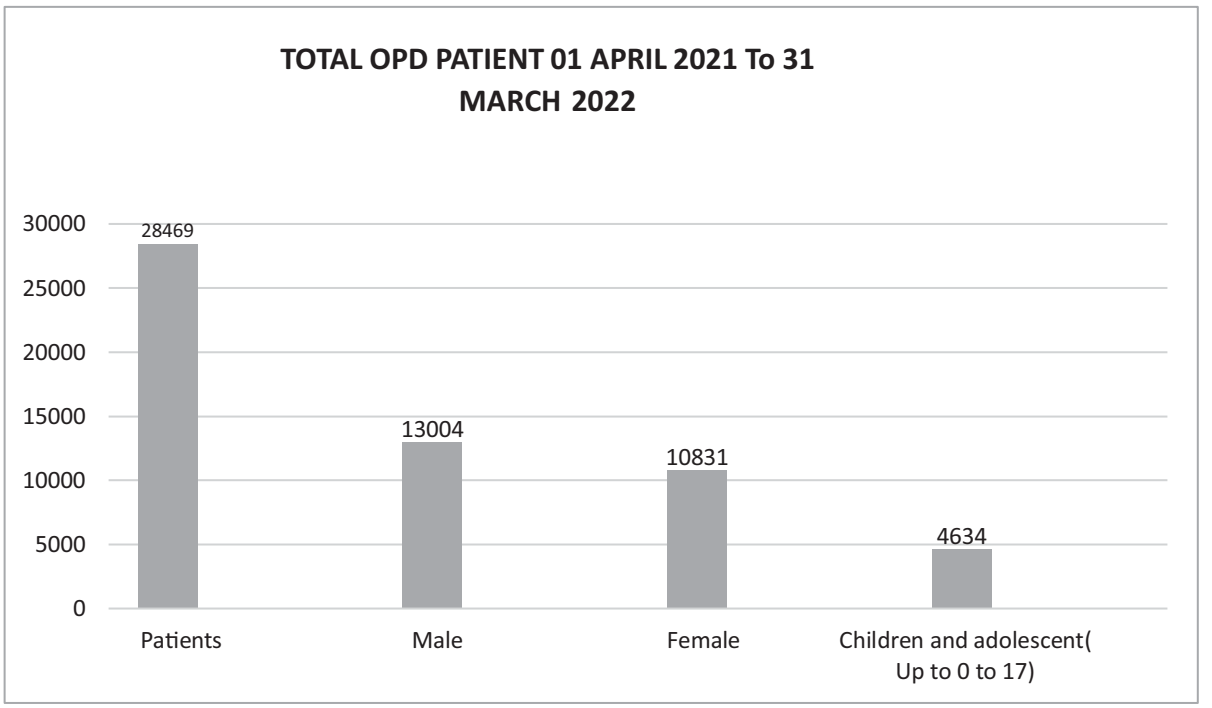
Month	PG's		MCh Spine		Mch Peadiatrics		Mch Arthroplasty	
	Journal club	seminar	Journal club	seminar	Journal club	seminar	Journal club	seminar
Apr	5	3	5	1	5	1	5	0
May	3	3	3	0	3	0	3	1
Jun	4	5	4	1	4	1	4	1
Jul	5	4	5	2	5	1	5	1
Aug	4	2	4	0	4	2	4	0
Sep	4	4	4	0	4	0	4	0
Oct	5	3	5	0	5	0	5	0
Nov	4	1	4	1	4	0	4	0
Dec	4	4	4	0	4	1	4	0
Jan	4	4	4	0	4	1	4	0
Feb	3	4	3	0	3	1	3	0
Mar	3	4	3	0	3	0	3	0

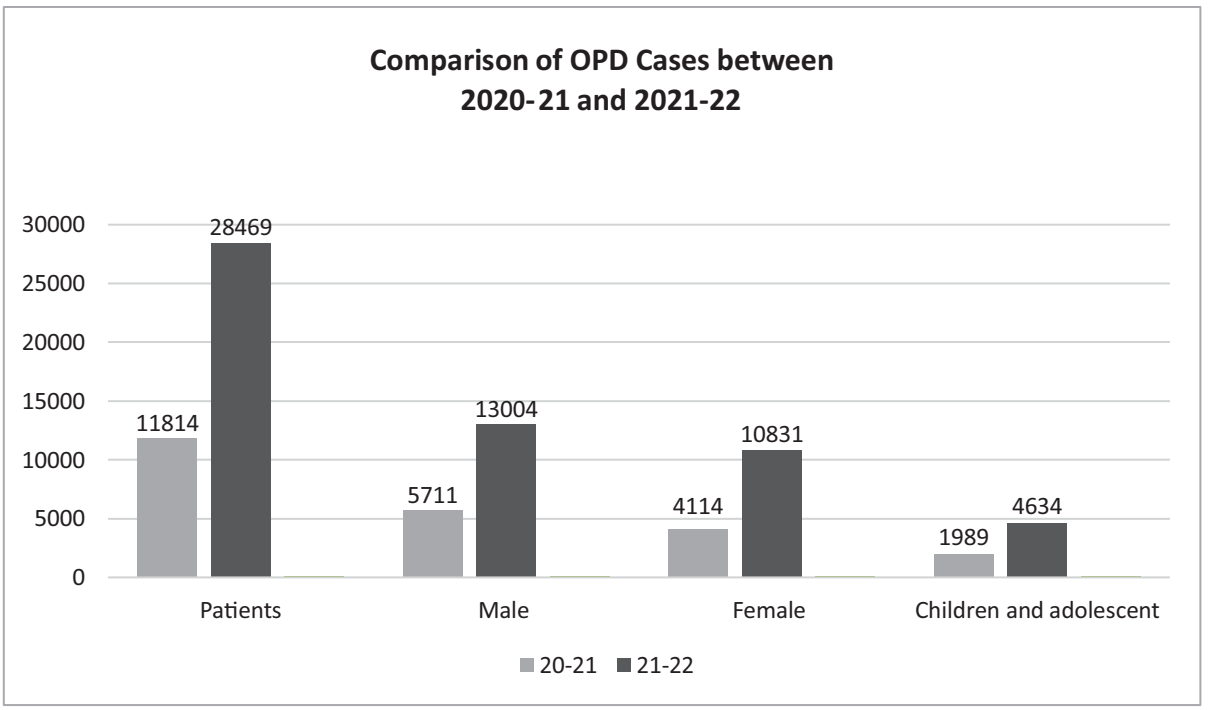
2. OPD Services:

Total OPD patients of the current year-28469

Outpatient services of Department of Orthopaedics include examining/ treating the patients on daily basis(Monday to Saturday), following post-operative patients and performing procedures like fracture manipulation/cast application, minor procedures, diagnostic & therapeutic injections/infiltrations and other minor orthopaedic procedures apart from teaching the patients about lifestyle modification and active exercises.

TOTAL OPD PATIENT	1 APRIL 2021 To 31 MARCH 2022
Patients	Total 28469
Male	13004
Female	10831
Children and adolescent (Up to 0 to 17)	4634


TOTAL OPD PATIENT 01 APRIL 2021 To 31 MARCH 2022
30000
25000
20000
15000
10000
5000
0
28469
13004
10831
4634
Patients
Male
Female
Children and adolescent(Up to 0 to 17)


Comparison of OPD Cases between 2020-21 and 2021-22
30000
25000
20000
15000
10000
5000
0
11814
28469
5711
13004
4114
10831
1989
4634
Patients
Male
Female
Children and adolescent
20-21
21-22

Sub-speciality clinics

The department conducts sub-speciality clinics like Clubfoot, cerebral palsy clinic, TB Spine Clinic, Arthroplasty, Sports Medicine, Bone tumours, Scoliosis Clinic and Shoulder Clinic in the OPD. Clinics were restricted for some time due to COVID pandemic. Still we were serving the needful. The data is as follows

Number of Patients Evaluated in speciality Clinic: Month of 1st April 2021 to 31st March 2022

Speciality Clinic(day wise)	1 April 2021 to 31st March 2022
TB Spine Clinic (Monday)	172
Tumour Clinic (Tuesday)	206
Arthroplasty / Sports Injury Clinic (Wednesday)	189
CTEV Clinic (Wednesday)	1323
Scoliosis Clinic (Thursday)	37

Total Cast Applied and Removal Month of 1st April 2021 to 31st March 2022

	Plaster & Dressing Record	2021-2022
CAST	Applied	4668
	Removed	1668
CTEV	Applied	1056
	Removal	766
POP	6”	14670
	4”	8670
FIBRE	5”	2230
	4”	1460
BANDAGES	6”	4840
	4”	4330
	Minor procedures (including fixator removal, intra-articular injections	65
	Dressing	2211

3. IPD Services:

a) Patients who need active intervention and care are admitted in the indoor patient department and managed accordingly. We have formulated protocols for paraplegic care, DVT prophylaxis along with the post-op rehabilitation programme for patients undergoing Total Hip, Knee replacements, Arthroscopic procedures, Spinal decompression and fixation, hand surgery, tumour and adult reconstruction surgery.

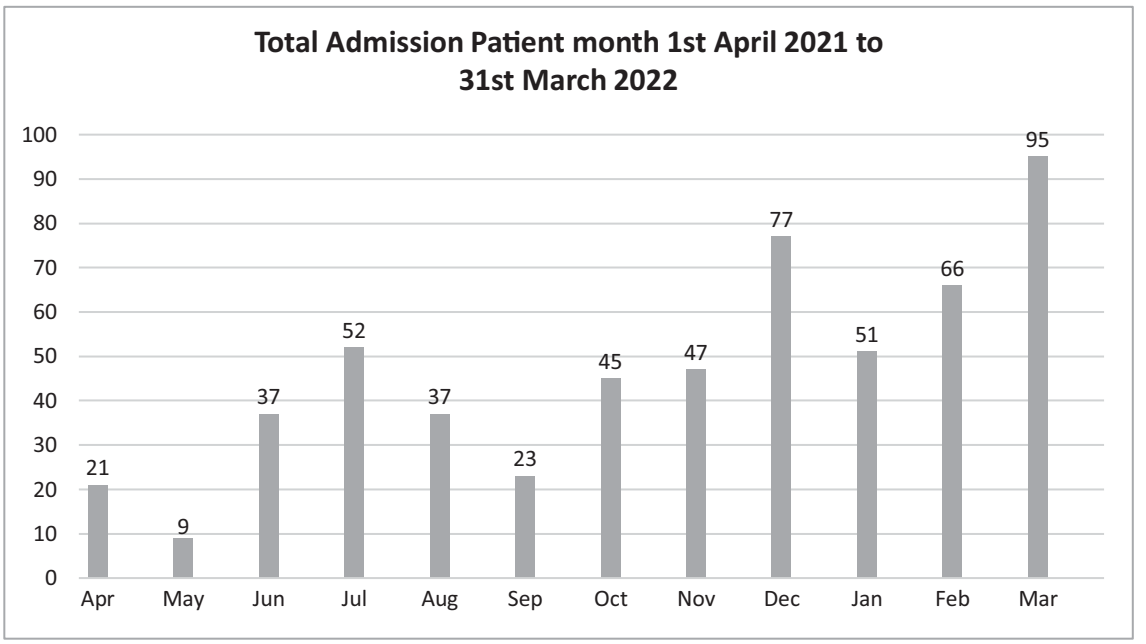
b) Total numbers of beds in the orthopaedics department are 29. The beds are equally divided into all the consultants who carry speciality work in their field. Owing to the big waiting list for the surgery the patients are discharged after teaching the rehabilitation plan to them.

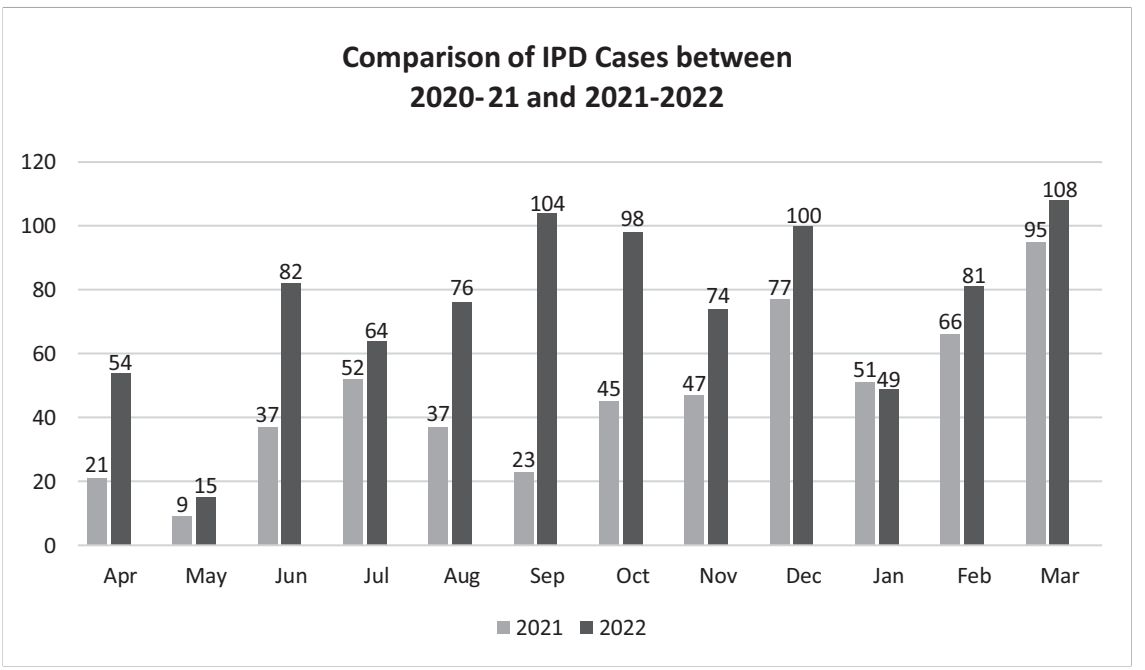
c) The operative procedures being offered to the patient range from correction of difficult congenital anomalies, other paediatric limb deformities, complex spinal deformity correction, multilevel spinal fixation, revision spine procedures, complex deformity correction of the limbs, orthopaedic tumours, complicated revision hip & knee replacement, complex trauma apart from hand surgery, Arthroscopic procedures for sports injury, discectomy/decompression and trauma surgery.

d) Number of IPD beds, patients getting admitted, patients operated were restricted owing to pandemic. Only the patients needing life/limb saving surgeries were getting admitted.

Total Admission Patient month 1st April 2021 to 31st March 2022

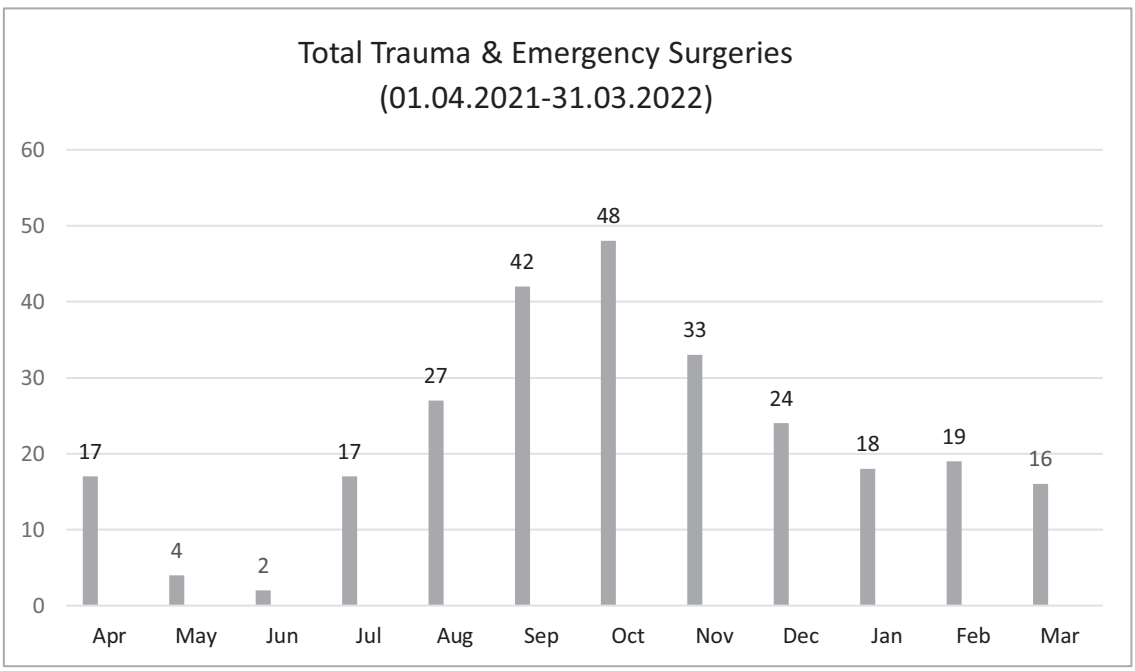
Month's	Total Patient Admission- 905
Apr	54
May	15
Jun	82
Jul	64
Aug	76
Sep	104
Oct	98
Nov	74
Dec	100
Jan	49
Feb	81
Mar	108





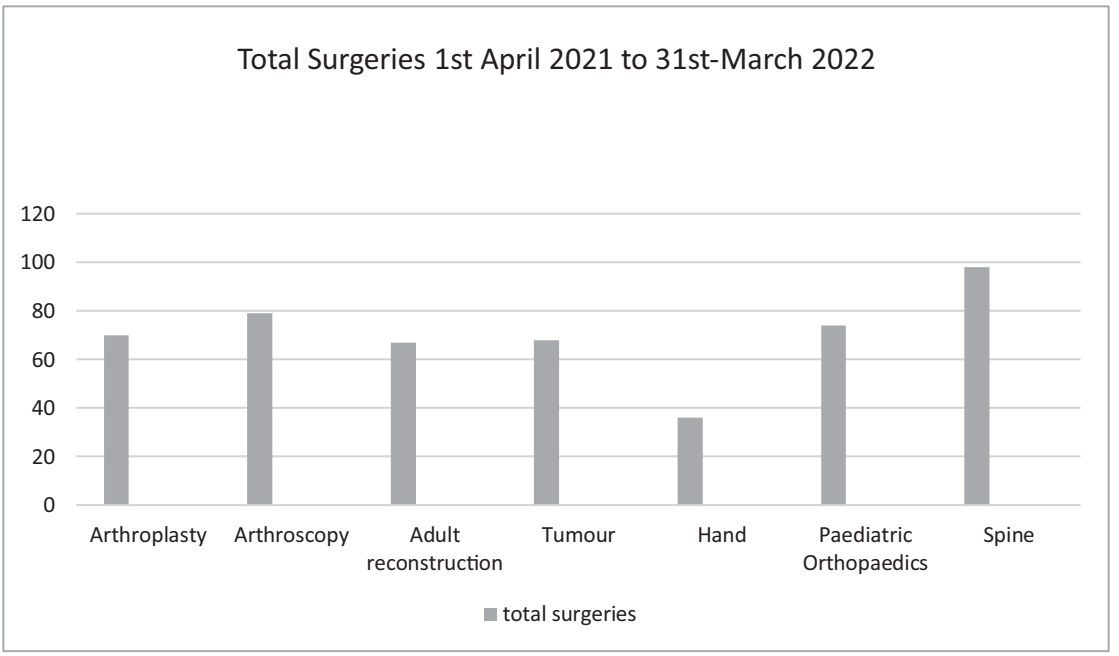
Total Trauma & Emergency Surgeries

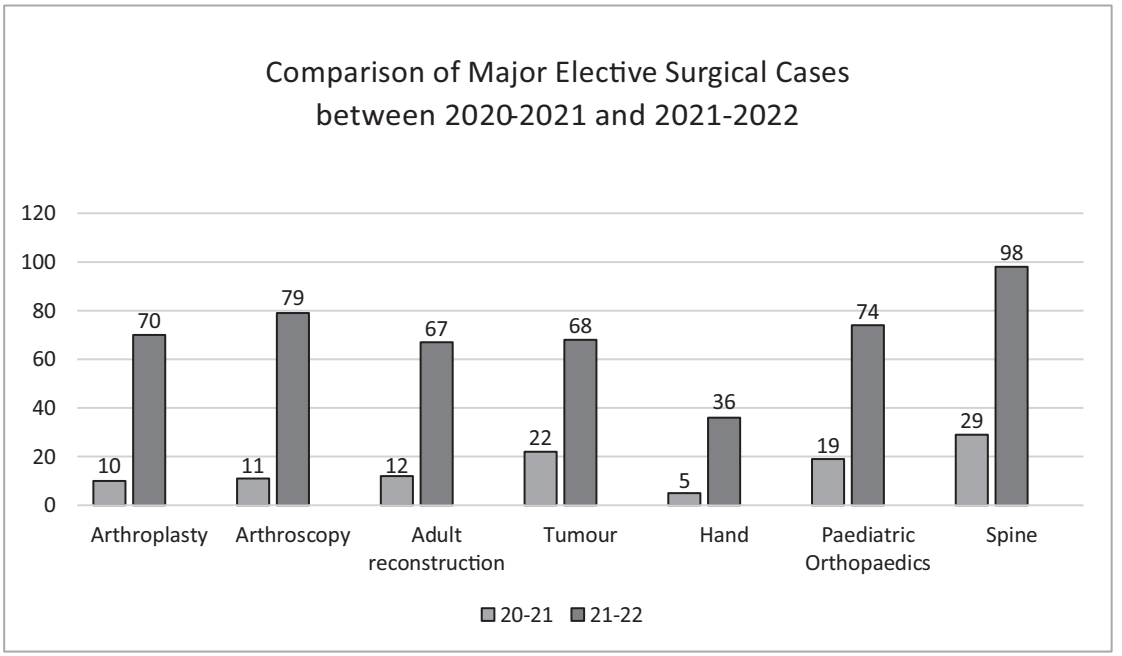
Trauma & Emergency Surgeries	1st April 2021 to 31st March 2022
Month	2021-2022
Apr	17
May	4
Jun	2
Jul	17
Aug	27
Sep	42
Oct	48
Nov	33
Dec	24
Jan	18
Feb	19
Mar	16



Total Surgeries

Total Surgeries	1stApril 2021 31st March 2022
Surgeries	2021-2022
Arthroplasty	70
Arthroscopy	79
Adult reconstruction	67
Tumour	68
Hand	36
Paediatric Orthopaedics	74
Spine	98
Foot and Ankle	34
Total	526





4. CME/ workshop / conference / training organized by department

AIIMS Annual Symposium-2021- "Hip preservation Surgery" -4/09/21

5. New initiative of department

Following are the innovations being utilised in Orthopaedics department:

Assessment:

a) Department of Orthopedics conducts Modules Based Monthly assessment of Junior Residents as well as Senior Residents (Academic).

b) Modules are well structured based on expected knowledge for that semester.

c) A theory exam of 50 case based MCQs is conducted in 3rd week of each month.

d) Skill based OSCE/OSPE is conducted from respective module at end of 3rd week of each month.

Integrated sessions:

a) Integrated sessions have been conducted with Department of Community and Family Medicine to promote Research including Meta-analysis and Systemic reviews and better understanding of Statistics.

b) Weekly Tumor Board Meeting is conducted with Departments of Radiation Oncology, Medical Oncology, Surgical Oncology.

c) Orthopedics department has collaborated and conducted Symposium and Clinical Classroom programmes with Institutes of international repute.

d) Various modalities are being used for teaching-

e) Mannequin from skill lab is being used to perform skills like application of Splints, teaching of ATLS protocols, Arthrocentesis, shock management.

f) Standardized patients are used for demonstration of clinical signs and soft skills.

g) Patients with 2- Negative COVID reports who are awaiting surgery are being used to demonstrate pathologies and their clinical examination.

h) Weekly Online Interactive Seminars and Journal clubs which are part of summative assessment are conducted as follows:

i) Monday- Orthopedics Interactive Seminar

ii) Tuesday- Pediatric Orthopedics Journal club

iii) Wednesday- Spine Journal Club

iv) Thursday- Orthopedics Seminar

v) Friday- Combined Pediatric and Joints MCh interactive Seminar

l) Weekly classes are conducted Online/ Seminar hall for 1st Semester Junior Residents.

j) Clinical teaching primarily focused on patient care is conducted every Saturday.

k) Online classes are conducted for Undergraduate students 2 hours a week focused on Cold Orthopedics, Trauma, Rehabilitation.

In addition to the previous plans which we highlighted in the last annual report of 'Centre for advance orthopaedics' and 'Cadaveric lab' we have added more to our dreams to make our centre par excellence.

6. Future plan

a) EOS-edge advanced imaging system

We envisage an EOS- edge advanced imaging system which is a Powerful, precise and patient-centred low dose, full body, and high-quality musculoskeletal imaging system. This machine is formulated to impart low dose of radiation to give full body scans. It can deliver 80 % low radiation as compared to same acquisition with normal scans. It's a general X-ray system powered by a high-resolution photon-counting detector which provides optimal image quality for a broad range of patients. The xray captured in this system is true 1:1 scale with no magnification and can be taken in the functional position of the patient. It would be very useful tool for teachers and researchers in all sub-specialties of Orthopaedics like Adult Reconstruction, Spinal Surgery, Sports Injuries, Paediatric Orthopaedics, Hand Surgery, Musculoskeletal Oncology, Micro-surgery, Shoulder, Foot and Ankle and Joint Replacements.

b) Robotics in orthopaedics

The introduction of robotics in orthopaedics has allowed for advanced surgical planning, precision robotic machining of bone, improved implant-bone contact,

optimization of implant placement, and optimization of the mechanical alignment. We would like to introduce these technologies in spine and arthroplasty surgeries to increase the precision of these surgeries and minimise complications.

c) Multi-centre research and registry

We would like to start a common registry in various sub-specialities of orthopaedics for tertiary care hospitals of the country in order to do multi-centre research and training.

d) Computer Navigation in Orthopaedics

We are planning to procure computer navigation system for Orthopaedic OT. These systems are used during surgery for assessing joint irregularities and joint biomechanics; to make recommendations on how to continue with the procedure,(eg.,ligament balancing) and to monitor the accuracy of the bone cuts. The navigation systems have several cameras to track surgical instrumentation, boney geometry and alignment. The cameras communicate with instruments and boney landmarks through light-emitting diodes(LEDs).The surgeon always has the option to override the information given by the computer

II) Faculty activities:

Dr Pankaj Kandwal
Professor & Head

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Organising team of ASSICON (Association of Spine Surgeons of India Annual Conference) Jan 2022

Dr. R.B. Kalia
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended 6th Annual Jammu Meet ,2021 as Guest lecturer on 10-11th April,21

b) Attended UAIOA Symposium- Blade plate a vertatile implant as Panellist on 10.6.21

c) Attended Complex primary knee and hip and knee arthroplasty as Panellist on 18.07.21

d) Attended What I do and don't do as a arthroplasty surgeon as Panellist on 22.07.21

e) Attended Vigyan se Vikas as Panellist on 13.08.21

f) Attended Glory to Glorious: Empowering Society through Innovations as Panellist on 24.09.21

g) Attended Principles of Hip Fracture-Presentation on Tips and Tricks for reduction as Guest Lecturer on 25.09.21

h) Attended World Day of Remembrance for road traffic victims as Guest Lecturer on 21.11.21

i) Attended IOACON 2021 as Guest lecturer on 22-25.12.21

j) Attended GOACON 22 as Guest lecturer on

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Attended AIIMS Annual Symposium-2021- "Hip preservation Surgery" Co-Chairpersonon 04.09.21

Dr Mohit Dhingra
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Table instructor in the workshop organized by department of trauma surgery on 21/9/2021 (stryker)

b) Presented a talk as invited faculty in doon orthopaedics club on 'malignant bone tumours' on 23/10/2021

c) Chairperson in the session of 'tumours and deformity correction' in the mid-term symposium organised by doon orthopaedics club on 12th December 2021

d) Presented a case series on management of gap non-union tibia by plate and rail fixator in the midterm symposium organised by doon orthopaedic club on 12th December 2021

e) Presented case series of pelvic resection and reconstruction by mesh in midterm symposium organised by doon orthopaedic club on 12th December 2021.

f) Poster presentation on calcaneum replacement in IOACON December 2021, Goa

g) Poster presentation on total femur replacement in IOACON December 2021, Goa

h) Presented a paper on an approach to malignant bone tumours in annual conference of Gujarat orthopaedics association.

i) Organised a quiz for Uttarakhand orthopaedic club as a quiz master

Dr Vivek Singh
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Lateral Condyle Humerus Fracture- Late presentation-27/11/2021-Guest lecture-Annual conference of Delhi Orthopaedic Association,LHMC,New Delhi

b) 10 day advanced training in Shoulder arthroscopy at AIIMS New Delhi-31//3/2021-10/4/2021



DEPARTMENT OF PAEDIATRIC





8.30 PAEDIATRIC

The primary mission of the Department of Pediatrics, AIIMS Rishikesh is to improve the lives of children by providing the highest quality preventive, diagnostic and treatment facilities to children and adolescents and to improve outcomes through research, training, education and advocacy.

In achieving our mission, we commit to the following core values and self-assigned tasks.

- Children come first, above all personal and professional priorities. The right of children to quality healthcare and physical and mental wellbeing assures the future of society. Respect for children above all else is the responsibility of community and health care professionals.
- Ensuring state of the art pediatric and pediatric subspecialty services under one roof so that children of this region can have access to the world-class preventive, diagnostic and treatment services.
- Commitment to optimal outcomes for children and critical evaluation of those outcomes through comprehensive evidence-based quality health care. We aspire for continuous improvement in the quality of health care by making decisions based on the best available evidence in the literature. At the same time, we envisage to optimize the quality of life, inculcate healthy lifestyle habits and prevent diseases in children.
- Modeling professionalism by supporting each other with respect, integrity, joviality, and collegiality. Intra-departmental, inter-departmental and inter–institutional (medical and technological) commitment to action through collaboration and shared problem solving.
- Developing leaders to serve the community through our commitment to excellence in education, continuous learning, and professional development. Valuing diversity, leadership, open-mindedness and out of the box thinking in our residents and trainees.
- Valuing innovations and discoveries in the field of academics, research, and medical education, as discovery and dissemination of knowledge are the tools to advance children's health.
- Anticipating and responding to forces affecting children and speaking out and advocacy on behalf of children regarding their rights and opportunities.

Department has following members –

Sl. No.	Name of Faculty	Designation
1.	Dr. Nowneet Kumar Bhat	Professor & Head
2.	Dr. Swathi Chacham	Professor
3.	Dr. Prashant Kumar Verma	Associate Professor
4.	Dr. Indar Kumar Sharawat	Associate Professor
5.	Dr. Prateek Kumar Panda	Assistant Professor
6.	Dr. Vinod	Assistant Professor
7.	Dr. Yash Shrivastava	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate

Total lectures/sessions – 130

- MBBS 2017 – 76 lectures (Didactic + Interactive)
- MBBS 2018 – 54 lectures (Didactic + Interactive)

Clinical Posting – 3 Hours/Day x 1, 2 or 3 batches. Online initially later bedside

Ongoing assessment through Ward leaving test/OSCE after each posting.

b) Examinations conducted:

- Supplementary MBBS final examinations in March 2022
- Terminal exam of MBBS 2017 batch held in October 2021
- Preliminary MBBS final examinations – 2017 batch
- Final MBBS final examinations – 2017 batch

c) Postgraduate

Total PG academic activities from 01-04-2021 to 31-03-2022

Morning PG teaching session 8:30 - 9:30 AM daily.

- Journal Club – 10
- Case presentation/ Clinical bedside – 60
- Seminar – 102
- Grand rounds – 40
- Thesis related – 08 (Protocol presentation & Thesis review)
- Monthly Statistics meet – 11
- Radiology meets – 14

Examinations conducted:

- Preliminary MD examinations – Jan 2019 batch
- Final MD examinations – Jan 2019 batch

d) DM & PDCC (Pediatric Gastroenterology)

Total DM (Pediatric Gastroenterology) academic activities from 01-04-2021 to 31-03-2022

Teaching session once in a week, 12:00 PM - 01:00 PM.

Total teaching sessions: 35

- Journal Club & Scan : 12
- Case presentation : 08
- Seminar : 15
- Radiology meets : 14 (as part of Pediatric clinic radiology meet)

Monthly assessment (clinical vignettes & OSCE): 10

e) DM (Pediatric Neurology)

Total DM academic activities from 01-04-2021 to 31-03-2022

Teaching session once in a week, 12:00 PM - 01:00 PM.

- Journal Club & scan : 05
- Case presentation : 24
- Seminar : 36
- Radiology meets : 14 (as part of Pediatric clinic radiology meet)

Monthly assessment (clinical vignettes & OSCE): 10

2. OPD Services

a) Total patient attendance in OPD: 1 7 7 9 4 patients + Screening OPD

b) Immunisation Clinic : 2284 immunisation sessions.

3. IPD Services

Total admissions in pediatric department : 4071 patients

- Admissions in pediatric ward patients (COVID + non COVID) : 1388
- Admissions in pediatric HDU : 548 patients
- Admissions in pediatric emergency : 2135 patients

4. Diagnostic services

a)	Pediatric Diagnostic & Therapeutic endoscopies	: 256
b)	EVL	: 30
c)	Dilations	: 40
d)	Foreign body retrieval	: 16
e)	Polypectomy	: 23
f)	Pediatric EEG & Electro-physiological studies	: 550
g)	Pediatric Echocardiography	: 1098
h)	Formal IQ assessment	: 280
i)	Renal biopsies	: 16
j)	Bone marrow aspiration and biopsy	: 75
k)	Liver biopsies	: 30
l)	Applied behavioural analysis	: 300
m)	Autism screening	: 315
n)	Nerve biopsy	: 02
o)	Muscle biopsy	: 02
p)	Transcutaneous electric nerve stimulation	: 12
q)	Learning disability assessment	: 128
r)	Botox	: 28
s)	Stressor assessment	: 78

5. Major/Minor OT Services

Endoscopy OT – 2 days / week morning slot & SOS emergencies (~3-6 procedures/day)

6. Special Clinics:

S.No.	Clinic name	Faculty	No. of patients under follow up	Day
1.	Pediatric Cardiology Clinic	Dr. Yash Shrivastava	47	Monday
2.	Neuro development & behavioral clinic	Dr. P K Panda	1181	
3.	Pediatric Neuro infection & headache clinic	Dr. Indar K Sharawat	609	
4.	Pediatric Gastroenterology	Dr. N K Bhat	91	Tuesday
5.	Pediatric Hepatology Clinic	Dr. N K Bhat	48	
6.	Pediatric Neuro Cognitive clinic	Dr. P K Panda / Dr. Indar K Sharawat	553	
7.	Pediatric Endocrinology clinic	Dr. P. K Verma	82	
8.	Pediatric Asthma clinic	Dr. P K Verma	15	Wednesday
9.	Pediatric Neurology clinic	Dr. Indar K Sharawat / Dr. P K Panda	1456	
10.	Pediatric Nephrology Clinic	Dr. Vinod	17	Thursday
11.	Pediatric Diabetes Clinic	Dr. P K Verma	05	
12.	Pediatric Epilepsy clinic	Dr. Indar K Sharawat/ Dr. P K Panda	410	Friday
13.	Pediatric Genetics clinic	Dr. P K Verma	91	

Most of these patients were attended at pediatric screening OPD due to closure of OPD block.

7. Health awareness/ educational activities organized by department

a) Sickle cell anaemia awareness Day on 19th June 2021 (cutting of Newspaper attached)

b) Panel discussion on "Post COVID wellness: Emerging challenges, Public concerns, and solution" Live telecast on DD Uttarakhand (snapshot attached)

c) Virtual interaction with caregivers of children living with epilepsy on occasion of International Epilepsy Day on 14th February 2022

d) Virtual interaction with caregivers of children having autism spectrum disorder on the occasion of World Autism Awareness Day on 2nd April 2021

e) Down syndrome Day on March 21, 2022

f) DMD awareness day 7th September 2021

8. CME/ workshop/ conference/training organized by department

a) Virtual CME session on Attention Deficit Hyperactivity Disorder in Association with Dehradun IAP on 03/07/2021

b) Virtual CME session on Neuro infections in Children in Association with IAP, Uttarakhand on 09/01/2022

9. New initiative of department

Started performing Transcutaneous Electrical Nerve Stimulation for patients with various neurological disorders.

10. Future plans of department

a) Setting up a state of art PICU.

b) Separate endoscopy setup for the department.

c) Separate Neurology (EEG, Electro-physiology and polysomno-graphy) lab for the department.

d) Separate Echocardiography setup for the department.

e) Improving PediatricHemato-Oncology services.

II) Faculty activities:

Prof. Nowneet Kumar Bhat
Professor & Head

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Chairperson: Are we doing enough for type 1 DM?, Cardio diabetic Society Meeting Nov 25, 2021, AIIMS Rishikesh

b) Lecture on COVID -19 in children, 17th June 2021 AIIMS Rishikesh

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Chairperson, Role of Probiotics in Neonatology, NETSU (SRHU & Equalize Health) 22nd July 2021

b) E-learning course series 1, School of Hepatology APASL Sep 29 2021.

c) E-learning course series 1, School of Hepatology APASL Oct 27 2021.

d) Autoimmune hepatitis, e-learning course series 1, School of Hepatology APASL Nov 20 2021.

3. Awards & honours received

a) Teacher's Day award by Director AIIMS, Rishikesh, 5th September 2021

b) Teacher's Day award by Director AIIMS, Rishikesh, as HOD for maximum no. of publications from the department, 5th September 2021

Dr. Prashant Kumar Verma
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest lecture on topic "Approach a child with Birth defect" – on dated 27-8-21- in Govt. college of Nagpur

b) Guest speaker on topic 'Genotypic versus phenotypic biomarkers in NBS-safety, advocacy, and policy making'- The Department of Biochemistry, AIIMS, Raipur is organizing an online National CME on "Integrating OMICS with newborn metabolic disorders" on 11th September, 2021

c) Cardio diabetic Society Meeting Nov 25, 2021, AIIMS Rishikesh - Invitation as chairperson for discussion- Are we doing enough for type 1 DM?

2. Awards & honours received

Accepted for "SSIEM IMD Adult Course" organized by SSEIM, (A international online well-designed course delivered by experts in IEM, only selected candidates are enrolled for that course based on criteria designed by a selection committee)

Dr. Indar Kumar Sharawat
Associate Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Faculty in North Zone Pedicon in Chandigarh on 24-26 September 2021

b) Faculty in Neuropedicon 2021 in Kolkata from 22-24 October 2021

2. Awards & honours received

Teacher's day Award-Highest Number of Research Publications in institute for year 2021

Dr Prateek Kumar Panda
Assistant Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Faculty in Odisha state pedicon 2021on 10th December 2021

b) Faculty in Neuropedicon 2021 in Kolkata from 22-24 October 2021

c) Faculty in Neuropedia, Pediatric Neurology Basics organized by IAP, Delhi and Academy of Pediatric Neurology, IAP on 24-25 June 2021

d) Faculty in 8th National Conference on Pediatric Education in Bhubaneswar on 27-28 November 2021

e) Faculty in National CME ON "West syndrome: what parents need to know?" organized by Indian epilepsy society on 10th July 2021

Dr Vinod
Assistant Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) As Panellist:Panel discussion on "Post COVID wellness: Emerging challenges, Public concerns, and solution"- Live telecast on DD Uttarakhand (snapshot attached)

b) As Chairperson: "Annual conference of CARDIODIABETIC SOCIETY In collaboration with Uttarakhand CARDIOBCON"

2. Awards & honours received

Awarded with "Certificate of Excellence" fromSocial outreach cell AIIMS Rishikesh for outstanding work and significant contribution to creating public awareness & sensitization of the community during the COVID-19 pandemic.



DEPARTMENT OF PAEDIATRIC SURGERY



8.31 PAEDIATRIC SURGERY

Providing the highest quality pediatric patient care, innovative medical research and excellent training to the junior surgeons.

The Department of Paediatric Surgery considers the primary vision to be - providing and promoting excellent surgical care to the future of tomorrow, that is, the children of today. We deeply feel that children have years ahead of them to live. To be born with a congenital problem should not limit them and neither should it grieve or inhibit the parents. The treatment to most of the anomalies and diseases in the children is evolving, with evidence, research and the modernization of resources and we believe that this should reach out to all the unfortunate children, giving them hope and a better future. Centre of Excellence in Paediatric Surgery care is what we aspire and is also the dire need of the people of this remote region. Considering the care in toto of a child to be very essential, we will strive to collaborate with and also learn with the other disciplines, the most effective and prudent treatment of any usual and unusual pediatric case. Excellence in training the younger pediatric surgeons is also another goal and vision of the department.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. B. Satya Sree	Professor and Head of Department
2	Dr Intezar Ahmed	Associate Professor
3	Dr Rajat Piplani	Associate Professor
4	Dr Manish Kumar Gupta	Associate Professor
5	Dr Enono Yhoshu	Assistant professor

I) Departmental activities

1. Academic

Clinical teaching of undergraduates posted in the Department.

Scheduled theory classes for undergraduates.

Clinical teaching of postgraduates posted in the Department.

Scheduled theory classes for postgraduates.

Nursing staff training, academic sessions and bedside classes.

2. OPD Services

Total patients	: 3377
Urodynamic Study	: 10

3. IPD Services

Total admissions	: 478
Total deaths	: 16
Elective surgeries	: 191
Emergency Surgeries	: 100

4. Health awareness / educational activities organized by department

Regular awareness programs in wards and OPD for parents and attendants to make them understand the importance of

a) Getting the children on time for surgery

b) Survival of children with congenital anomalies

c) Importance of caring for the female children

d) Availability of government health schemes in our Institute

e) Antenatal prognosis and counselling

5. New initiative of department

a) To start PDF courses as approved in- Paediatric GI surgery, Paediatric Oncosurgery.

b) To start Special Nursing Certificate Courses for Neonatal Surgery, Stoma care Nurse and Bladder Care Nurse

c) Renovation of Surgical NICU

6. Future plan

a) To organise webinars/ workshops/ CMEs for creating awareness for Paediatric Surgery in the State of Uttarakhand.

b) To start Outreach Programmes in the state of Uttarakhand for Pediatric Surgery awareness

II) Faculty activities :

Dr B Satya Sree
Professor and Head of Department

1. **National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

   In MAMC Update Chairperson for Pediatric Oncology Session in March 2022

Dr Intezar Ahmed
Associate Professor

1. **International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Speaker in Seminar on Anorectal Malformation in Saudi Arabia 2021

b) BLS, ATLS, PALS in 2021

Dr Rajat Piplani.
Associate Professor

1. **International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

a) Speaker in Seminar on Anorectal Malfornation in Saudi Arabia 2021

b) BLS, ATLS, PALS in 2021

Dr Manish Kumar Gupta
Associate Professor

1. **National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

   Faculty for Guest Lecture on "Surgical Neonate" in MILAN-A NNF and FOGSI Joint Perinatal Meet in Uttarakhand and Himachal Pradesh State as Faculty April 2021

   Chairperson for Session on "experimental Surgery" at IAPSCON 2021

Dr EnonoYhoshu
Assistant Professor

1. **NationalCME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

   Chairperson / Judge for the session on Short Oral GI Surgery Session in IAPSCON 2021

DEPARTMENT OF PATHOLOGY & LABORATORY MEDICINE









8.32 PATHOLOGY & LABORATORY MEDICINE

The Department of Pathology and Laboratory Medicine Department, AIIMS Rishikesh has been set up with the vision to develop a world class diagnostic, academic and research facility catering to the population of Uttarakhand and neighbouring states. The Mission of the Department is as follows:

- To excel in sub-specialties of Histopathology, Cytopathology, Hematopathology and Clinical Pathology for quality patient care.
- To be able to offer expert consultation for Hematopathology, Cytopathology, Histopathology and molecular diagnostics.
- To teach medical students the basic understanding of disease and relate its importance with clinical findings through an integrated approach.
- To create an environment for encouraging research activities for medical students, residents and faculty.

Department has following faculty members:

Sl.No.	Name of Faculty	Designation
1	Dr. Sanjeev Kishore	Professor & Head
2	Dr.Shalinee Rao	Professor
3	Dr.Nilotpal Chowdhury	Professor
4	Dr. Harish Chandra	Additional Professor
5	Dr. Neha Singh	Additional Professor
6	Dr. Arvind Kumar Gupta	Associate Professor
7	Dr. Prashant Durgapal	Associate Professor
8	Dr. Arvind Kumar	Associate Professor
9	Dr. Ashok Singh	Associate Professor
10	Dr.PakeshBaishya	Assistant Professor
11.	Dr.Priyavadhana B	Assistant Professor
12.	Dr. Ravi Hari Phulware	Assistant Professor

I) Departmental activities:

1. Academic

Conducted slide seminars, journal club, subject seminar on various topics for postgraduate teaching,

Organised CPC with many clinical department

a) Undergraduate

The undergraduate teaching comprised of lectures, seminars, small group teaching, tutorials, demonstration and regular practical sessions. The department is also involved in regular horizontal and vertical integration for common diseases. Recently the Department has started regular teaching in the form of interactive sessions where the students primarily present and the sessions are moderated by a faculty member.

The assessment pattern of the Department is totally objective and comprises of 360-degree evaluation of students by assessment tolls like Multiple choice questions (MCQ) in theory and Objective structured Practical Examination (OSPE) in practical.

BSc Nursing-Nursing pathology lectures (online and Offline) were taken along with MCQ based evaluation and faculty and residents were involved in the teaching.

BSc MLT Course-Lectures(online and Offline) were taken along with MCQ based evaluation and faculty and residents were involved in the teaching.

BSc Optometry- Lectures(online and Offline) were taken along with MCQ based evaluation and faculty and residents were involved in the teaching.

Externship of BSc BMLT students-Externship students from various Paramedical colleges joined externship programme and were being rotated in all sections of pathology lab for a given time frame.

b) Postgraduate

The postgraduate residents are trained by active learning through time participation in pre-analytical, analytical and post-analytical phase of Pathology reporting. Post graduates participate actively in processing and reporting of histopathology, cytopathology, Haematology cases. Besides this, the department conducts formal teaching through seminars, slide discussion, gross seminars, technique discussion and journal clubs.

2. Diagnostic services:

The Department has full-fledged Histopathology, Cytopathology, Hematology and Clinical Pathology laboratories. These laboratories are equipped with latest state of art equipments to cater to the needs of the patients and to be able to provide a comprehensive diagnosis. A wide range of diagnostic tests are being done in these laboratories on a regular basis, with a minimum possible turnaround time.

The statistics for the year 01st April 2021 to 31st March 2022 are as follows:

DEPARTMENT OF PATHOLOGY AND LAB MEDICINE
STATISTICS OF LABORATORY INVESTIGATIONS
FROM 1st APRIL 2021 TO 31st MARCH 2022

Month	HAEMATOLOGY			CYTOLOGY				HISTOPATHOLOGY							
	HAEMA TOLOGY	CLINICAL PATHO LOGY	BMA	PAP SMEAR	FNAC / FLUID	OUT SIDE SLIDE FOR REVIEW	SPECIAL STAIN	SURGICAL	GENITO-URINARY	LYMPHO-RETICU LAR	OUT SIDE SLIDE FOR REVIEW	FROZEN CASES	IHC	SPECIAL STAIN	POST-MORTEM CASES
Apr-21	3245	797	44	42	202	5	16	301	142	55	35	18	1737	168	1
May-21	7511	514	15	0	56	2	9	159	20	18	11	1	851	139	2
Jun-21	55092	1774	46	36	280	3	20	528	146	47	26	9	1150	362	1
Jul-21	65890	2838	69	156	473	9	49	689	274	84	76	21	1859	308	3
Aug-21	61388	3388	61	221	547	8	43	749	348	77	85	22	2040	236	7
Sep-21	68102	903	69	250	655	20	35	857	376	85	82	25	2456	246	6
Oct-21	7422	194	64	156	561	9	33	725	297	70	81	29	1568	183	1
Nov-21	134443	320	65	176	477	6	26	718	311	72	63	19	1588	174	0
Dec-21	147967	412	64	239	555	10	33	691	311	82	53	9	652	184	2
Jan-22	59563	359	74	105	356	3	23	364	159	74	39	0	1013	167	1
Feb-22	115232	1103	53	146	375	4	14	400	198	56	52	0	1225	128	0
Mar-22	21870	2757	77	200	632	5	18	655	361	86	67	24	530	211	1
Total	747725	15359	701	1727	5169	84	319	6836	2943	806	670	177	16669	2506	25

3. Future plans

a) Histopathology: To set up of facilities for routine Muscle and Nerve biopsy reporting along with specialised histochemistry. To start FISH and Next generation sequencing (NGS) for diagnostic and research purposes.

b) Cytopathology: To start testing for circulating tumor cells. To start molecular diagnostics and screening (including qPCR, FISH and NGS) on cytopathology specimens. To start CYFRA and other parameters for enhanced detection of tumors and metastasis.

c) Hematopathology: To start an Advanced Coagulation and thrombophilia testing laboratory, FISH/ PCR for hematological malignancies and Flow cytometry based testing for Primary Immunodeficiency. To start facility for Stem cell enumeration for transplantation and MRD analysis by 10-colour flow cytometry.

d) Academics and teaching: To initiate PDCC courses in Dermatopathology, Gastrointestinal, Hepatopathology, Genitourinary pathology, Cytopathology, Breast and gynaecological Pathology, Soft tissue and Bone Pathology and Hematopathology.

II) Faculty activities:

Dr Sanjeev Kishore
Professor and Head

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Chairperson in International Pathology Day-2021, 15th November 2021 organised by Department of Pathology, Government Doon Medical College, Dehradun Under the aegis of IAPM Uttarakhand Chapter.

2. Awards & honours received
President - IAPM Uttarakhand Chapter

Dr Shalinee Rao
Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Expert speaker in interactive program conducted on World Health day 7 April 2021 (Building a Fairer Healthier World for Everyone" organized by Regional Science Center (RSC) and UCOST through zoom platform.

b) Panellist in "Planning and setting up of clinical-skills learning program for undergraduate students using blended learning technique"-A Training of Trainers' workshop" for session on Skill labs operationalisation - Challenges & the way forward scheduled by AIIMS Delhi on 28 August 2021

c) Resource Faculty in Faculty Development workshop in Medical Educational Technologies (Basic Course) at AIIMS Rishikesh from 6 to 11 September 2021.

d) Resource faculty in Faculty Development workshop in Medical Educational Technologies (Basic Course) at AIIMS Raebareli from 15 to 18 September 2021.

e) Resource faculty in Faculty Development workshop in Medical Educational Technologies (Basic Course) at AIIMS Deogarh held from 07 to 10 October 2021.

f) Moderator in 2nd IAPM Webinar for the postgraduates, Topic: Interpretation of endometrial biopsy: A practical approach (Speaker Dr Vandana Raphael) on 13 February 2022.

g) Resource faculty in workshop on Objective assessment: Clinical vignette/ Multiple Choice questions held on 12 March 2022 at AIIMS Deogarh.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)
Chairperson in a scientific session at the 27th Association of Indian Pathologists in North America (AIPNA) ICP International Pathology CME 2022 held from 4th to 6th February 2022.

3. Awards & honours received

a) Received Best e-Poster award for presentation entitled "Nursing Interns As Facilitators Impart Compression Only Life Support (COLS) Training To General Public In Community: An Innovative Capacity Building Initiative" in Medical Education Conference 2021 (MEDUCON 2021) held at JIPMER Puducherry on 3rd September 2021.

b) Co-authored in e-Poster entitled "Adopting The New Normal in Postgraduate Course Summative Assessment for evaluating Clinical Skills: An Experience from India During COVID-19 Pandemic Nation-Wide Lockdown" received Jury Choice award in Medical Education Conference 2021 (MEDUCON 2021) held at JIPMER Puducherry on 3rd September 2021.

c) Co-author in e-Paper entitled "High Fidelity, indigenously prepared low-cost moulage as a valid simulation tool to improve trauma education" received Best e-Paper award in Medical Education Conference 2021 (MEDUCON 2021) held at JIPMER Puducherry on 3rd September 2021.

d) Co-author in e-Poster entitled "Real time online learning in bioethics through case based and video assisted approach: a pilot study on second year medical students" received best poster award in National Conference on Health Professions Education 2021 (NCHPE 2021) organised at SGRD University of Health Sciences, Amritsar from 26 to 30 October 2021.

Dr. Prashant Durgapal
Associate Professor

1. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Accelerating Cervical Cancer Elimination in Uttarakhand: AIIMS Rishikesh Initiative- Panelists

b) Webinar Gall Bladder Cancer: Etiology to Treatment- Histopathology, Molecular biology & Genetics of GBC- Speaker

Dr. Ashok Singh
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Participated as faculty (panelist) in Annual Meeting of Indian Society for Heart and Lung Transplantation.

Dr. Priyavadhana
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Judge for posters in the 62nd Annual Conference of the Indian Society of Hematology& Blood Transfusion " Haematocon 2021" held from 10th – 13th November 2021

b) Resource person- Speaker on 'Quality Assurance in Hematology' in EPIC-2021

c) (E-Pathology International Conference 2021) organised by Dept of Pathology held on 1-3 December 2021

Dr Ravi Hari Phulware
Assistant Professor

1. Awards & honours received

a) Certified PUBLONS Academy Peer Reviewers on 1st June 2021.

b) Certificate of Excellence in Reviewing from Asian Journal of Orthopedic Research.



DEPARTMENT OF PHARMACOLOGY







8.33 PHARMACOLOGY

Vision statement:

Department of Pharmacology envisions to be a centre of excellence and a leader in medical education, innovative research, evidence based clinical care and policy making related to medicine in India

Mission statement:

- To combining high quality teaching with internationally recognized research.
- To provide a platform for teaching, research and training to produce the best of medical manpower for the country
- To develop a dynamic interface with pre-clinical, para-clinical and clinical medical disciplinesteaching pharmacology in an integrated curriculum.
- To participate in patient care through implementation of laboratory, clinical and regulatory services.
- To recognise the research gaps of public health importance in the field of pharmacology and address them through a sound scientific process.
- To identify and nurture quality human resources in pharmacology
- To inculcate a process of rational thinking and scientific temper in an individual so that he/she shall be competent,as a physician, to prescribe drugs to patients effectively and safely.

To train the budding doctors to be life-long learners of rational therapeutics by promoting self-directed learning

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Prof. Shailendra Handu	Professor & Head
2	Dr. Biswadeep Das	Additional Professor
3	Dr. Puneet Dhamija	Additional Professor
4	Dr. Manisha Bisht	Additional Professor
5	Dr. Gaurav Chikara	Associate Professor
6	Dr. Shazia Hasan	Associate Professor

I) Departmental activities :

1. Academic

a) Undergraduate

- The department is presently imparting training to the 2nd Prof MBBS students.
- Total theory and tutorial during the period: 130 Hrs
- Total Practical and Demonstration Classes :110 Hrs
- The department is also imparting training to the 2nd year B.Sc. Nursing students of the college of Nursing. There are two theory classes per week by faculty and Senior Residents of the Department (Total=60 Hrs)
- The Department uses problem based exercises, therapeutic problems, software and audio-visual aids,
- In addition to the regular class tests, tutorials, integrated teaching on theory topics and practical were conducted for MBBS students and also for B.Sc. Nursing students and BSc (Allied Health Sciences) students.
- The department also caters to the BSc Allied Health courses of the institute

b) Postgraduate

- Students of MD and MSc Program in Pharmacology are undergoing intensive training with a modular curriculum, monthly assessment and laboratory skills training.
- Students in DM Program in Clinical Pharmacology are undergoing intensive training with a modular curriculum, monthly assessment and laboratory skills training.
- Thesis work involving collaborative research is being actively pursued by the postgraduates

2. OPD Services : ADR Monitoring in OPDs

3. IPD Services:

ADR Monitoring Centre, Department of Pharmacology, AIIMS, Rishikesh

The department is engaged in "Pharmaco vigilance" activities and it is encouraging spontaneous Adverse Drug Reaction (ADR) reporting system in AIIMS, Rishikesh to foster both medication and patient safety leading to better health outcomes.The centre also provides training to post graduate students in the field of Pharmacovigilance as a part of dissertation thesis.

4. CME/ workshop/ conference/training organized by department

UP-UK APPICON 2020-21 virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India on 12th-13th November 2021.

Organised:

a) "3rd National Biomedical Research Competition, 2021" organised under the aegis of SYBS, India at AIIMS, Rishikesh on from 6-10 December 2021 (Online)

b) 17 September 2021 Sensitization to Materiovigilance Program of India

c) 18 September 2021 Sensitization to Pharmacovigilance Program of India

d) 21 September 2021 Research Opportunities and Clinical Issues in Pharmacovigilance

e) 23 September 2021 Operationalizing Materiovigilance at AIIMS, Rishikesh

f) 12-13 November 2021 10th Annual Conference of Association of Physiologists and Pharmacologists of India

g) 6th – 10th December 2021 3rd National Biomedical Research Competition

5. New initiative of department

a) Initiated new academic programs – DM (Clinical Pharmacology), PhD and MSc (Medical Pharmacology)

b) Designed a curriculum for DM, MD and MSc programs to impart an intensive and competency based training to the post-graduates

c) Have initiated plans for the development of the infrastructure and laboratory facilities.

d) Initiated the development of Laboratory Animal Facility (Animal House) at AIIMS, Rishikesh

e) Introduced Problem based learning and OSPE based assessment in MBBS training program

f) Initiated the DM in Clinical Pharmacology program from January, 2019

g) Refining the method for estimation of antiepileptic drugs for TDM services

h) Problem based teaching –learning, small group sessions & other students-cantered teaching –learning activities

i) Initiated the development of Laboratory Animal Facility (Animal House) at AIIMS, Rishikesh

6. Other activities / achievement by Department

Trained 10 M. Pharm (Clinical Research) students for 6 months in field of pharmacovigilance and materiovigilance.

7. Future plan

a) Launching the TDM services for the hospital

b) Competency based learning and assessment for MBBS, MD and DM program

c) Establishing a Clinical Pharmacology Unit/ Skills laboratory.

d) Development of a modern IVC based Laboratory Animal Facility

II) Faculty activities :

Prof. (Dr.) Shailendra Handu
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) UP-UK APPICON 2020-21 virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India on 12th - 13th November 2021.

b) Virtually organized by 3rd National Biomedical Research Competition, 2021" organised under the aegis of SYBS, India at AIIMS, Rishikesh on from 6-10 December 2021

Dr Biswadeep Das
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Delivered a Lecture On 'Bloom's Taxonomy of Educational Objectives & its Applications in Medical Education' as Faculty Resource Person Organized by Medical Education Unit (MEU) of Veer Chandra Singh Garhwali Government Institute of Medical Science & Research, Srikot, Srinagar, Pauri Garhwal, Uttarakhand - 249 122, India on April 15, 2021.

b) Delivered a Lecture on 'Clinical Pharmacokinetic Calculations' as Faculty Resource Person(Speaker) in the 6th Annual Sri Ramachandra Pharmacology Insight & Rapid Review Course-Aspire 2022 Organized by Department of Pharmacology, Sri Ramachandra Medical College & Research Institute, Sriher, Porur, Chennai, Tamil Nadu-249 122, India on February 13, 2022.

c) Delivered a Lecture On 'Clinical Pharmacokinetic Calculations For Medical Postgraduates' as Faculty Resource Person (Speaker) at Department of Pharmacology, All India Institute of Medical Sciences (AIIMS) Raipur, Tatibandh, Raipur, Chattisgarh-492 099, India on March 5, 2022.

2. Awards & honours received

a) International Advisory Board Member of the International Journal 'Cancer Treatment and Research Communications (Elsevier)' (Medline Listed).

b) International Advisory Board Member (Medical Statistics) of the International Journal 'Cancer Reports(Wiley)'(Medline Listed)

Dr Puneet Dhamija
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

UP-UK APPICON 2020-21 virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India on 12th - 13th November 2021.

2. 3rd National Biomedical Research Competition, 2021" organised under the aegis of SYBS, India at AIIMS, Rishikesh on from 6-10 December 2021

Dr Manisha Bisht
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Coordinator - Faculty Development Workshop on Medical Education Technologies - 30 August to 4 September 2021

b) Coordinator and resource faculty in workshop on "Skill enhancement for effective digital presentation" on 9, 11 October 2021.

c) Organizing committee member in UP-UK APPICON 2020-21 virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India on 12th - 13th November 2021

d) Guest e lecture-Anticancer drugs. Organized by Dept of Pharmacology. Chettinad academy of Research and care. 11 -12-2021

e) Chairperson in "Oral paper presentation competition" in UP-UK APPICON 2020-21 virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India on 12th - 13th November 2021.

f) Chairperson in "Oral paper presentation competition" in Annual conference of cardio diabetic society in collaboration of uttarakhandcardiabcon 2020-21 virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India on 25th-26th November 2021.

Dr. Gaurav Chikara
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Participated as Jury member in "under Health Sciences category, 3rd National Biomedical Research Competition, 2021" organised under the aegis of SYBS, India at AIIMS, Rishikesh on from 6-10 December 2021.

b) Participated as resource person of organising committee in the "3rd National Conference on Antimicrobial Stewardship Practices" ASPICON 2021 held from 3rd-

4th December 2021 at AIIMS Patna, Bihar, India.

c) Participated as resource person in the workshop held during "World Anti-microbial Awareness Week" celebration from 18th – 24th November 2021 and organised by College of Nursing & Department of Medicine at AIIMS Rishikesh, India.

d) Participated as organising committee member in UP-UK APPICON 2021 during 10th Annual Conference of Physiologists & Pharmacologists of India, organised by Department of Physiology and Pharmacology at AIIMS Rishikesh, India on 12th -13th November 2021.

Dr. Shazia Hasan
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Participated as organizing committee member in UP-UK APPICON 2020-21 during 10th Annual conference of Association of Physiologists & Pharmacologists of India on "Innovative technologies for clinical applications" virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand, India on 12th-13th November 2021.





DEPARTMENT OF PHYSIOLOGY







8.34 PHYSIOLOGY

Vision : Leadership in education, research, and diagnostic services in basic, clinical and applied physiology.

Mission statement : To develop expertise and innovation using the principles of Physiology to lead medical education, translational research and establish clinical diagnostic services to support regional healthcare needs.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Prof Latika Mohan	Professor & Head
2	Prof Prashant M. Patil	Professor
3	Dr Sunita Mittal	Additional Professor
4	Dr Yogesh Singh	Additional Professor
5	Dr Arun Goel	Additional Professor
6	Dr. PoorviKulshreshtha	Additional Professor
7	Dr Jayanti Pant	Associate Professor
8	Dr Ashwini A. Mahadule	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate

- Lectures
- Practical classes in clinical physiology and haematology labs
- Demonstration of EEG, NCV, EMG, AFT, Audiometry, Blood bank visits
- Regular system-wise Quiz competition
- Student seminars
- Working model exhibitions
- Undergraduate research projects

b) Postgraduate

- Seminars
- Journal Club
- Dissertation/thesis discussion
- Postgraduate practical
- Hands on training in EEG, NCV, EMG, AFT, ABPM, VEP, cognitive tests, IONM
- Weekly teaching meeting, microteaching for junior residents
- Group discussions
- Visits to various clinical departments and labs for training

2. CME/ workshop/ conference/training organized by department

UP-UK APPICON 2020-21 : 10th Annual conference of Association of Physiologists & Pharmacologists of India on 'Innovative technologies for clinical applications' virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India from 12th - 13th November 2021.

3. New initiative of department

B.Sc. course in clinical neurophysiology and IONM started in the year 2021.

4. Other activities / achievement by Department

a) Diagnostic investigations:

- Electroencephalography Lab (EEG) - 05
- Nerve conduction velocity (NCV) - 256
- Electromyography Lab (EMG) - 50
- Autonomic function lab - 298
- Ambulatory BP monitoring - 07
- Intraoperative neurophysiological monitoring (IONM) - 10
- Visual evoked potential (VEP) – 100
- P300 – 43
- Central sleep lab in collaboration with Psychiatry

b) Collaborations with other departments:

Inter-institutional:

- IISC Bangalore and NDRF Bangalore for the development of rat cyborgs.
- AIIMS Bhubaneshwar for Quantitative

EEG analysis

- IISC Bangalore for developing AI for designing artificial neuronal network for seizure detection
- Collaboration with Swami Vivekananda Health Mission Society for High Altitude Medicine.

Intra-institutional:

- Department of Medicine
- Department of Psychiatry
- Department of Pulmonary Medicine
- Department of OBGY
- Department of Ophthalmology
- Department of CFM
- Department of Burns and Plastic
- Department Biochemistry
- Department of Neurology

5. Future plan

Following Labs in the various disciplines are envisioned: -

a) Animal experimental laboratory

b) Exercise Physiology Laboratory

Proposal have been sent for the following to respective committees to develop:

c) Centre for excellence for lifestyle modification (Nutrition, Yoga and Body composition analysis)

d) High altitude medical emergency and research centre (MOU signed with regional high-altitude centres)

- Controlled environment habitat

The above projects will be carried out in coordination with other disciplines of this institute as well as in collaboration with other premier institutes of India and abroad. We also intend to incorporate the benefit of allied and alternative disciplines of medicine like Ayurveda, Homeopathy, Yoga, meditation based on scientific research.

II) Faculty activities:

Dr Latika Mohan
Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) In charge Hospital QC during Delta wave in AIIMS Rishikesh

b) Resource faculty in capsule course on High Altitude Medicine on 23-09-2022 to 25-09-2021 at Senge, Arunachal Pradesh

c) External member of panel on "Physiology of extreme environment and Behavioural Sciences (PEE & BS)" of Life Science Research Board (LSRB) DRDO held on 16-09-2021

d) 'Organizing Chairperson' during UP-UK APPICON 2020-21 :10th Annual conference of Association of Physiologists & Pharmacologists of India on 'Innovative technologies for clinical applications' virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India from 12th - 13th November 2021.

e) Invited as Chairperson Peer review committee meeting for three projects at DIPAS on 18-11-2021

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Poster presentation as first author in ISMM 2021, Virtual XIII World Congress on mountain medicine 14 – 16 June 2021 at International society of mountain medicine, University of Bern

Dr Prashant M Patil
Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Member of expert group for revision of the curriculum for MD in Physiology, National Medical Commission, India.

b) 'Scientific expert' during UP-UK APPICON 2020-21 :10th Annual conference of Association of Physiologists & Pharmacologists of India on 'Innovative technologies for clinical applications' virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India from 12th - 13th November 2021.

2. Awards & honours received

Judge in scientific oral and poster presentation during UP-UK APPICON 2020-21 : 10th Annual conference of

Association of Physiologists & Pharmacologists of India on 'Innovative technologies for clinical applications' virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India from 12th - 13th November 2021.

Dr Sunita Mittal
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Presented virtually 'Therapeutic Application of 'Yogic Breathing Exercises in the Control of Intra Ocular Pressure by Modulating Autonomic Nervous System' in the workshop themed as 'Indian Knowledge System and Mental Health (IKSMH)', organized and invited by IIT Mandi and HCI Foundation (iHub)on 26-03-2022.

b) Participated in a Symposium cum Panel Discussion on the topic 'Myths, Facts and Reality: Animal Experimentation in Physiology' organized by 'Editorial Team of Physiology Insight (Under Aegis of Association of Physiologists of India- U.P. Chapter) on 28 Aug 2021.

c) 'Special Advisor' during UP-UK APPICON 2020-21 :10th Annual conference of Association of Physiologists & Pharmacologists of India on 'Innovative technologies for clinical applications' virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India from 12th - 13th November 2021.

d) Adjudicated the 'Poster presentation competition'in UP-UK APPICON 2020-21 during 10th Annual conference of Association of Physiologists & Pharmacologists of India on 'Innovative technologies for clinical applications' virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India from 12th - 13th November 2021.

e) Adjudicated the complete poster session from 9 am to 2 pm during annual conference of Cardio-diabetic society in collaboration with Uttarakhand Cardiabcon in hybrid mode by the Department of Internal Medicine at AIIMS Rishikesh on 25th Nov 2021.

f) Joined the session 'Role of Ambulatory Glucose Profile in Management of Diabetes during Covid times'at 2: 40 -3 Pm during annual conference of Cardio-diabetic society in collaboration with Uttarakhand Cardiabcon in hybrid mode by the Department of Internal Medicine at AIIMS Rishikesh on 25th Nov 2021.

g) Faculty for the session 'Learning Skills-from a student to being a medical student' during Foundation Course Scheduled for MBBS batch 2022 on 3rd February 2022 as Charperson.

Dr Arun Goel
Additional professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) As resource person for AIIMS, Rishikesh invitation for Regional Review Meeting (Ayushman Sangam) under the chairmanship of CEO, NHA, on 28th - 29th October 2021 at Kasauli (Himachal Pradesh) for Northern States / UTs.

b) Given a presentation on AB PM-JAY on behalf of AIIMS Rishikesh as Faculty Incharge, Ayushman Bharat PM-JAY on 28th Oct. 2021 at Kasauli (HP)

c) Invited as subject expert for conduct of physical inspection and to attend Board of Studies for Post Graduate Medical Course at AIIMS, Mangalagiri in the subject of Physiology on 28.03.2022 (executed via video-conference)

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Invited as speaker in hybrid conference - World Congress of Chronomedicine 2021 on 17th to 19th December 2021 at IMA House, Noida and delivered online talk on the topic ' Circadian rhythm & cardiorespiratory parameters'.

Dr. Poorvi Kulshreshtha
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest speaker: CME: Intraoperative Neuromonitoring (IONM) organized by the Deptt of Physiology, KIMS, KIIT Deemed to be University on 27 November 2021.online mode

b) Guest speaker: CME "Autonomic Function Tests: An Update" conducted by Physiology department, AIIMS Bathinda on 29th Jan 2022, online mode

Dr Jayanti Pant
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Organizing Secretary - UP-UK APPICON 2021-10th Annual Conference of Association of Physiologists & Pharmacologists of India: Innovative technologies for clinical applications 12th -13th November 2021

2. Awards & honours received

a) Awarded for outstanding contribution in Hindi language related work in Institutional Annual report on 23rd September 2021

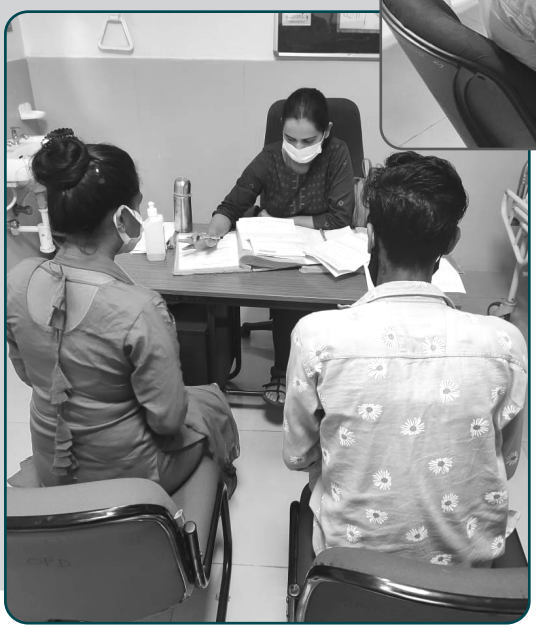
b) Awarded by Uttarakhand State Council for Science and Technology (UCOST) for outstanding contribution in the field of Medical Science on Women's Day 8th March 2022

Dr. Ashwini A Mahadule
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Organizing committee member during UP-UK APPICON 2020-21 : 10th Annual conference of Association of Physiologists & Pharmacologists of India on 'Innovative technologies for clinical applications' virtually organized by Departments of Physiology and Pharmacology, AIIMS Rishikesh, Uttarakhand India from 12th - 13th November 2021.





DEPARTMENT OF PSYCHIATRY





8.35 PSYCHIATRY

Vision

We aspire to benefit humankind by providing healthcare services using contemporary scientific principles, empowering students by imparting most recent knowledge and exploring new avenues for improving health by investing in research

Mission

Our mission is to provide the best available healthcare services using principles of evidence based medicine to reduce burden of disease and to improve patients' quality of life and functioning. At the same time, we are also working towards developing sub-specialties in Psychiatry to deliver tertiary care services to the patients who need advanced care and services. We are working towards equipping our students with most recent knowledge and helping them to develop critical and analytical skills so that they can prove themselves beneficial to the humankind and take leadership role in future. We are also investing heavily in research in contemporary areas of the subjects and developing collaboration with other departments and agencies to explore and expand our understanding related to various facets of psychiatric disorders

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Ravi Gupta	Additional Professor &HoD
2	Dr. Anindya Das	Additional Professor
3	Dr. Vishal Dhiman	Additional Professor
4	Dr. Vikram Singh Rawat	Associate Professor
5	Dr. Jitendra Rohilla	Associate Professor
6	Dr. Vijay Krishnan	Assistant Professor

I) Departmental activities:

1. Academic

Following activities were performed:

a) UG Teaching
- Theory
- Clinics

b) PG and DM (Addiction Psychiatry) Teaching
- Case conferences
- Journal Clubs
- Grand rounds
- Seminars
- Debate

c) BSc (Sleep Technology)

2. OPD Services

Outpatients department: OPD is situated in hospital building C on Level 3

a) Due to COVID-19 pandemic, outpatient services were affected intermittently. During that period, patients were offered outpatient services through telemedicine and screening OPD run by the institute.

b) Total number of patients seen face to face in psychiatry outpatient service: 10414

General OPD:

a) The General OPD provides services to the patients suffering disorders that represent in the form of alteration in behaviour, emotions, perception, thoughts and cognitive functions like attention, concentration, memory, reasoning and judgment etc. To sum-up, general OPD caters patients suffering from Depression, Anxiety, Bipolar Disorder, Schizophrenia, Substance use, Sexual Problems, Dementia, Sleep Disorders, Generalized Multisite Body Pains, Medically Unexplained Symptoms, Emotional and Behavioural symptoms co-occurring with other medical disorders etc.

b) Total number of patients seen in General OPD: 9860

3. Special Clinic:

a) Sleep clinic
- Every Thursday
- Total number of patient since July 2021 till March 2022 : 208

b) Drug Treatment Centre (DTC)
- -Daily till December 2021
- -Total number of patient seen till

December 2021 - 475

c) Addiction Treatment Facility
- Daily since January 2022
- Total number of patient seen since January 2022 till March 2022 : 256

d) Sexual Clinic
- Every Tuesday
- Total number of patient : 90

4. IPD Services

a) There are a total of 19 beds in psychiatry ward on third floor in Hospital building B, Level 4.

b) Among 19 beds, 10 beds are earmarked for inpatient service of Addiction Treatment Facility as this is a project of ministries of MoHFW and MSJY, Government of India.

c) In addition, two beds are available in Sleep Laboratory.

d) Total number of patients admitted in Psychiatry ward – 272

o Total number of patients admitted in General Psychiatry ward – 158

o Total number of patients admitted in Addiction Treatment Facility – 114

e) Total No sleep study performed in sleep lab : 112

f) Total No of ECT (Electro Convulsive Therapy) : 15

g) Consultation Liaison Psychiatry (Approximately 4-8 inpatients referred per day from different clinical departments)

5. CME/ workshop/ conference/training organized by department

Faculty participated in TOT CME conducted by Department of Pulmonary Medicine in the first week of Sept 2021

6. New initiative of department

a) Department has started the following clinical services in this financial year
- Addiction Treatment Facility :

  i. Outpatient clinic - daily

  ii. Inpatient ward
- Sexual Clinic – Every Tuesday

b) Tele-Psychiatry services were started by the department to help the patients during pandemic.

7. Other activities / achievement by Department

Involved in care and treatment of Covid-19 patients

8. Future plans

Clinical Services:

a) Expansion of community based services

b) School Mental Health Program

c) New services to be started:
- Clinical psychology including child / school psychology and neuropsychology

d) New therapeutic approaches / services to be started:
- Repeated Transcranial Magnetic Stimulation (r-TMS)
- Behavioral Therapy Unit
- Expansion of services in Sleep Clinic and Sleep Laboratory

Research:

New Research modalities to be explored:

a) Functional Neuro-imaging

b) Genetic markers of Diseases

c) Neurophysiology

d) Neuromodulation

e) Neuropsychology

II) Faculty activities:

Dr. Ravi Gupta
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Invited presentation on “Management of REM sleep behavior disorder: Challenges” in Annual course of ACE school of Sleep Medicine (Feb, 2022)

b) Invited presentation on “Sleep disorders in Psychiatry practice” in a CME organised by Eisai Inc., USA

c) Invited presentation on “Sleep disorders: Effect of COVID-19 pandemic” in CME organized by Indian Psychiatric Society, Uttar Pradesh Branch (Dec, 2021)

d) Invited presentation on “Circadian Rhythm Sleep Disorders” in Polysomnography Workshop organized by

Department of Neurophysiology, NIMHANS, Bengaluru (Dec, 2021)

e) Invited presentation on "Sleep Hygiene: From theory to clinical practice" for the Psychiatrists (Nov 2021)

f) Invited presentation on "Recent advances in pharmacotherapy of insomnia" in CIPCON-2021

g) Invited presentation on "Sleep related issues among patients with COVID-19 infection" for Psychiatrists (Oct, 2021)

h) Invited presentation on "Approach to a patient having sleep disorders" for Psychiatrists (Sept 2021)

i) Symposium presentation on "NIMHANS-AIIMS-R Collaboration for primary care Psychiatry: challenges and opportunities" in WASP Asia Pacific Hybrid Congress 2021 (Sept 2021)

j) Symposium presentation on "Include Sleep Medicine too in UG psychiatry curriculum" in WASP Asia Pacific Hybrid Congress 2021 (Sept 2021)

k) Invited presentation on "Sleep Wake disorders in ICD-11: implication for practice" in foundation day program of PGIMER Chandigarh (Sept 2021)

l) Invited presentation on "Sleep and Metabolic Syndrome" in Post Graduate Development program of Indian Psychiatric Society North Zone (Sept 2021)

m) Invited workshop on Obstructive Sleep Apnea" in midterm CME of Indian Psychiatric Society (Aug 2021)

n) Invited presentation on "Ergonomics and occupational mental health" in national CME organized by AIIMS,

o) New Delhi and Indian Association of Social Psychiatry (July 2021)

Dr Anindya Das
Additional Professor

1. **International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

   Presented symposium on "Behavioural Sciences in UG curriculum" at World Association of Social Psychiatry Asia-Pasific Hybrid Conference 2021 (16-18 Sept, 2021)

2. **Awards & honours received**

   External expert to National Health System Resource Centre (NHSRC) &Central Drugs Standard Control Organization (CDSCO)

Dr. Vishal Dhiman
Additional Professor

1. **National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

   Attended as Faculty the Training of Trainers (TOT) on Opioid Substitution Therapy (OST) programme held from 20-22 September 2021 by NACO.

Dr. Jitendra Rohilla
Associate Professor

1. **National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)**

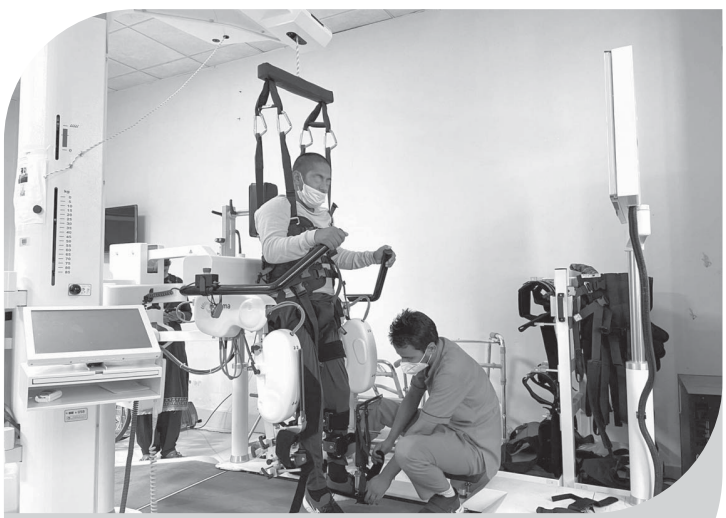
   Speaker at CME of Uttarakhand State Branch of the Indian Psychiatric Society (IPS- UKSB) on "Salient features of ICD-11, mental, behavioural and neuro-developmental disorders-focus on adult-onset disorders" on 20th February 2021.

DEPARTMENT OF PHYSICAL MEDICINE & REHABILITATION









8.36 PHYSICAL MEDICINE & REHABILITATION

Department of Physical Medicine & Rehabilitation (PMR) at AIIMS, Rishikesh is one of the pioneer Rehabilitation Centre in the region where comprehensive medical and rehabilitation services are available to restore an individual's condition to the maximum possible level of functioning in consideration with the medical condition vis-à-vis environmental factors

We focus to improve the quality of life of the patient through a dynamic team oriented approach. The traditional medical approach aims "adding years to life" while PMR with the functional model accomplishes "adding life to years".

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr Rajalakshmi H Iyer	Professor
2	Dr Raj Kumar Yadav	Associate Professor
3	Dr Osama Neyaz	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate

- Department is helping Pulmonary Medicine Department in conducting the B.Sc. Respiratory therapy course by taking theory and practical classes of the students.
- Theory Classes

b) Postgraduate

- MD (PMR) course is undergoing in the Department.
- Total number of MD students joined till this session: 06
- DM (Pain Medicine) Course is undergoing in the Department.
- Total number of DM (Pain Medicine) students joined till the session: 02
- Total number of PhD scholars undergoing their research activity in the Department during the session: 02

2. OPD Services:

a) In Room No 031116, 031102 at Ground Floor, OPD Block © Block), total number of patients seen in OPD during the session: 13689

b) Total number of interventions (intra-articular and soft tissue injections, nerve blocks) done during the session: 638

c) Total number of patients seen for therapy during the session: 11295

d) Total number of orthosis and prosthesis fabricated and delivered: 50 (no of patients: 215)

Special Services offered by the department:

Advance Robotic Rehabilitation: The Robotic devices with Virtual Reality System and Biofeedback are used in our department for the recovery and rehabilitation of Quadriplegic, Paraplegic and Hemiplegic patients even in early phase when they do not have any motor power.

Total number of sessions of patients on the device

Armeo Spring Session – 117 (15 Patients)
Lokomat Pro Session – 286

Gait and Motion Analysis Lab:This system measures or gives real time feedback on the movements of the whole body or any part thereof, and therefore used for a wide range of applications such as gait deviations due to injury, pain, post-operative orthopaedic patients, posture analysis etc.

Total Gait and Motion Analysis done: 173

Plantar Pressure Analysis Systemused in the management of conditions with foot pain, ulcers and deformities.

Total number Foot Pressure Mapping done: 215

3. Special Cilinics:

a) Motion Analysis Clinic

b) TBI Rehab & Diabetic Foot Clinic

c) Pain Intervention & Amputee Rehab Clinic

d) Stroke & SCI Clinic

4. IPD Services

a) Total number of patients managed in IPD during the session: 61

b) Total number of patients seen in IPD as Ward Referrals: 130

5. Health awareness/ educational activities organized by department

a) Dr Mohit Kishore Srivastava Senior Resident (DM Pain Medicine) and Dr Rahul Sharma (MD Student) received 1st Prize, National Quiz held in IAPMR Mid Term CME 2021

b) Dr Mohit K Srivastava, Senior Resident (DM Pain Medicine) and Dr Rahul Sharma (MD Student) received 2nd Prize, National Quiz in IAPMRCON 2022

c) Dr Mohit Kishore Srivastava received Certificate of Appreciation on CME with Hands on Cadaveric Workshop on chronic pain management, organised by Pain Unit Department of Anaesthesiology & Critical Care, KGMU Lucknow held on 2nd& 3rd April 2022.

d) Dr Aditi & Dr Indulekha (MD Student), received 2nd Prize, National Quiz held in IAPMR Mid Term CME 2021

6. New initiative of department

Department has started the DM (Pain Medicine) Course.

7. other activities / achievement by Dept.

Department is running a Physiotherapy Externship training programme; 34 Physiotherapy students has joined the department for the training during the session.

Ongoing Research:

a) Disability following COVID-19: a cross sectional study.

b) Static and Dynamic foot pressure distribution variations in adults.

8. Future plan

Patient Services: To start –

a) Electrophysiological monitoring of therapeutic response in neurological disorder.

b) Urodynamic System monitoring for bladder rehabilitation.

c) Functional Electrical Stimulator for training of patients with neurological injury.

II) Faculty activities:

Dr Raj Kumar Yadav
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Acted as a Chairperson in Indian Association of Physical Medicine & Rehabilitation (IAPMR) Midterm CME on 25th September 21.

b) Acted as a Chairperson in Indian Association of Physical Medicine & Rehabilitation (IAPMR) Midterm CME on 28th March 22.

c) Presented in Training of trainers in COPD module on 10th September 21 at AIIMS, Rishikesh organised by Department of Pulmonary Medicine.

d) Presentation in Annual Conference of Neurological Surgeons Society of India – 05th March 22.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Presented in International Multidisciplinary Rehab-E-Con-2022 on 27th February 22 organised by Association for Clinical Neurology & Mental Health

Dr Osama Neyaz
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Integrated lecture session on "Cerebral Palsy" 2021

b) Passes "Basic Course in Biomedical Research", by ICMR-National Institute of Epidemiology in Aug 2021

c) IESRF Editors Workshop 2021

d) IAPMR MID-TERM CME 2021.

e) IAPMRCON 2022

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

International Author Workshop 2021

3. Awards & honours received

Indraprastha Association of Rehabilitation Medicine Rehabilitation Research Award 2021 for the best-published paper in a journal.





DEPARTMENT OF PULMONARY MEDICINE





8.37 PULMONARY MEDICINE

Department of Pulmonary Medicine caters to wide range of respiratory disorders armed with state of art Bronchoscopy and Pulmonary function testing services. Department aims to excel in teaching, training of undergraduates & postgraduates and keeping pace with latest advances in therapeutics & diagnostics along with planning innovative research strategies.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Girish Sindhwani	Professor & Head
2	Dr. Ruchi Dua	Additional Professor
3	Dr. Mayank Mishra	Additional Professor
4	Dr. Prakhar Sharma	Associate Professor
5	Dr. Lokesh Kumar Saini	Assistant Professor

I) Departmental activities :

1. Academic

The Department is Part of under-graduate (MBBS) educational activates as a part of medicine and allied (15 lectures, integrated teachings) and internship programme as elective posting.

2. OPD Services

The department provides daily OPD services catering to wide range of obstructive, restrictive, infective and malignant respiratory disorders. Approximately 11985 patients benefitted from OPD services rendered by the department, during last year.

3. Diagnostic Services:

Currently the Department runs 03 labs

a) related Full-fledged state of art Pulmonary function lab offering spirometry, diffusion, body box plethysmography and cardio-pulmonary exercise testing.

b) Interventional Pulmonology lab providing Basic and advanced bronchoscopy procedures, endobronchial USG (EBUS) and Thoracoscopy. Rigid bronchoscopy for therapeutic and diagnostic procedures along with Cryotherapy and cautery facilities for therapeutic management of wide range of neoplastic and non-neoplastic disorders.

c) Sleep lab for diagnosis and management of sleep breathing disorders.

4. Major/Minor OT Services

Bronchoscopy Procedure-	
Rigid bronchoscopy	- 20
Ebus bronchoscopy	- 190
Thoracoscopy	- 30
Flexible bronchoscopy procedures	- 629
TOTAL	**- 869**

5. Special Clinics

Sr. No.	Department	Clinics	Faculty	OPD Days
01	Pulmonary Medicine	COPD Clinic	Dr. Ruchi Dua	Monday
02	Pulmonary Medicine	Bronchial Asthma	Dr. Ruchi Dua / Dr. Prakhar Sharma	Wednesday
03	Pulmonary Medicine	Interstitial lung disease Clinic	Dr. Girish Sindhwani / Dr. Prakhar Sharma	Thursday
04	Pulmonary Medicine & Psychiatry	Sleep Clinic	Dr. Lokesh Kumar Saini	Thursday
05	Pulmonary Medicine	Lung Cancer Clinic	Dr. Mayank Mishra	Friday

6. IPD Services

906 indoor admissions were done during the last year and ward witnessed a bed occupancy of 78.23 % Procedures like tube thoracostomy, Ultrasound guided FNAC, Biopsy, pleurodesis and thoracocentesis are performed on daily basis. The facility for non-invasive and invasive ventilatory support along with state of art intensive care services is also available.

7. Health awareness/ educational activities organized by department

World TB Day Celebrate with poster and quiz Programme- dated 24 March 2022

8. CME/ workshop/ conference/training organized by department

"Hands on Training of Medical Officers in Chronic Obstructive Pulmonary Disease (COPD)" dated 09-10 September 2021.

9. Future plan

a) Upgraded bronchoscopy services

b) Broncho provocation test & MIP/MEP in Pulmonary Function lab along with improved Cardio-pulmonary exercise testing facility

II) Faculty activities :

Dr. Ruchi Dua
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Delivered talk on " Co-morbidities in bronchial asthma" organised by KGMU,Lucknow as part of International PG update april 2021

b) Participated as resource faculty in STc Uttarakhand Difficult to treat TB clinic on 22.3.2022

c) Organizing secretary of NHM's Training of Trainers Program held at AIIMS-R on 7-10 September 2021 (Hybrid mode).

d) Delivered talk on

- combined assessment,
- Spirometry,
- NIV in COPD in NHM's Training of Trainers Program held at AIIMS-R on 7-10 September 2021.

e) Delivered talk on "Role of EBUS" in International PG update organised by Respiratory Medicine department, KGMU Lucknow.

f) Organising Member and Chairperson in World conference of anaesthesiology & critical care 2021

g) Speaker on "Pulmonary Embolism" in 2nd National Pulmonary PG Conference 2021 (Virtual) on 26.09.2021 organised by Respiratory Medicine department, KGMU Lucknow.

h) Speaker on "Pulmonary Embolism – case based approach" organised by Respiratory Medicine department, KGMU Lucknow, December 2021.

2. Awards/honour received
Certificate of Appreciation on National Doctor's Day, 01.07.2021

Dr. Mayank Mishra
Additional Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Chaired a session on Pulmonary Infections in COVID-19 on 17.07.2021 in the five-day ICS (North Zone) Virtual Conference Series.

b) Panellist in webinar on Post-COVID Fibrosis panel discussion held on 07.08.21 (educational initiative by pharmaceutical co).

c) Speaker on 'Risk factors for COPD' and 'Complications in COPD – what & how to manage?' in NHM's Training of Trainers Program held at AIIMS-R on 7-10 September 2021.

d) Speaker on "Role of EBUS in early stage lung cancer" in Oncology CME on Newer Updates in Lung Cancer-2021on 17.09.2021 at Dehradun (educational initiative by pharmaceutical co).

e) Speaker on "Role of EBUS in lung cancer" in 2nd National Pulmonary PG Conference 2021 (Virtual) on 26.09.2021 organised by Respiratory Medicine department, KGMU Lucknow.

f) Chairperson in session on "Advancements in Cryobiopsy" in International Respiratory Conference (Virtual) conducted by Department of Respiratory Medicine, KGMU, Lucknow on 05.12.21.

Dr Lokesh Kumar Saini
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) As a Speaker, Faculty guidance webinar on the topic "Pulmonary Manifestations and ARDS management" on 18.05.2021

b) As a resource person (Speaker), "Corona se darona" a joint initiative from AIIMS Rishikesh and Laadli foundation as a social outreach program on 15.05.2021

c) As a resource person (Speaker), "Corona se darona" a joint initiative from AIIMS Rishikesh and Laadli foundation as a social outreach program on 28.05.2021

d) As a Panellist, webinar on the topic "Understanding & Managing OSA" on 18.06.2021 organised by Indian Chest Society (Uttarakhand Chapter)

e) As a Moderator of Panel discussion, on the Theme "Multi-disciplinary Respiratory Care in COVID-19" on 03.07.2021 during a 2 day webinar "Fundamentals of Respiratory Care in COVID-19" organised by AIIMS Rishikesh and Indian Association of Respiratory Care

f) As a Panellist, Monthly case discussion on the topic "Step ladder approach necessary in management of patient" on 12.03.2022 organised by Indian Chest Society (Uttarakhand Chapter)

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

As a Panellist, Webinar on "High flow nasal oxygen - All you need to know" on 24.06.2021 organized by Indian academy of Respiratory care the academic wing of Indian association of Respiratory Care

3. Awards & honours received

a) Appointed as Associate Editor of "Sleep and Vigilance" Journal

b) Certificate of Appreciation on National Doctor's Day, 01.07.2021



DEPARTMENT OF RADIATION ONCOLOGY



8.39 RADIATION ONCOLOGY

To excel in cancer care and training in the country and bring about quality and innovative research in field of cancer diagnosis, management and prevention.

Mission statement: Our mission is to ensure quality care to each and every cancer patient we serve, using cutting edge technology and comprehensive cancer care at a very affordable cost. We have special focus on teaching and quality training of postgraduate doctors in Radiation Oncology. We are keen on research in the field of oncology to provide solutions relevant to this region and our country.

Department has come up with latest facilities for cancer treatment. Radiation therapy facility has commenced from 26th January 2018. It is a state of art center equipped with high energy linear accelerator Versa HD with FFF radiation beam capable of performing high end radiotherapy techniques. We are providing 3D CRT, Intensity Modulated Radiotherapy (IMRT), Image Guided Radiotherapy (IGRT), Radiosurgery [Stereotactic Radiosurgery (SRS), Stereotactic Body Radiotherapy (SBRT)], Adaptive Radiotherapy and HDR Brachytherapy facilities here. Brachytherapy procedures being done include intracavitary and interstitial brachytherapy for gynecological malignancies, interstitial brachytherapy for head and neck and soft tissue sarcomas. There are dedicated state of the art quality assurance (QA) equipment in the department. Another state of art latest technology low energy linear accelerator (Halcyon) has also been installed and is functional for patient care.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Prof. Manoj Gupta	Professor & Head
2	Dr. Deepa M. Joseph	Additional Professor
3	Dr. Sweety Gupta	Associate Professor

I) Departmental activities:

1. Academic

a) Regular undergraduate classes once a week a being held on every Thursday 8- 9 am

b) Clinical posting (ward/OPD/Radiation bunker) of undergraduate students on regular basis

c) MD Radiation Oncology 3 years academic program is being run in our department and at present there are 14 post graduates in the department.

d) Twice weekly tumour board being conducted every Wednesday and Friday : 2:30 pm onwards

2. OPD Services

We are treating cancers of all sites. There are regular outpatient services including diagnosis, staging work up and treatment of cancer. We provide day care chemotherapy facility, targeted therapies and emergency services.

Monday, Wednesday, Friday Unit I - Prof Manoj Gupta / Dr Sweety Gupta

Tuesday, Thursday, Unit II-Dr Deepa M. Joseph

Palliative care OPD-Every Tuesday & Friday: 2:00-4:00 pm

During this period 1897 new cases of cancer patients have been registered in Radiation Oncology OPD

Total patients treated by External radiotherapy on both machines were 1229 during this period

3. IPD Services

a) Patients are admitted in IPD for supportive care, infusion chemotherapy and oncological emergency

b) management. During this period, we have admitted 1025 patients in ward.Total of 3200 patients have received chemotherapy and supportive care in day care.

4. Major/Minor OT Services;

We have dedicated brachytherapy OT We have a dedicated brachytherapy operation theatre for

placement of applicators and then patient is shifted to brachytherapy unit for

treatment. Total 98 brachytherapy procedures have been done during this period and include intracavitary and interstitial brachytherapy for gynecological malignancies, interstitial brachytherapy for head and neck and soft tissue sarcomas.

5. Health awareness/ educational activities organized by department

Various cancer awareness activities were conducted in collaboration of other related departments.

6. CME/ workshop/ conference/ training organized by department

a) Training of doctors & nursing officers of Uttarakhand through IAPC Part B course December 2021 & March 2022.

b) 14th ICRO radiobiology teaching program on a virtual platform 07th to 10th September 2021

7. New initiative of department

Following courses have been approved

a) DM Head & Neck and Neuro oncology

b) DM in Urogenital and GYN Oncology

Following course have been started in January 2021

a) PDCC Head & Neck and Neuro oncology

b) PDCC in Urogenital and GYN Oncology

8. Other activities / achievement by Department

a) Interactive academic sessions by visiting professor Dr.Ashwatha Narayana, New York USA 20 – 23rd February, 2022

b) Interactive academic sessions by visiting professor Dr. Kailash Narayan 11th March, 2022

c) Dr Nidhi Sharma Senior Resident won third prize in original research work at MAXCON -2021 held on 17th -18th September 2021

d) Dr Aviral Rastogi junior resident won 2nd prize in ICRO PG teaching course on Brain and Spinal cord tumors held in July 2021

e) Dr Pragya Singh Senior resident won 1st prize in oral paper presentation at UPAROICON held in December 2021

f) Dr Ravi Roshan junior resident won 2nd prize in oral paper presentation at UPAROICON held in December 2021

g) Dr AtokaliChophy junior resident won 3rd prize in ICRO PG teaching course on highly conformal techniques held in February 2022

9. Future plan

Department has planned to start following courses

a) MSc Physics in collaboration with IIT Roorkee

b) More DM courses based on subsite.

c) DM Preventive Oncology

d) DM Palliative Medicine

e) Image Guided Brachytherapy

f) Marker free patient monitoring system for gated treatment of moving tumors like lung & liver cancers

g) Cyberknife Radiosurgery

h) Gamma Pod for breast radiosurgery

i) Intra Operative Radiotherapy

j) Prostate Brachytherapy

k) Tomotherapy

l) Two High Energy Linear Accelerator

II) Faculty activities:

Dr Manoj Kumar Gupta
Professor & Head

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest faculty in SRS/SBRT course conducted by Global Health Academy and delivered a lecture on "Radiobiology of SRS/SBRT" 5 Sept, 2021.

b) 37th ICRO PG course on Medical Physics and participated as resource person on 31st March to 2ndApril, 2021.

c) 39th AROI-ICRO PG Teaching course on Highly conformal radiotherapy and delivered a talk on Radiobiology of SRS/SBRT, 16-18 Feb 2022.

d) 19th Annual conference of Women Cancer Initiative by TMH and participated as resource person. 1-2 October, 2021.

e) Presented a talk on Radiobiology of SRS in workshop conducted by CMC Vellore 15 April, 2021.

f) Resource person in 9th CRABCON at Jammu 16th Oct 2021.

g) As resource person in PRODVANCE Trending Updates in Radiaiton Oncology 24-26 Nov 2021.

h) As Faculty in RADONC conclave National Meet on Prostate cancer 30 July 2021.

i) As Faculty in RADONC Conclave North Zone 22 January 2021.

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Presented a talk on Radiobiology of Non fractionated radiotherapy on international chart round on 20 January 2022.

3. Awards & honours received

BVP Laxmi Mittal Cancer Awareness Award.

Dr Deepa Joseph
Additional Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Course coordinator of 14th AROI ICRO Radiobiology teaching course 07th to 10th September 2021

b) Identified as Member of Expert Medical Committee Central Drugs Standard Control Organization, FDA Bhawan, Kotla Road, New Delhi

c) Resource person & faculty in Cancer Day care unit training for National Health Mission for health care providers of Uttarakhand for two batches in November 2021 & December 2021.

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) As invited faculty in 3rd Asian Wound Care Association Conference & 23rd Annual Conference of Indian Society of Wound Management (Virtual)" scheduled on November 26-28, 2021 and gave a lecture on "Radiation induced cutaneous ulcers and it's management".

b) Participated as delegate in ASCO 2021, ESMO 2021, ESMO Asia 2021, Canadian Hepato cellular conference.

Dr Sweety Gupta
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Completed National Training of Trainers on Elderly and Palliative Care conducted by National Health Systems Resource Center, MOHFW from 30.03.2021-2.04.2021

b) Participated as Resource Person/National Trainer for State Trainers on Elderly and Palliative Care, conducted by National Health Systems Resource CenterApril 12th to 15th April, 2021

c) Participated as Resource Person/National Trainer for State Trainers on Elderly and Palliative Care, conducted by Regional Resource Centre for NE States (RRC-NE).11-14th May 2021

d) Invited faculty and delivered lecture on Role of Radiation in Retinoblastoma conducted by Department of Ophthalmology AIIMS Rishikesh on 2nd July 2021

e) Invited as guest faculty at UPAROICON 2021 Agra and delivered lecture on Is Low dose lung radiotherapy potential treatment for COVID-19 pneumonia? 16-17th December 2021

f) Invited as speaker for Approaches to manage pain in palliative care setting at College Of Nursing, AIIMS Rishikesh, in workshop on " PALLIATIVE CARE on 21.12.2021

g) Presented on Fatigue in Cancer at Cancer Training Centre meet on 17.02.2022

h) Invited faculty and presented abstract on Preservation of axillary lymph nodes compared to complete dissection in T1-2 breast cancer patients presenting 1-2 metastatic sentinel lymph nodes: A multicenter randomized clinical trial. SINODAR-ONE in Management of Breast Cancer in New Millennium: Recent Clinical Updates from SABCS 12-13 February 2022

I) Moderated session on Demarcating Neck nodes in Target volumes in H&N Cancer Radiotherapy (8th class) Under The Agies

Of UP-Chapter Of Association Of Radiation Oncologists of India Webinar on Head and Neck Malignancies on 19.02.2022

j) Invited faculty and participated in debate on Adjuvant RT can be safely omitted in low risk breast cancer in elderly patients in FSIBC Breast Conference 2022: Breast Cancer Management: Recent Advances & The Way Ahead" held virtually on 11th & 12th March 2022

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Completed ASCO Palliative Care e-Course conducted by ASCO TMH on 2-3,9-10 October 2021

3. Awards & honours received

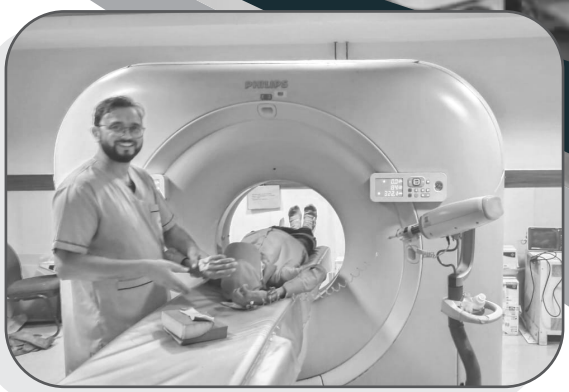
Successfully completed the Knowledge Co-Creation Program on"Advanced Training in the field of Medical Science & Management for AIIMS like Institutes (Online Program)"from January 17, 2022 to March 4, 2022 organized by the Japan International Cooperation Agency in collaboration with Kagawa University and other related organizations under the International Cooperation Program of the Government of Japan.





DEPARTMENT OF RADIODIAGNOSIS







8.40 RADIODIAGNOSIS

The Department of Radiodiagnosis & Imaging, AIIMS Rishikesh provides state of the art imaging facilities, and innovative minimally invasive interventional procedures at affordable prices, making quality healthcare services accessible to all. We earnestly strive to improve the coverage of our services while maintaining the high level of quality reporting that the department is known for.

Our Interventional Radiology (IR) division has created a niche for itself mainly in management of Gastroenterology, Urology and Vascular Interventions thereby reducing morbidity and hospital stay for patients as well as increasing their quality of life.

Our Breast Radiology division forms an integral part of Breast Clinic offering Diagnostic as well as Therapeutic Interventional services at one unique interface for patients. In co-ordination with Departments of General Surgery, Pathology and Radiotherapy, it provides a holistic platform for management of pathologies of the breast.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Sudhir Saxena	Professor and Head
2	Dr. Anjum Syed	Additional Professor
3	Dr. Pankaj Sharma	Associate Professor
4	Dr. Poonam Sherwani	Associate Professor
5	Dr. Udit Chauhan	Associate Professor
6	Dr. Sonal Saran	Assistant professor
7	Dr. Rahul Dev	Assistant Professor
8	Dr. SwarnavaTarafdar	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduates

Theory classes for 7th semester students along with multiple integrated classes for various semesters were organized and conducted as and when asked for.

b) Post-graduate students

Seminars and case presentations are done and moderated by faculty in morning academic sessions, which were conducted on all working days. All Wednesdays were earmarked for our vibrant Journal club. Faculty conducted film reading sessions for post-graduate students on weekly basis. Post-graduate students were also actively involved and their reporting skills nurtured at respective stations. They were also encouraged to actively participate in conferences and workshops held within and outside the institute.

c) Multi-departmental meetings

Embracing the paradigm shift in patient management by recognising the role of Clinico-Radiological discussion, a platform for discussion with different broad specialties and super speciality departments including Neurology, Neurosurgery, Gastroenterology, Gastrosurgery, Obstetrics and Gynaecology, Cardiology and Pulmonary Medicine were organised at regular intervals. Post-graduate Residents, PDCC Fellows and DM candidates participated actively in these events chaired by Departmental consultants.

2. Diagnostic services

Sr No	Equipment Name	Number of Equipment	Number of cases done in 2021-22
1.	DRF X Ray System	1	72281
2.	DR X Ray System	1	28261
3.	CT Scanner 64 slice	1	25579
4.	CT Scanner 128 Slice	1	8474
5.	MRI 1.5 Tesla	1	8072
6.	MRI 3 Tesla	1	3840
7.	OPD, Trauma & emergency Ultrasound & Doppler	2	19563
8.	IPD Ultrasound& Doppler	1	7080
9.	Digital Mammography	1	1537
10.	Digital Subtraction Angiography (Major Cases)	1	246
11.	Digital Subtraction Angiography (Minor Cases+ USG guided)	1	2960

Total No of Cases Done

- Total No of X-rays -100542
- Total No of Ultrasounds - 26643
- Total No of CT Scans - 34053
- Total No of MR - 11912
- Total No. of Mammography - 1537
- Total No of DSA Procedures done - 3206

3. Health awareness/ educational activities organized by department

Educational activities / training organized by the Department

a) Post-doctoral certificate courses in following subspecialties are being conducted:

- GI Radiology
- Vascular Radiology
- Cross section body imaging
- Breast imaging

b) Externship to technicians, who have passed out from various institutions in adjoining areas

4. CME/ workshop/ conference/ training organized by department

a) Conducted ISVIR Outreach Program: Interventional Radiology on 4-5 Dec 2021 at AIIMS Rishikesh

b) CME on Oncological Imaging in association with University of Pennsylvania on 26 Aug 2021

5. New initiative of department

Started new course B.Sc. In Medical Radiology & Imaging Technology (Para Medical Course)

6. Other activities / achievement by Department

a) Guest lecture organized by Department of Radiology in collaboration with Department of Cardiology on Cardiac MRI 26 October 2021

b) International Radiology Day celebrated on 08 November 2021

c) MD Students won IRIA Quiz Uttarakhand state round-28 August 2021

d) MD Students won IRIA Quiz central zone 19 December 2021

e) MD Students became Finalist at IRIA NATIONAL Quiz Competition 26 March 2022

7. Future plan

a) Department is in process of procuring PACS/RIS system, RFA system, 4D Colour Doppler with fusion imaging, CT guided navigation system for biopsy and ablation.

b) Have signed MoU with various prestigious institutes like SGPGI, TMH and NIMHANS for research and scholar exchange programmes.

II) Faculty activities:

Brig Sudhir Saxena
Professor & HOD

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended IRIA 74th Annual Conference at Bengaluru, Karnataka 24-27 March 2022 & Presented a paper entitled "Innovation in PG training and Examination" Based aon an experience at AIIMS Rishikesh.

b) External Examiner for MD Radiodiagnosis at GRMC Gwalior, 27 & 28 Aug 2022

c) External expert for equipment inspection AIIMS Mangalagiri 24 & 25 Feb 2022

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Attended CME on Oncological Imaging in association with University of Pennsylvania on 26 Aug 2021

Dr. Anjum Syed
Additional Professor

1. Participated in NationalCME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest Lecture/Webinar for DNB on Basics of Mammography, Breast Ultrasound and BIRADS lexicon on September 23,2021

b) Invited Faculty at BISICON 2021 on 13 Nov 2021 certificate attached

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Co-Organizing Chairman of CME on Oncological Imaging in association with University of Pennsylvania on 26 Aug 2021

3. Awards & honours received

Uttarakhand State Council for Science & technology felicitation for contribution in the field of Medical Science 8 March 2022

Dr Pankaj Sharma
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Faculty Talk:

a) Lymphatic malformations – Types and how to treat them at ISVIR 2022 held at Hotel Grand Hyatt, Goa on 31 March-3 April 2022.

b) Acute deep vein thrombosis – Interventional Options and Current Concepts at IRIA 2022 held at Hotel Lalit Ashok, Bengaluru on 24-27 March 2022.

c) Juvenile Nasopharyngeal Angiofibroma – Imaging and Interventions 2nd Annual Conference of Indian Society of Head and Neck Radiology (ISHNR) on 12-13 February 2022.

d) Emergency Radiology for Stroke at Current Practices in Emergency Medicine held on 8-9 December 2021 at AIIMS Rishikesh.

e) Interventions in Central Vein Stenosis at Interventional Radiology : Outreach Program held on 4-5 December 2021 at AIIMS Rishikesh.

f) Conventional Imaging of Stomach and Small Bowel at Virtual Annual Conference of Society of Oncologic Imaging India held on 26-27 November 2021.

g) Haemodialysis access shunt evaluation at IREP 2021 held on 26-27 November 2021 at SVS Medical College, Mahbubnagar, Telangana.

h) Image Guided Ablations on 11 November 2021 at Radsense Webinar, An academic Initiative of IRIA UP Chapter.

i) Response assessment in Oncology on 14 October 201 at Dr M L Aggarwal Memorial CME Organized by Dr M L Aggarwal Educational & Rural Development Charitable Trust at IRIA House, New Delhi.

j) TRUS guided biopsy in Midterm CME of IRIA MP State Chapter of IRIA (26 September 2021).

k) Image Guided Bone Biopsy at 23rd Asian Musculoskeletal Society Annual Conference 2021 with 9th Annual hybrid conference of Musculoskeletal Society of India held on 16-19 September 2021 at Hotel Novotel, Vishakhapatnam.

l) Haemodialysis access shunt evalauation at Krest Kochi Webinar on 7 September 2021.

m) TRUS guided biopsy in Sonosummit 2021 (27-29 August 2021).

n) Response assessment in Oncology on 26 August 2021 at CME in Oncology Imaging, Organized by AIIMS Rishikesh in collaboration with Department of Radiology, University of Pennsylvania, USA.

o) Imaging in Laryngeal and Hypopharyngeal Carcinomas on 13 May 2021 at Radsense Webinar, An academic Initiative of IRIA UP Chapter.

p) Characteristics of Thyroid Nodule : TIRADS on 15 April 2021 at Radsense Webinar, An academic Initiative of IRIA UP Chapter.

2. Awards & honours received

a) President Appreciation Award at Annual Conference of Indian Radiological and Imaging Association : IRIA 2022 held at Hotel Lalit Ashok, Bengaluru (20th-21st January 2022).

b) National Leadership Award Delhi IRIA at Annual Conference of Delhi State Chapter of IRIA held at ILBS Hospital, Delhi (18th December 2021).

c) Promising Radiologist of the year Award at elets Radiology and Imaging Summit, Second Edition (23-24 June 2021).

Dr Poonam Sherwani
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Judge for the e poster and oral presentation in third Annual national conference of society of chest and interventions 2021

b) faculty in radiology PG course organised by Calirad on 18th and 19th December 2021

c) Faculty for Indian College of radiology - Point of care Ultrasound in neonatal ICU on 7thmarch 2021

d) Faculty for krestkochi and calirad .Delivered a lecture on radiological anatomy of pancreas and spleen on 5th and 27 th June in radiological Anatomy webinar

e) Moderator for Sonosummit conference 27th 029th August 2021

f) Delivered a lecture on Mediastinal Imaging:Classification of Mediastinal Lesions and approach to anterior Mediastinal lesions on 9th March 2022

g) Delivered a lecture on AV fistula in krest Kochi doppler course.

h) Delivered online lecture on Liver masses in Children on IRIA ICRI Platform on 5thjan 2022

i) Invited faculty in 8thkrestkochi radiology programme held on 6th and 13thmarch 2021

j) Delivered online lecture on Osci and case based discussion on 24th October 2021

k) Speaker at virtual society of oncologic imaging of India (27th-28th Nov 2021)

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended 77th Korean congress of radiology from September 1-4 Korea

b) Presented e-poster in KCR on Focal hepatic lesions in Idiopathic hypereosinophilic syndrome

c) Attended Online ECR conference 2021

d) Presented e poster on Point of Care Ultrasound (POCUS) in the Indian Neonatal ICU: Current Role of Radiologist in Tertiary care center. (C-11497) from March 3-7 2021

3. Awards & honours received

Attended Basic course in Biomedical Research (online) conducted by ICMR and cleared Final Exam with score of 91%.

Dr Udit Chauhan
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Endovascular Live 2021-13th /14th August 2021-panelist

b) Interventional Radiology CME-4th /5th Dec 2021-Organiser and speaker.

c) CME on Oncology Imaging-26th Aug 2021-Organiser.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

CIRSE Summit 21st -28th September 2021

Dr. Sonal Saran
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Presented a webinar for ICRI titled "Muscles and nerves of the lower limb-sequential MRI" on 26th April 2021.

b) Presented a webinar for Musculoskeletal ultrasound society titled "calcaneal osteomyelitis with retro calcaneal abscess" on 12th April 2021.

c) Faculty in ICRI academic session on 14th October, topic: "Approach to bone tumors-case based discussion"

d) Faculty in the online workshop session of the 74th Annual State conference of TNPY IRIA on 17th December 2021, topic: Ankle instability, ligament injuries, Role of stress radiographs and dynamic USG. When MRI is needed?

e) Faculty in the Masterclass session on 27th February 2022, "Spotters in MSK Radiography"

f) Resource faculty in "Ultrasound guided Regional anaesthesia cadaveric workshop", at AIIMS Rishikesh on 19th March 2022.

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Participated as faculty in Asian musculoskeletal society annual meeting at Vizag on 17-19th September 2021 and performed LIVE DEMO of Ultrasound examination of wrist joint.

Dr. Rahul Dev
Assistant Professor

1. Awards & honours received
Fellowship of Royal College of Radiologists (FRCR), UK, November 2021.

Dr. SwarnavaTarafdar
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Interventional Radiology, ISVIR State Branch (Chd Pb Hp) , 4 -5 Dec, 2021

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

CME on Oncology Imaging, 26 Aug 2021, AIIMS Rishikesh in Association with Dept. of Radiology, University of Pennsylvania



DEPARTMENT OF SURGICAL ONCOLOGY



8.41 SURGICAL ONCOLOGY

The Department of Surgical Oncology was established in 2018. It currently includes 1 faculty and 8 Senior Residents. The department runs MCh Surgical Oncology Post Graduate Programme and is also involved in the teaching of other post graduate programmes like MCh Gynaecological Oncology, MCh Head Neck Surgery & Oncology, MCh Trauma Surgery, MCh Oral and Maxillofacial Surgery, MS General Surgery, MS ENT, etc. and undergraduate programmes (MBBS, BSc Nursing)

Vision statement:

The Department of Surgical Oncology is committed:

a. To provide evidence-based state-of-the-art care to cancer patients

b. To train the surgeons in the comprehensive cancer care

c. To conduct quality research in various aspects of cancer

Mission statement:

a. Providing high-quality surgical care to cancer patients at par with international standards

b. Collaboration with Radiation Oncology, Medical Oncology, Radiology, Pathology, Nuclear Medicine, Psychiatry, Yoga, and other relevant specialties to provide multidisciplinary care to the cancer patients

c. Establishing population based cancer registry for the people residing in Haridwar-Rishikesh

d. Undertaking extra-mural and intramural funded research projects in the field of cancer

e. Collaboration with National and International Institutions of excellence to promote training and research in the field of cancer

Department has following faculty members-

Sl.No.	Name of Faculty	Designation
1	Dr K.S. Rajkumar	Associate Professor

I) Departmental activities:

1. Academic

a) Undergraduate

The department in actively involved in undergraduate teaching through

- Undergraduate Teaching classes (MBBS)
- MBBS Clinical Teaching on rotation
- Training of Interns (MBBS and Nursing)

b) Postgraduate

- The department runs MCh Surgical Oncology – 3-year course Super speciality Post Graduate Programme

In addition, the following postgraduate students come on rotation:

- MCh Gynaecological Oncology
- MCh Head Neck Surgery & Oncology
- MS General Surgery
- MD Radiation Oncology

The department in also involved in the following Multidisciplinary teaching sessions in collaboration with other departments:

- Tumour Board Meetings
- Surgical Oncology – Radiology Meeting
- Oncology Clinical Case Discussions
- Anatomy dissection sessions

2. OPD Services

The department runs Surgical Oncology OPD Four days a week (Monday/ Tuesday / Thursday /Friday) at Level 3 C Block and Breast and Endocrine OPD 2 days a week (Tuesday/Saturday) at level 1 B Block. The outpatient department has a dedicated minor procedure room.

3. Speciality Clinics:

a) Lung cancer clinic in collaboration with Department of Radiation Oncology, Medical Oncology, and Pulmonary Medicine

b) Social Outreach Cancer Clinic at Ramakrishna Mission Hospital Haridwar

c) Preventive Oncology Clinic in collaboration with Department of Radiation Oncology, Medical Oncology

The department offers the following diagnostic procedures as an Out-patient/ Day care Procedure:

a) Nasal Endoscopy
b) Pharyngolaryngoscopy
c) UGI Endoscopy – in collaboration with Medical Gastroenterology
d) Colonoscopy - in collaboration with Medical Gastroenterology
e) Bronchoscopy – In collaboration with Pulmonology

OPD Census:

YEAR	2018-19 (April - March)	2019-20 (April- March)	2020-21 (April - March)	2021-22 (April - March)
OPD	922	5870	3025	4770

4. IPD Services

Surgical Oncology Ward consists of 15 beds and is located in Level 5, C Block. The ward includes a post-operative HDU which well equipped with state of art patient care monitors and ventilators and Minor OT/Dressing OT manned by dedicated nursing officers. Surgical Oncology OTs are located in the Level 6 OT complex.

IPD Census:

	2018-19 (April - March)	2019-20 (April - March)	2020-21 (April - March)	2021-22 (April - March)
IPD	289	736	351	436

OT schedule:

Surgical Oncology OT	–	Wednesday
Robotic OT	–	Friday
Local OT	–	Saturday
Breast and Endocrine OT	–	1:3 Rota with General Surgery (Tuesday/Thursday)

OT Census:

Surgeries	2018-19 (April - March)	2019-20 (April - March)	2020-21 (April - March)	2021-22 (April - March)
Major	191	480	224	243
Minor	44	176	112	145
Robotic	0	16	11	39

5. Health awareness/ educational activities organized by department

Social Outreach Cancer Clinic at Ramakrishna Mission Hospital Haridwar

6. CME/ workshop/ conference/training organized by department

a) Joint Journal club in association with Dept. of Surgical Oncology, Madurai medical College
b) Port handling & maintenance workshop

7. New initiative of department

a) Started monthly departmental audit
b) Online Guest Lectures, tumour boards, case discussions and Visiting Professorships by Eminent National and International Faculty
c) Started telemedicine OPD services during COVID Pandemic (via e-Sanjivini& AIIMS Rishikesh)
d) Started QR code based registration for new and follow up patients
e) Participated &Collaborated in multiple international and national clinical trials in cancer

8. Future plan

The department is rapidly expanding and we have proposed the procurement of the following new equipment:

- HIPEC/HITHOC Machine
- Laparoscopy and Thoracoscopy sets
- State of art surgical instruments and sets
- Endoscopy Suite – including Upper GI

endoscopy, colonoscopy and flexible bronchoscopy

The department has also proposed a dedicated Oncology ICU in association with the Department of Anaesthesia

II) Faculty activities :

Dr. K. S. Rajkumar
Associate Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Invited Faculty -40th AROI-ICRO SUN PG Teaching Course on Lung Cancer, AIIMS Rishikesh, 30 April-1 May 2022; Lecture- Surgical management in Lung cancer

b) Invited Faculty – MIDCON IASO, Shillong 25-27 March 2022; Video Lecture: Wide Excision of Soft tissue Sarcoma

c) Panellist: Role of molecular testing and iCPI's in endometrial cancer -7th Molecular Oncology Society Conference MOSCON 2022

d) Chairperson - 11th Annual Conference of Indian Society for study of lung cancer, 2021 NALCCON - 2021

2. International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Advanced Training in the field of Medical Science & Management for AIIMS and relevant Institutes ~Improve Hospital management and cancer response capabilities~ Japan International Cooperation Agency (JICA) - Online



DEPARTMENT OF SURGICAL GASTROENTEROLOGY



8.42 SURGICAL GASTROENTEROLOGY

Vision

To be the leaders in the field of Gastro-intestinal, hepato-pancreato-biliary sciences and liver transplantation

Mission & About Department

Our endeavour is to offer clinical and technical skills of highest standards at affordable rates to all strata of the society alike. The department is already one of the biggest and most experienced in the country in terms of its faculty. Complex abdominal surgeries are being performed with outcomes at par with the current international standards. Minimally invasive (laparoscopic/ robotic) surgery and liver transplantation are two areas of special emphasis for the department. The process of starting liver transplantation is already underway, and it will soon see the light of the day. It will be the first centre to offer liver transplantation in the state of Uttarakhand and among the select few in the country to do so. The department is already performing complex laparoscopic procedures; it is the preferred approach for most surgeries for non-cancerous as well as cancerous diseases. We intend to become a centre of excellence for laparoscopic surgeries and promote safe laparoscopic surgery training among the surgeons in the adjoining states. Capacity building and training of Surgeons in the adjoining areas will be undertaken to ensure safe surgical practices and timely referral of the needy patients. The department will offer comprehensive care to the patients with digestive diseases by offering integrated services from Surgical and Medical Gastroenterology, dietetics & nutrition, stoma care and patient counselling. Super speciality course (M.Ch) in Surgical Gastroenterology was started in January 2020 with the intake of two students in the session now we have total 7 students. Seats will be offered on bi-annual basis so that more and more number of aspirants can be trained in this higher speciality. A number of research projects have been proposed by the department and will commence shortly. High quality research and structured resident training program are the priority of the department.

Department has following members –

Sl.No.	Name of Faculty/SR/JR/Scholar	Designation
1	Dr. Puneet Dhar	Professor and Head
2	Dr. Nirjhar Raj Rakesh	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate
Classes for Undergraduate students included ward rounds, bedside teaching, scenario based discussions etc.

b) Postgraduate
Start of MCh programme in Surgical Gastroenterology since January 2020- Total 7 students admitted till now

2. OPD Services

OPD Services provided since the inception of department in June 2019.OPD services are being offered on Tuesday , Thursday ,Saturday - 2345 Patients

3. IPD Services

Total admitted IPD cases in this period were - 342 Patients

4. Major/Minor OT Services

Total number of Major OT performed in this period was - 152 Patient

5. CME/ workshop/ conference/training organized by department

a) Organised a lecture on update on surgical management of gallbladder cancer by Prof V.K. Kapoor on 29th November 2021

b) Participated as Resource faculty in "Multidisciplinary Cadaveric Training" for Surgical Residents organised in AIIMS Rishikesh on 2nd July 2021

c) Participated as Resource faculty in Workshop on Basic Surgical Skill course organised in AIIMS Rishikesh in 2021 .

6. New initiative of department

a) Start of complex hepatopancreatobiliary surgeries including hepatectomies,

surgeries for portal hypertension etc.

b) Start of Thoracoscopic oesophageal surgery including colonic pull up

c) Start of advanced laparoscopic surgeries for malignant and benign conditions of Upper GI, Colorectal, Small Intestinal and HPB system

d) Speciality services provided to various departments in the institute like Urology, Gynaecology, Trauma surgery and Paediatric surgery.

7. Other activities / achievement by Department

Participations and Awards

a) Dr Anvin (Academic Resident) presented an e-poster on 'IgG4 related Pancreatic biliary disease: A case series ' at IHPBA World conference 2022, New York, USA.

b) Dr Anvin (Academic Resident) presented an e-poster at IASGCON 2022 (National Conference of Indian Association of Surgical Gastroenterology), Bhubaneswar, India on 'Staple line dehiscence in Gastric conduit following esophagectomy- a complication conspicuously missing a mention it deserves '

c) Dr Anvin presented an E-Poster on 'IgG4 related Pancreatic biliary disease: A case series ' at IHPBA Indian chapter annual conference 2022, Chandigarh, India.

d) Dr. Deepti Presented an E-poster on Gall Bladder Mass-always a cancer?? Think Outside The Box" IHPBA-Indian Chapter Feb 2022-Won 2nd Prize

E) Dr Deepti Presented an E-poster on T"Tuberculosis, the Great Masquerader and Diagnostic Laparoscopy, the Game Changer!!"18th Annual Conference of the Indian Chapter of the IHPBA 2022

F) Dr Deepti Presented an E-Poster on Gall Bladder Mass-always a cancer?? Think outside the box" in 15th IHPBA world congress 2022 New York city.

8. Future plans of department

Department of Surgical Gastroenterology although in its infancy having been established in June 2019 now boasts of one of the most well equipped department anywhere in the country with experienced faculty that rival even decades old established departments in the country. Future plans of department include further strengthening our position by offering advanced laparoscopic and hepato-pancreatobiliary procedures. The department has experienced liver transplant surgeons and we aspire to start Liver transplantation services soon and AIIMS, Rishikesh will be the first ever centre in the state to offer this facility. Robotic and Bariatric surgery programme is also under development and will be started soon. The department will also in the future have many collaborative multicentric research projects and innovations. We also are working on developing multiple modules for effective training of residents and young surgeons. Specialized CMEs and Workshops are also planned in the coming year.

II) Faculty activities

Dr. Puneet Dhar
Professor and Head of Department

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Resource person and faculty Weekly national GI Surgery Webinars every Monday Online 8-9 am

b) As member National Board of Examinations – Resource faculty for Curriculum development of specialty Board in discipline of Surgical Gastroenterology

c) National Webinars for NBE students – every Friday 7.30-8.30 PM – Coordination and chairing

d) Ethics Committee member and resource person, Giridhar Eye centre, Cochin

e) Institute Ethics Committee, UG Research, DRC and PhD Evaluation – Special Invitee for all meetings of AIIMS Rishikesh

f) Rotary Club of Cochin – moderator for talk on 26 May 21 (Online

g) AIG 11th Surgical GI Clinics (Virtual) 29-30th May2021

h) MCh Examiner at AIIMS Delhi 28-29 June 2021

i) 7th Apollo Gastro surgery master class: How I Do It (online): Surgery for Chronic Pancreatitis – webinar faculty – speaker

j) MCh examiner at NHL Hospital Ahmedabad 15th July 2021

k) Plenary Speaker in Seminar on NAFLD: ABCD – surgical Perspective (Online) 20th July

l) MCh Examiner in Bangalore medical College 5th Aug 2021

m) Speaker on Chronic Pancreatitis: Mumbai Surgical Society Webinar Aug 6, 2021

n) MCh Examiner in NBE Surg. Gastro exam, Gangaram hospital 21st August 2021

o) Speaker on Gadgets in HPB Surgery-Online IHPBA certificate course. 29th August 2021

p) Speaker (in ASI online- Surgeons Beyond Surgery) Surgeon behind the lens 19th Sept 2021

q) Speaker in IHPBA CME on benign pancreatic disease, SKIMS, Srinagar – Surgical Management of Chronic Pancreatitis 25th September 2021

r) Workshop on MCQs by National Board of Examiners at Taj Vivanta, Dwarka, Delhi on 5th October 2021

s) Invited Expert for Central Drugs Standard Control Organisation (CDSCO) –meeting of SEC (Gastroenterology & Hepatology) held on 21st September 2021

t) Speaker on Judicial use of antibiotics in Colorectal Surgery (Online) 30th Nov 2021

u) Speaker on Perioperative cholangiography at Jaipur surgical Festival (MGM college) 4-5th Dec 2021

v) MCh Examiner at AIIMS Delhi 17-18th December 2021

w) Panellist on 4th TUGS India Symposium on Pancreatic Cystic Neoplasm: A Diagnostic Challenge on 9th Jan 2022 (online)

x) Expert for Faculty Assessment Promotions of Surgical Gastroenterology Department SGPGIMS Lucknow 7 Feb 2022

y) Speaker in National Conference of IHPBA at PGI Chandigarh (Online) on Approach to asymptomatic Pancreatic neuroendocrine tumor. 11-13th February 2022

z) Panellist on Portal Hypertension – Dehradun Gut club meeting 5th March 2022.

aa) As Lecturer CME attended in KEM Hospital Bombay 23 Mar 2022 to 28 Mar 2022.

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Examiner for MCh Surgical Gastroenterology exam 24-25 Feb 2022 in Kathmandu Nepal

3. Awards & honours received

Coordinator National Webinars of NBE (National Board of Examinations) in the speciality of Surgical Gastroenterology

Dr. Nirjhar Raj
Assistant Professor

1. Participated in CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Participated as Resource faculty in "Multidisciplinary Cadaveric Training" for Surgical Residents organised in AIIMS Rishikesh on 2nd July 2021

b) Participated as Resource faculty in Workshop on Basic Surgical Skill course organised in AIIMS Rishikesh in 2021.

DEPARTMENT OF TRANSFUSION MEDICINE & BLOOD BANK









8.43 TRANSFUSION MEDICINE & BLOOD BANK

The Department of Transfusion Medicine aims to provide safe and effective transfusion services to the needy. It also supports the patients from Uttarakhand, surrounding areas of Uttar Pradesh and Haryana. It has State of Art equipment and technologies for blood collection, processing and testing; diagnostic and therapeutic facilities with best quality standards. The Department has a postgraduate course in Transfusion Medicine, and is pursuing many multidisciplinary research projects. It is in the process of updating and expanding its spectrum in terms of academic courses and incorporating the latest technologies.

Department has following faculty members –

S.No.	Name of Faculty	Designation
1	Dr. Gita Negi	Professor
2	Dr. Daljit Kaur	Assistant Professor
3	Dr. Ashish Jain	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate

- MBBS students are taught in Transfusion Medicine.
- Teaching is done through lectures and laboratory demonstrations.
- Formative & Summative assessment is done as per institutional academic protocols.
- Training and teaching BSc MLT students posted during their internship and subsequently assessment is taken at the end of posting.

b) Postgraduate

- 05 batches January 2019, July 2019, July 2020, January 2021 and January 2022 were taught and one batch (January Batch-2019) underwent final Pre-University and Final Post Graduation Examination in October 2021 and December 2021 respectively.
- First (1st batch) batch PDCC in Apheresis and Blood Component Therapy has been started. One candidate is enrolled.

Teaching and training is done through:

- Seminars, Journal Club, Webinars, Didactics, Case Discussions, Statistics and Research, Interdisciplinary postings for clinical correlation or applied aspects of Transfusion Medicine.
- Monthly Internal Assessments consisting of MCQ & SAQ (clinical vignettes), OSCE, Spotting, Long Case, Short Case, Seminar, Logbook, Viva voce, Feedback and 360 Feedback (Practical).

2. Department Services

a) Blood donations

Whole Blood Donation :16391

Voluntary Blood Donation Camps :39

Transfusion Transmitted Infection testing of donors by CLIA / ELISA – 16678

Blood Issue

38516 [PRBC-14946; FFP-10402; RDP-11174; Cryoprecipitate- 1994; Cryopoor Plasma- 2490]

b) Apheresis

Plateletpheresis (SDAP) – 326

Convalescent Plasma units issued – 11

c) Therapeutic procedures

Therapeutic Plasma Exchange – 94 ; Therapeutic Phlebotomy – 67

3. Diagnostic Services

Antiglobulin test : 2269

Blood grouping(OPD/Medical) :4896

Blood grouping during compatibility testing :66020

Blood grouping (Donors) :16678

Cross Matched red cell units :24942

Immunohematological work up consisting of Antibody screening/ Identification/ Elution testing : Donors - 20 ; Patients - 30

4. Health awareness/ educational activities organized by department

a) World Blood Donor day was celebrated. On this occasion an online CME (Whole Blood Donor to Apheresis Donor; Need of

Hour) was held. The Department spread Awareness about the whole blood as well as apheresis donation.

b) National Voluntary Blood Donation day was celebrated. On this occasion Poster & Slogan Writing Competition & Nukkad Natak was organized by the Department, actively involving undergraduate students to help spread awareness among the youth.

c) Many postgraduate students and faculty presented posters and oral papers in the Annual National Conferences- TRANSMEDCON and TRANSCON-2022 held virtually in December 2021 and March 2022 respectively.

5. CME/ workshop/ conference/training organized by department

a) Online CME on Whole Blood Donor to Apheresis Donor; Need of Hour.

b) CME- "Centralized Advance TTI Testing"

c) CME- "Basics of Transplant Immunology"

d) CME- "Advances in Immunohematology"

6. New initiative of department

Blood Irradiation facility is being established.

7. Other activities / achievement by Department

Staff Training was conducted on

- Fire & Safety training class
- Biomedical Waste Management

8. Future plan

Blood Irradiation facility for indications like Intrauterine transfusion, Exchange transfusions, for stem cell transplant recipients for immunocompromised patients etc.

a) To start the facility of thromboelastography for monitoring the functional hemostatic status of the patients.

b) To start the HLA typing and crossmatching facility.

c) To start Cryopreservation of Stem cells facility.

d) To start a Blood collection facility in a fully equipped mobile van.

e) To adopt Pneumatic tube system for receiving and dispensing blood units.

II) Faculty activities

Dr. Gita Negi
Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) CME- Participated as Guest Speaker on 'Blood Donation in the Era of Covid 19' on 14th June 2021 at Santosh Medical College, Ghaziabad.

b) Resource Person- Faculty Development Workshop on 'Medical Education Technologies' on 30th August to 04th September 2021 at AIIMS, Rishikesh.

c) Resource person- Faculty Development Workshop on 'Medical Educational Technologies' on 15th to 18th September 2021 at AIIMS, Raebareli.

d) Workshop- 'Medical Education Technologies' on 9th to 11th October 2021at AIIMS, Deoghar.

e) Judge- E Paper/Poster Session at '12th National Conference on Health Professions Education' on 26th to 30th October 2021 at Sri Guru Ram Das University of Health Sciences, Sri Amritsar.

f) Chairperson- '16th Annual AATM Congress And 3rd Joint AABB & AATM Congress 2021' on 3rd& 4th December 2021- Asian Association of Transfusion Medicine.

g) Chairperson- '9th TRANSMEDCON 2021' on 17th& 18th December 2021 at National Conference TRANSMEDCON.

2. Awards & honours received

Teacher's Day Award 2021 (for Distinguished Contribution for COVID 19 Management)- Director & CEO, AIIMS, Rishikesh

Dr. Daljit Kaur
Assistant Professor

1. National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Guest Lecture at RaktPravah, Annual National CME at IMA Dehradun, Uttarakhand in March 2022.

b) Resource Person for CME on Whole Blood Donor to Apheresis Donor; Need of Hour at AIIMS Rishikesh in June 2021.

c) Resource Person for CME on "Centralized Advance TTI Testing" in August 2021.

d) Presented paper at National Conference on Health Professions Education, October 2021.

e) Presented poster at National Conference TRANSMEDCON in December 2021.

Dr. Ashish Jain
Assistant Professor

1. National CME / conferences / work-shops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Attended and presented poster in Transmedcon 2022 conference.

b) Attended and presented poster in Transcon 2022 conference.

c) Resource person in NACO BTS training program of medical officers at Government Doon Medical College, Dehradun.

d) Guest speaker and presented online lecture for PG students in Government Medical College Haldwani.







DEPARTMENT OF TRAUMA SURGERY & CRITICAL CARE







8.44 TRAUMA SURGERY & CRITICAL CARE

Our Mission

To render timely care of international standard to trauma victims

Our Vision

- To create an excellent academic and educational milieu for didactic teaching, interactive training and path breaking research.
- To provide a platform for social awareness and positive integration of polytrauma victims back in society.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Md. Quamar Azam	Professor & Head
2	Dr. Ajay Kumar	Associate Professor
3	Dr. Bhaskar Sarkar	Associate Professor
4	Dr. Madhur Uniyal	Assistant Professor

I) Departmental activities:

1. Academic

a) Postgraduate

Day	Academic activity	Moderator
Monday (09:30- 10:30)	Weekly Census and Important Case Discussion by M.Ch. Trauma Sx and Critical Care as per schedule, based on curriculum	Faculty Trauma Surgery & Critical Care
Wednesday (16:00 -17:00)	Topic presentation by SR Ortho Trauma	Faculty Ortho Trauma
Wednesday (09:30- 10:30)	Topic presentation by M.Ch. Trauma Sx and Critical Care as per schedule, based on curriculum	Faculty Trauma Surgery & Critical Care
Thursday (16:00 -17:00)	Journal club by SR Ortho Trauma - Recent articles (previous 3 years) from journal with I.F. more than 2	Faculty Ortho Trauma
Friday (08:3 to 09:30)	• 1st Friday :Thesis update by M.Ch. Trauma Sx and Critical Care students + Seminar • 2ndFriday :Thesis update by M.Ch. Trauma Sx and Critical Care students + Seminar • 3rd Friday :Teaching Training with Nursing staff & Protocol discussion • 4thFriday : Mortality & Morbidity & Protocol update	Dr. Md. Quamar Azam
Saturday (08:30- 09:30)	• Pre-op & Post-op follow up of Ortho Trauma • Publication update	Faculty Ortho Trauma
Saturday (01:00- 02:00 pm)	Journal club by M.Ch. Trauma Sx and Critical Care - Recent articles (previous 3 years) from journal with I.F. more than 2 under the Trination Academic Collaboration ACTION project every fortnight	Faculty Trauma Surgery
Last Working Day	• M.Ch. Trauma Sx and Critical Care monthly assessment. • PG Module Assessment/ Interactions	Faculty Trauma Surgery

b) Undergraduate

- Didactic lectures on topics related to Trauma Surgery and Orthopaedic Surgery
- Daily bed-side teaching of students during their clinical postings in the department
- Demonstration of clinical methods during OPD
- Online classes on various topics related to trauma and orthopaedics

2. OPD Services

a) Trauma Surgery and Critical Care OPD – Daily OPD

b) Trauma Orthopaedics OPD Surgery on Tuesdays and Thursdays

3. Special Clinics

Amputation Clinic:
(Monday 11am-12 pm)

General Thoracic Surgery OPD:
(Tuesday 12 to 2:00 pm)

Spine Clinic : (Friday 2pm-4pm)

Pelvi-acetabular Trauma Clinic :
(Tuesday 2pm-4pm)

Shoulder Speciality Clinic :
(Tuesday 2pm-5pm)

4. IPD Services

Trauma Ward: D3: 30 beds, D1 = 28 beds
ICU (Level 3 – D1) :12+2 beds
Neurosurgery ICU: 10 beds

5. Health awareness/ Educational activities organized by the department

a) Trauma Blood Donation Camp: Organized on Occasion of World Trauma Day 2021 for Awareness of Blood Donation

b) Trauma Rath October 11th to October 17th, 2021- Trauma workshops were organised in all the three medical colleges of the State of Uttarakhand ie. Doon Medical college, Srinagar medical College and Haldwani Medical College, where Faculty and Students were taught about Initial assessment and management of patient in trauma. Trauma Network of Uttarakhand was developed and Inter-hospital transfer protocols were also agreed upon.

c) Mega Mass Casualty drill on 17th October with participation of Local administration, Police, SDRF and AIIMS Rishikesh

d) Symposium on World Trauma Day with participation of AIIMS Rishikesh, AIIMS Delhi, Uttarakhand Director General Medical Education office and Nursing Professional Development Association, AIIMS Rishikesh

e) Trauma Registry Training and Panel discussion with faculty from AIIMS Delhi, participated by clinicians, administrators and bureaucrats alike, as part of Trauma Preparedness Workshop

f) Mock-drilling of mass-casualty situations with Nursing officers and Residents

g) Mock-drilling of ATLS protocols for Nursing officers and Residents

6. CME/ workshop/ conference/training organized by department

a) World Trauma Week, 2021- 11 to 17.10.2021 - Organizing Secretary:Dr. Madhur Uniyal, Organizing Chairman: Prof. Md. Quamar Azam

b) World Trauma Day 2021 - 17.10.2021 - Organizing Secretary:Dr. Madhur Uniyal, Organizing Chairman: Prof. Md. Quamar Azam

c) 8ATLS Courses (7 Provider + 1 Instructor Course), 2021 - Prof. Md. Quamar Azam (Patron), Dr. Ajay Kumar (Site Incharge), Dr Madhur Uniyal (Course Director)

d) 9ATCN Courses (8 Provider + 1 Instructor Course), Prof. Md. Quamar Azam (Patron),Dr. Ajay Kumar (Site Incharge), Dr Madhur Uniyal (Course Director)

7. New Initiatives by the Department

a) MCh in Sports Injury program under department of Trauma surgery

b) PDCC Course in Spine Trauma

c) PDCC Course in Acute Care Surgery

d) Initiated proposal of developing "Centre of Excellence for Trauma and Acute Care". Proposal accepted in principal by MOHFW, Govt of India.

8. Other activities / achievement by Department

a) Developed OPD area for regular OPDs of Trauma Surgery and Trauma Ortho and also for the Speciality Clinics.

b) Started HDU for Trauma Victims in Trauma Emergency Department

c) Developed Mini-OT in ED for procedures like Closed reduction of fractures,

Dressing of Open wounds, suturing, K-wiring for small bone fractures etc. under moderate sedation

d) Started our own Website http://www.aiimsrishikeshtrauma.org/

e) Started ACTION a (Trination Academic Project- India- United Kingdom- Australia) project for academic collaboration with international faculty

f) Started two 24 X 7 X 365 days Trauma OT for Trauma Victims

g) Trauma Toy bank was new initiative started by our department which gain lot of appreciation.

h) Started "Coffee with Consultant" theme based learning program which gave better interaction with other departments.

i) Started Simulation training of nurses in USG

j) Started using the Trauma Surgery Ward in ED as High-Dependency Unit with a number of critically ill patients on ventilator being managed by Trauma Surgery and Critical Care Unit

k) Regularising the ATLS and ATCN courses and conduct it every month

l) Amputation clinic started on every Monday

m) Thoracic Clinic started every Tuesday

9. Future plan

a) Developing a Centre for Excellence in Trauma and Acute Care and provide healthcare from site of injury till positive social rehabilitation of the trauma victim.

b) Develop an inclusive Trauma System in State of Uttarakhand with AIIMS Rishikesh as its hub.

c) Develop an international program and training Centre for Medical Air Evacuation facility

d) Starting our own journal and Trauma Bulletin

e) Develop a Sports Injury Center and Spinal Injury Center

f) Establish our Trauma Center as AO Trauma and AO Spine center

g) To prepare cadaveric/Simulation Training Lab of the department

h) Development of a state of art Hybrid OT in Trauma Centre

i) Outreach programs to spread awareness among general population for prevention of trauma

j) Satellite centres in different parts of Uttarakhand to decentralize quality healthcare to different parts of the state

k) Innovations in Trauma Care with help of other institutes like IIT Roorkie

l) Developing a Trauma registry of international standard.

II) Faculty activities:

Prof. Md. Quamar Azam
Professor and Head

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Organized "Hip Fracture Symposium" and Saw-bone Workshop on 25.09.2021

Dr. Bhaskar Sarkar
Assistant Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Organized "Hip Fracture Symposium" and Saw-bone Workshop on 25.09.2021

b) Invited as faculty in Uttaranchal Orthopaedic Association Annual Conference held in Haldwani

2. Participated in International CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

As panellist in annual conference of Indian Society of Trauma and Acute Care

3. Awards & honours received

a) Recipient of Tata Trust Professional Enhancement Grant for visiting Queens Medical Center Nottingham UK as Clinical Observer in Spine Surgery

b) Recipient of Edinburgh Surgery Global Scholarship for pursuing ChM in Trauma and Orthopaedics from University of Edinburgh

Dr Ajay Kumar
Assistant Professor.

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Started ACTION (Academic Co-operation for Trauma-care in India-through Online Network) project under the guidance of Director sir and Prof Azam Sir "A Tri-National E- Learning Platform" in Collaboration with NHS, United Kingdom for academic enhancement in Trauma Care.

b) ATLS instructor and organised successful ATLS programme in Feb 2021

c) Course Coordinator & Faculty ATLS Provider Course 22,23,24th July 2021. Course Site: AIIMS Rishikesh

d) Course Coordinator & Faculty ATLS Provider Course 26,27,28th August 2021. Course Site: AIIMS Rishikesh

e) Course Coordinator & Faculty ATLS Provider Course 11,12,13th December 2021. Course Site: AIIMS Rishikesh

2. Awards & honours received
Awarded as ATLS instructor

Dr Madhur Uniyal
Assistant Professor

1. Participated in National CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Course Director & Faculty ATLS Provider Course 22,23,24th July 2021. Course Site: AIIMS Rishikesh

b) Course Director & Faculty ATLS Provider Course 26,27,28th August 2021. Course Site: AIIMS Rishikesh

c) Course Director & Faculty ATLS Provider Course 11,12,13th December 2021. Course Site: AIIMS Rishikesh

d) Guest Speaker NBEMS Surgical Gastroenterology webinar: Abdominal Trauma: Approach and Nuances. Friday, October 1, 2021.Event number: 2511 754 1979

e) Guest Speaker "Supra Pubic Cystostomy. How do I do it?" Video presentation at TRAUMASICON 2021

f) Invited Speaker for Training Program for Doctors and Interns in Govt Doon Medical College, Uttarakhand on 26.02.2022. Session Topic: Trauma Resuscitation and Management

g) Invited Speaker for Training Program for Doctors and Interns Interns in Govt Doon Medical College, Uttarakhand on. 15.03.2022. Session Topic: Initial Assessment in Trauma

h) Pre Hospital Emergency Life Support as an Expert in Pilot Testing workshop at JPNATC, AIIMS-Delhi in 1-3rd December 2021

i) Invited Speaker for Foundation Course for MBBS Students of AIIMS Rishikesh. 2nd March 2022 – 9th March 2022 as Faculty

j) Trauma Training Workshops at Govt Doon Medical College, Sushila Tiwari Medical College and Veer Chandra Singh Garhwali Srinagar Medical College from 11th to 17 th October 2021 as Organizing Secretary and Faculty.

k) Organising Secretary and Panelist for Training on Trauma Registry and Panel Discussion on Trauma Care on 17th October 2021

l) Organising Secretary for Mega Trauma Drill with interdisciplinary collaboration between AIIMS Rishikesh, Police and State Disaster Relief Force (SDRF) in October 2021

m) Successfully completed Prehospital Trauma Life Support (PHTLS) – 9th Edition Provider Course with Instructor Status (Validity: October 2021 to October 2025)

n) TRAUMASICON 2021 organized by Indian Association of Traumatology and Critical Care (IATCC) as Faculty for the Conference on 3,4,5th September 2021

2. Awards & honours received

a) 1stJuly, 2021- Certificate of Appreciation in recognition of exemplary services during COVID-19 Pandemic by AIIMS Rishikesh

b) 1stJuly, 2021- Doctor's Day Award by AIIMS Rishikesh

c) 1stJuly, 2021 - Divine Doctor Award by The International Associations of Lions Club

d) 17thOct, 2020 - Certificate of Appreciation by Dept. of Transfusion Medicine and Blood Bank by AIIMS Rishikesh

e) 1stSept, 2021 - Best Paper Award by MEDUCON 2021

f) 13th March, 2022 - Felicitation by " VarishthaNagarik Kalyan Sangathan Rishikesh (Reg)" by VarishthaNagarik Kalyan Sangathan Rishikesh(Reg)"

DEPARTMENT OF UROLOGY



8.45 UROLOGY

Vision

Our core values are excellence, compassion, respect, and delivery, with learning and constant improvement in standards. Collaboration and partnership are also central to our approach in delivering our fundamental activities of patient care, teaching and research. We will take pride in the quality of care we provide, putting patients at the heart of what we do and recognizing different needs, encouraging a spirit of support, respect and teamwork, ensuring that we act with integrity, going the extra mile and following through on our commitments, establishing systems and processes that are sustainable. We aim to deliver, learn and continuously improve.

Mission:

a) To inspire hope and contribute to the health and well-being by providing the best care to every patient through integrated clinical practice, education and research.

b) To excel in specialized urological care supported by comprehensive research and education.

c) To develop, apply, evaluate and share new technology.

d) To attract the best qualified medical, scientific and support staff.

Department has following faculty members –

Sl.No.	Name of Faculty	Designation
1	Dr. Arup Kumar Mandal	Professor
2	Dr. Ankur Mittal	Associate Professor
3	Dr. Vikas Kumar Panwar	Assistant Professor
4	Dr. Shiv Charan Navriya	Assistant Professor

I) Departmental activities:

1. Academic

a) Undergraduate

- Academic lectures for MBBS students Batch 2017, 2019 & 2020.
- Academic and Clinical Posting of Batch 2017, 2019 in department of Urology.

b) Post graduate
MS [General Surgery]

- Clinical Rotation for two months
- Supervised OPD and Inpatient responsibilities
- Topic Presentations for Seminars
- Bed side clinics & teaching rounds
- Emergency on-call responsibilities under supervision
- Supervised surgical Training in OT

c) M.Ch [Urology]

- Supervised OPD and Inpatient responsibilities
- Topic Presentations for Seminars
- Bed Side clinics & teaching rounds
- Emergency on-call responsibilities under supervision
- Supervised Surgical Training in OT
- Facilitating in various research activities (Publications and awards)

2. OPD Services

Consultants	Day of Week
Dr. Arup Kumar Mandal	Tuesday, Wednesday Friday
Dr. Ankur Mittal	Tuesday Thursday
Dr. Vikas Kumar Panwar	Wednesday Saturday
Dr. Shiv Charan Navriya	Monday Friday

3. IPD Services

No of beds	31
Average bed occupancy	100%
Patients Admission	Approx. 80-90 patients admitted in IPD per month. (Total = 996)

4. Diagnostic services:

Uroflowmetry	977
Urodynamics	326
ESWL	195
Image guided Interventions(Retrograde Urethrogram, Micturoating Cystogram, Prostatic biopsy, Nephrostogram)	2054
Total	**3552**

5. Major/Minor OT Services

Major Operations (Routine + Emergency)	719+86 = 805
Minor Operations	257

6. Special Clinics

Day of Week/time	Specialty Clinic	Consultant in charge	Consult, if you have following issues…
Tuesday 2-4 pm	Female Pelvic Medicine and Neurourology Clinic	Dr. Ankur Mittal	Urinary incontinence, pelvic organ prolapse, lower urinary tract symptoms, Urogyenocological fistulaes
Wednesday 2-4 pm	Men's health Clinic	Prof. Arup Kumar Mandal Dr. Vikas Kumar Panwar	Infertility, erectile dysfunction, premature ejaculation, prostatitis
Monday 2-4 PM	Renal Transplantation &vascular access	Dr. Arup Kumar Mandal Dr. Shiv CharanNavriya	Renal failure dialysis access and renal transplant
Tuesday 2-4 PM	Renal Transplantation &vascular access	Dr. Ankur Mittal Dr. Vikas Kumar Panwar	Renal failure dialysis access and renal transplant

7. Health awareness/ educational activities organized by department

Awareness talk by Dr Ankur Mittal on carcinoma prostate in Rotary annual conference on 20th March 2022

8. New initiative of department

a) Augmentation of Robotic Surgical facility for Urological Surgery.

b) Reinforcement of Speciality Clinics (Female pelvic medicine, Neuro-urology)

c) Stream lining of renal transplantation and vascular access clinic.

9. Other activities / achievement by Department

Establishment of MOU (Memorandum of understanding) between AIIMS, Rishikesh and MOHAN (Multi Organ Harvesting Aid Network) Foundation - A Chennai based NGO with branch office at Gurugram, Haryana for Promotion of collaborative Deceased Organ Donation program

10. Future plan

a) Initiation of renal transplantation services at AIIMS Rishikesh.

b) Promotion of Deceased Organ Retrieval programme.

c) Establishment of SOTTO (State Organ and Tissue Transplant Organization) for the State of Uttarakhand at AIIMS, Rishikesh.

d) Streamlining of robust services at advanced Urology Centre (DRF entre, ESWL facility and UDS facility)

e) To Start Fellowship training programme on Robotic Urological surgery and Uro-oncology.

f) Initiation of six year integrated M.Ch Urology course after MBBS.

g) Initiation of B.Sc Nursing in Urological domain in AIIMS Rishikesh.

II) Faculty activities :

Dr. Arup Kumar Mandal
Professor

1. National CME/ conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) 31st North Zone Urological Society of India Conference (NZUSICON) 2021, held at New Delhi, December 17 – 19, 2021.

- Chairperson for invited lectures, 18th December 2021, 11.40 AM – 12.25 PM (Sovereign I)
- Expert for session on Hypospadias & Epispadias, 18th December, 2021,

  2.00 – 3.00 PM) Sovereign II)
- Panellist for Residents' Session, 19Th December, 2021, 9.00 AM – 11.00 AM

  (Sovereign II)

b) 55Th Annual Conference of Urological Society of India (USICON 2022), held at Ahmedabad, January 27 – 29, 2022

- Chairperson for Invited Lectures on Newer Technology in Management of Ureteral stones , 28th January 2022.

2. International CME/ conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) BAUS (The British Association of Urological Surgeons) Virtual annual Meeting 21 – 23 June, 2021.

b) Virtual Mid-Term meeting of NUTS of SAARC (Nephrology, Urology & Transplantation Society of SAARC Countries) September 24-25, 2021. Delivered invited talk on "Nocturnal Polyuria – Diagnosis and Management" on 25th September.

c) Attended virtual seminar on "The efficient bladder cancer diagnosis and treatment of bladder cancer with NBI" on November 6, 2021. Organised by Asian School of Urology – South East Asia, Urological Association of Asia.

3. Awards & honours received

Nominated for Dr Sarinder Man Singh Endowment Award and DUSCON Gold Medal of North Zone Chapter of Urological Society of India (NZUSI) for the year 2022. This is in recognition of outstanding organizational contribution to Urological Society of India (USI) especially to North Zone Chapter – to be awarded during annual conference of North Zone Chapter of USI 2022.

Dr. Ankur Mittal
Associate Professor & Head

1. National CME/ conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Invited as a moderator in USI program webinar on LUTS in Geriatric women on May 2022

b) As Faculty for the virtual conference of 2nd Knowledge series for Genitourinary cancers held on 18th,19th,25th and 26th JUNE 2021.

c) USI webinar on endourology August 2021 as a panelist

d) Master class on Bladder cancer by Punjab urological association as a speaker(video on LND) 28th November 2021

e) NZUSICON Uroncology session as speaker on 17th December 2021

f) NZUSICON Best paper session as speaker on 18th December 2021

g) NZUSICON Resident corner session as an panelist on 19th December 2021

h) Usicon 2022 as a panelist in Young urology forum 27th Jan 2022

i) Usicon 2022 as a panelist in endourology subspeciality session on 28th Jan 2022

2. International CME/ conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) UROCON 2021: participated as speaker at 6th Annual Hybrid Conference of Nepal Association of Urological Surgeons (NAUS) and 2nd South Asian Association of Urological Surgeons (SAUS) 16th April 2021.

b) Participated as speaker in Virtual UAA-EAU Young Urologist's Fellowship Program held on 21st August 2021 in conjunction with the UAA Virtual Congress 2021

3. Awards & honours received

a) Elected as a COUNCIL MEMBER for North Zone urological society of India 2021

b) Awarded as ATAL SAMAN 2021 in Health sector on 24th december at Vigyan Bhawan , New Delhi

Dr. Shiv Charan Navriya
Assistant Professor

1. National CME/ conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Presentation in USICON 2022 (Virtual Poster) titled Bilateral great saphenous vein sparing robot assisted video endoscopic inguinal lymphadenectomy (SVS-RVEIL) for carcinoma Penis

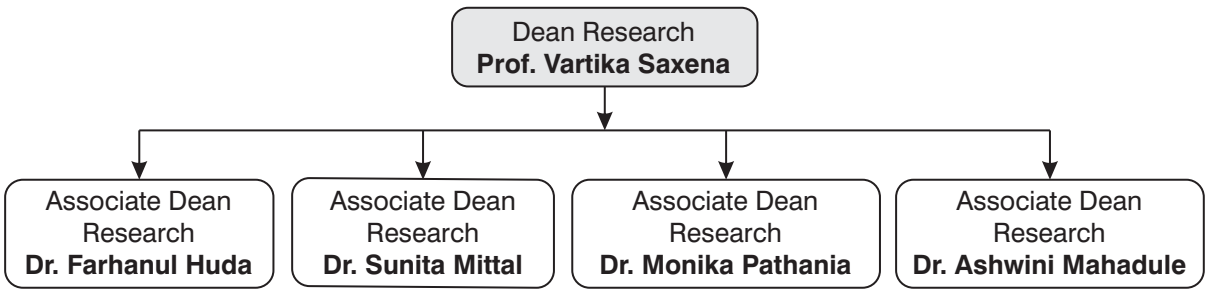
b) Panellist in a scientific talk organized Ferring pharmaceuticals in Dehradun on management of Metastatic prostate cancer, topic – sequencing of drugs in metastatic prostate cancer

2. International CME/ conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Scientific talk (Virtual) on "Medical Management of benign prostatic enlargement" in world urology congress (WUC 2021) on Oct 4-6, 2021

9. RESEARCH SECTION

All India Institute of Medical Sciences, Rishikesh was established by an act of Parliament with mission of achieving excellence in patient care, teaching and training and research. Medical research is becoming increasingly important given ever-growing burden of diseases and urgent need to find new ways to improve health of people. Research is a major thrust area at institute with Faculty, scientists, and postgraduates students all being engaged in clinical and basic research. Research Section at AIIMS was established to promote a vibrant research culture in institute, train faculty, students and scientists in research methodology, and facilitate world-class research at institute. Research cell is nodal facilitator point for supporting research at AIIMS. One of administrative functions is to coordinate activities of intramural/extramural research projects funded by various national/international agencies. It is accountable for efficient administration, management of research funds, appointment of research staff, payment and purchase of equipment etc.





Members of Research Review Board(Intramural/Extramural)

Member of Research Review Board (Intramural/ Extramural)

S.No	Member Name	Designation	Role
1	Dr. Sriparna Basu	Professor	Chairperson
2	Dr. Debarati Chattopadhyay	Additional Professor	Co-Chairperson
3	Dr. Monika Pathania	Associate Professor	Convenor
4	Dr. Shailendra Handu	Professor	Member
5	Dr. Girish Sindhwani	Professor	Member
6	Dr. Puneet Dhar	Professor	Member
7	Dr. Ranjeeta Kumari	Additional Professor	Member
8	Dr. Mayank Mishra	Additional Professor	Member
9	Dr. Sarma Saha	Associate Professor	Member
10	Dr. Rajlaxmi Mundhra	Associate Professor	Member
11	Dr. Yogesh Arvind Bahurupi	Associate Professor	Member
12	Dr. Navin Kumar	Associate Professor	Member
13	Dr. Shailesh Vasantrao Parate	Associate Professor	Member

14	Mrs. K Rajarajeshwari	Asst.Prof./ Lecturer	Member
15	Dr Amit Sehrawat	Assistant Professor	Member
16	Dr Mritunjai Kumar	Assistant Professor	Member
17	Dr. Mayank Priyadarshi	Assistant Professor	Member

B) Members of Research Review Board- Thesis (Postgraduate Students)

Sr. No.	Name	Designation	Role
1.	Dr. Manoj Gupta	Dean Academics	CHAIRPERSON
2.	Dr. Nilotpal Chowdhary	Professor	CO-CHAIRPERSON
3.	Dr. Farhanul Huda	Additional Professor	CONVENOR
4.	Dr Anisa Atif Mirza	Professor	Member
5.	Dr. Yogesh Singh	Additional Professor	Member
6.	Dr. Arun Goel	Additional Professor	Member
7.	Dr Ashi Chug	Additional Professor	Member
8.	Dr. Yogendra Pratap Mathauria	Additional Professor	Member
9.	Dr. Latika Chawla	Associate Professor	Member
10.	Dr. Deepa M Joseph	Associate Professor	Member
11.	Dr. Vishal Dhiman	Associate Professor	Member
12.	Dr. Neeti Gupta	Associate Professor	Member
13.	Mrs Xavier Belsiyal	Associate Professor	Member
14.	Dr. Amrita Gaurav	Associate Professor	Member
15.	Dr. Kiran Meena	Associate Professor	Member
16.	Dr. Jitender Chaturvedi	Associate Professor	Member
17.	Dr. Poonam Singh	Associate Professor	Member
18.	Dr. Amit Kumar Tyagi	Assistant Professor	Member
19.	Dr. Rupinder Deol	Assistant Professor	Member
20.	Dr. Ashok Singh	Assistant Professor	Member
21.	Mrs Prasuna Jelly	Assistant Professor	Member
22.	Dr Meenakshi Khapre	Assistant Professor	Member
23.	Dr. Ankita Kabi	Assistant Professor	Member
24.	Dr. Enono Yhoshu	Assistant Professor	Member
25.	Dr. Vikas Kumar Panwar	Assistant Professor	Member
26.	Dr. Mridul Dhar	Assistant Professor	Member
27.	Dr. Nirjhar Raj Rakesh	Assistant Professor	Member
28.	Dr. Ramanuj Samanta	Assistant Professor	Member
29.	Dr. Ashish Jain	Assistant Professor	Member
30.	Dr. Vijay Krishnan	Assistant Professor	Member
31.	Dr. Priyavadhana B	Assistant Professor	Member

C) Members of Under graduate Research Review Board- (UGRRB)

S.No	MemberName	Designation	Role
1	Dr Gita Negi	Professor	CHAIRPERSON
2	Dr. Vandana Dhingra	Additional Professor	CO-CHAIRPERSON
3	Dr Ashwini Mahadule	Assistant Professor	CONVENOR
4	Dr Mohit Bhatia	Associate Professor	Member
5	Dr Smita Sinha	Associate Professor	Member
6	Dr Bela Goyal	Associate Professor	Member
7	Dr Shazia Hasan	Associate Professor	Member
8	Dr Rakesh Sharma	Assistant Professor	Assistant Professor
9	Dr Lokesh Kumar Saini	Assistant Professor	Assistant Professor
10	Dr Bhawna Gupta	Assistant Professor	Assistant Professor

D) Members of Research Monitoring Committee

S.No	Member Name	Designation	Role
1	Dr Sunita Mittal	Additional Professor	CHAIRPERSON
2	Dr Anissa Atif Mirza	Professor	Member
3	Dr Ashi Chug	Additional Professor	Member
4	Dr Ashok Singh	Assistant Professor	Member
5	Dr Rajrajeshwari K	Assistant Professor	Member

E) Member of Institutional Ethics Committee (IEC)

Sl.No.	Name of Member	Role/Designation in Ethics Committee
1.	Dr. Sunil Kumar Saini	Chairperson
2.	Dr. Vartika Saxena	Medical Scientist
3.	Dr. Shalini Rao	Medical Scientist
4.	Dr. Manisha Bisht	Medical Scientist
5.	Dr. Ashish Ramesh Bhute	Member Secretary
6.	Dr. Kalyani Sridharan	Clinician
7.	Dr. Yogesg Kumar Chawla	Clinician
8.	Dr. Swami Dayadhipananda	Scientist Member
9.	Mr. Satendra Kumar Kakraan	Scientist Member
10.	Dr. Sujata Kadam	Member
11.	Dr. MinakshiKhapre	Clinician
12.	Ms. Seema Shukla	Lay Person
13.	Ms. Sadhna Dimri	Social Scientist
14.	Mr. Pradeep Chandra Pandey	Legal Expert

List of Projects details

Sl.No.	Category	No. of projects (Year 2021-22)
1.	Intramural Project	120
2.	Extramural Project	15
3.	Fellowship/awards received to students	02

A) List of Intramural Project 2021-22

1	Non Funded	Dr. Rajnish K Arora	Psychosocial Impact of the COVID-19 Pandemic and Lockdown on Non-COVID Neurosurgical Patients: A Descriptive Cross-sectional Survey
2	Non Funded	Dr. Poonam Arora	Risk Factors for Mortality in COVID-19 Patients who Received Mechanical Ventilation in a Tertiary Care Center: A Retrospective Study
3	Non Funded	Dr. Bhavna Jain	A Cross Sectional Study on Assessment of Proportion of Depression and its Correlates among Women of Reproductive Age Attending Peripheral Health Centers under AIIMS Rishikesh, Uttarakhand
4	Non Funded	Dr. Tejasvini Singhal	Retrospective Comparison of Left Ventricular Ejection Fraction Estimated using 99mTc-Sestamibi Quantitative Gated SPECT and Echocardiography Indexed to body Habitus
5	Non Funded	Dr. Prashant Kumar Verma	Developing of the Clinical and Soft Electronic Data for Birth Defects in a Tertiary Care Center of North Zone of Uttarakhand

6	Non Funded	Dr. Amber Prasad	A Look Back on Health Care Associated Urinary and Blood Stream Infection in Critical Care Unit a Retrospective Study from July 2018 to Oct 2020
7	Non Funded	Dr. Rishi Bolia	Validation of the IMPACT-III Instrument to Assess the Quality of Life of Indian Children with Inflammatory Bowel Disease
8	Non Funded	Dr. Rashmi Malhotra	Student's Perception on Effectiveness of Online Anatomy Classes to Traditional Teaching during COVID-19 Pandemic: An Institutional Study
9	Non Funded	Dr. Nishant Goyal	Collateral Damage Caused by COVID-19: Change in Volume and Spectrum of Neurosurgery Patients
10	Non Funded	Mr. Pankaj Punjot	A Study to Assess the Pattern of Peripheral Neuropathy among Type 2 Diabetic Patients
11	Non Funded	Dr. Ajay Kumar	Course of Smoker and Non-smoker Covid-19 Positive Patients Admitted in ICU
12	Non Funded	Dr. Mukesh Bairwa	Determinants of Intention of Potential Vaccination for COVID-19, and Perceived Causes for Vaccine Hesitancy: A Survey from Patients Attending Tertiary Care Hospital
13	Non Funded	Dr. Bhavna Gupta	Comparative Analysis to Study the Impact of COVID-19 Pandemic on Surgical Case Load and Anaesthesia Practices in a Tertiary Care Hospital: A Cohort Study
14	Non Funded	Dr. Rajesh Kumar	Attitude Towards Potential Vaccination for COVID-19, and Received Causes for Vaccine Hesitancy among Health Care Workers: Nationwide Online Survey
15	Non Funded	Ms. Prasuna Jelly	A Cross-sectional Descriptive Study to Assess the Knowledge and Attitude of Health Care Professionals Regarding Menstrual Blood Banking in a Selected Tertiary Care Hospital
16	Non Funded	Dr. Nidhi Kaeley	Retrospective Analysis of Emergency Visits of Patients during the COVID-19 Pandemic in a Tertiary Hospital in Uttarakhand
17	Non Funded	Dr. Shailesh V. Parate	Occupational Injury Related Deaths among Construction Workers: A Retrospective Study
18	Non Funded	Dr. Bhavna Gupta	A Comparative Retrospective Study of Key Quality Indicators in Anaesthesia and Surgery in Operation Theatre at a Tertiary Care Institute Over a Period of One Year
19	Non Funded	Mr. Maneesh Sharma	Knowledge and Attitude of Student towards COVID-19 Vaccination at AIIMS Rishikesh: Cross-sectional Descriptive Survey
20	Non Funded	Dr.Priyanka Gupta	Role of Allogenic Blood Transfusion in Development of Postoperative Infection in Neurosurgical Patients Undergoing Intracranial Surgery: A Retrospective Study
21	Non Funded	Dr. Nishant Goyal	An Epidemiology Study of Traumatic Head Injury and

			Spinal Cord Injury in Different AIIMS Hospital of India
22	Non Funded	Dr. Pradeep Aggarwal	Outcome of Quarantine Alone or Combined with Other Measures in Managing the Spread of SARS-CoV-2 in a Tertiary Care Hospital
23	Non Funded	Dr. Dipesh Kumar Dhoot	Steroid Tapering Protocol in Adult Nephrotic Syndrome Due to Podocytopathy: A Randomised Control Trial of 2 Regimens (START)
24	Non Funded	Dr. Vishal Dhiman	Impact of COVID-19 on Availability, Access, Utilization of Mental Health Services and Coping Strategies used by Registered Patients with Mental Illness: A Multicentric Study
25	Non Funded	Dr. Praveen Talawar	Comparison of Analgesics Efficacy of Sacral Erector Spinae Plane Block with Caudal Epidural Block using Ultrasound in Children Undergoing Lower Abdominal and Lower Limb Surgery Under General Anaesthesia: An Exploratory Randomized Control Trial
26	Non Funded	Dr. Deepak Rajput	Clinical Spectrum and Management Outcome in Gall Bladder Perforation: A Sinister Entity: Retrospective Study from Sub-Himalayan Region of India
27	Non Funded	Dr. Rakesh Sharma	A Comparative Study to Assess the Attitude towards COVID-19 Vaccination in Rural and Urban Population of Uttarakhand
28	Non Funded	Mrs. Xavier Belsiyal C	Knowledge Attitude and Practices of Psychological First Aid among Health Professionals Working in Emergency and Trauma Unit of a Selected Tertiary Care Centre, Rishikesh: Descriptive Cross Sectional Study
29	Non Funded	Dr.Vasantha Kalyani	A Prospective Observational Study to Assess the Level of Pain and Pattern of Analgesic Practices among Patient Undergoing Orthopedic Surgeries with a View to Develop Patient Tailored Analgesic Practice
30	Non Funded	Dr. Vinod	Mean Platelet Volume as Determinant of Bleeding in Cases of Thrombocytopenia: A Retrospective Observational Study
31	Non Funded	Dr.Rohik Anjum T Siddeek	Impact of Personal Protective Equipment on Surgical Site Infection in Emergency Laparotomy: A Database Based Comparison Study
32	Non Funded	Ms. Rakhi Mishra	Awareness and Attitude Regarding COVID-19 Vaccination among Undergraduate Nursing Students: A Descriptive Survey
33	Non Funded	Dr. Anand Sharma	Association of Liver Fibrosis Assessed by Non-invasive Methods with Type 2 Diabetes Mellitus (T2DM) and its Microvascular Complications: An Observational Cross-sectional Study
34	Non Funded	Dr. Deepak Sundriyal	Geriatric Oncology Registry Program at All India

			Institute of Medical Sciences, Rishikesh: Single Centre Study
35	Non Funded	Dr.Gunnam Poojitha Reddy	Efficacy of Prophylactic Postextubation HFNC Therapy in Preventing the Need Ventilatory Support in Postcardiac Surgery Patients
36	Non Funded	Dr. Deepak Sundriyal	Biomarkers of Platinum Resistance in Ovarian Cancer: An Observational Study
37	Non Funded	Dr. Prakhar Sharma	Diagnostic Yield of Gravity Based Diagnostic Thoracocentesis in Suspected malignant Pleural Effusion (GBTIME): A Pilot Study
38	Non Funded	Dr. Manisha Naithani	Comparison of Gut Microflora of Healthy and Patients of Functional Dyspepsia from Two Different Regions of India: A Pilot Study
39	Non Funded	Dr. Niraj Kumar	To Compare the Efficacy and Safety of Thrombolysis using Altephase versus Tenecteplase in Acute Ischaemic Stroke Patients
40	Non Funded	Dr. Sharon Kandari	Etiological Profile of Chronic Kidney Disease Patients in Tertiary Care Hospital: A Prospective, Observational Study
41	Non Funded	Dr. N.K. Bhat	Comparison of Pediatric Sequential Organ Failure Assessment (pSOF A) and Quick Sequential Organ Failure Assessment (qSOF A) Scores in Predicting Mortality and Morbidity in Children Admitted to PICU in a Tertiary Care Hospital in Uttarakhand: A Retrospective Diagnostic Accuracy Study
42	Non Funded	Dr. N.K. Bhat	Clinical Profile and Treatment Outcomes of Diabetic Ketoacidosis (DKA) among Children Admitted in a tertiary Hospital in North India
43	Non Funded	Dr. Anupam	Impact of Bilateral Symmetrical Superior Oblique Nasal and Temporal Total Tenotomy on A-pattern and Objective Ocular Torsion in Patients of A-pattern Exotropia
44	Non Funded	Dr.Sonal Saran	Role of Diffusion Tensor Imaging of Vastus Lateralis in the Evaluation of Disease Activity in Patients with Inflammatory Myopathies, a Comparison with Histopathological Diagnosis: A Pilot Study
45	Non Funded	Dr.Mahendra Singh	Assessment of Pregnancy Outcome and its Predictors among Pregnant Women Registered in a Primary Health Center and its Attached Subcentres in Dehradun District in Year 2020
46	Non Funded	Dr. N.K. Bhat	Predictors of Late Remission in Children with Nephrotic Syndrome
47	Non Funded	Dr. Rajkumar K.S	Clinicopathological Difference between Gingivobuccal and Oral Tongue Cancers: A Cross-sectional Observational Study From a Tertiary Healthcare Centre in Northern India

48	Non Funded	Dr. Rajkumar K.S	Radiological Tumor Thickness as a Preoperative Predictor of Pathological Depth of Invasion in Oral Squamous Cell Carcinoma: A Retrospective Study
49	Non Funded	Dr.Parneet Singh	Correlation of S. PSA Levels with Presence of Skeletal Metastasis on Bone Scan in Prostate Cancer in a Tertiary Care Centre in Uttarakhand Region: A Retrospective Study
50	Non Funded	Dr. Anupam	Surgical Outcomes of Unilateral Strabismus with Poor Vision: A Retrospective Study
51	Non Funded	Dr. Mohit Bhatia	Microbiological Profile of Oxygen Humidifier Systems Installed in COVID & Non-COVID ICUs & HDUs of AIIMS, Rishikesh: An Exploratory Study
52	Non Funded	Dr.Shalinee Rao	Case-based and Video-assisted Learning to Educate the Second year Medical Students on the Principles of Bioethics through Online Live Mode
53	Non Funded	Ms. Rakhi Mishra	Potential Concern and Challenges following COVID-19 Vaccination among Medical and Nursing Population in Tertiary Care Institute of Uttarakhand: A Cross-sectional Survey
54	Non Funded	Dr. Sharon Kandari	Spectrum of Pregnancy Related Acute Kidney Injury: A Hospital Based, Prospective, Observational Study
55	Non Funded	Dr. Mohit Dhingra	Evaluation of Anatomical Axis-joint Center Distance and Anatomical Axis-joint Center Ratio in Distal Femur and Proximal Tibia in Coronal Plane of Indian Population
56	Non Funded	Dr. Sweety Gupta	Pattern of Occurrence and Clinical Outcomes of Brain Metastases: A Retrospective Study
57	Non Funded	Dr.Mahendra Singh	COVID-19 Vaccination Status among Health Care Workers Diagnosed with COVID-19 in a Tertiary Care Institute of Uttarakhand: A Cross Sectional Study
58	Non Funded	Dr. Anupama Bahadur	Post COVID-19 Stress Sequelae in Postpartum Women
59	Non Funded	Dr. Ankur Mittal	Clinical Spectrum and Management of Renal Cell Carcinoma: A Retrospective Analysis
60	Non Funded	Dr. Ankur Mittal	Pelviureteric Junction Obstruction with Crossing Vessels in Adult Population: Can we Predict the Association Before Surgery: A Retrospective Analysis
61	Non Funded	Dr. Deepak Sundriyal	Feasibility and Safety of Accelerated MVAC(aMVAC) as a Single-day Day-care Chemo-Protocol in Bladder Cancer
62	Non Funded	Dr. Sweety Gupta	Patterns of Care and Management Outcome of Cancer in Elderly Patients: A Retrospective Study
63	Non Funded	Mrs. Xavier Belsiyal C	Impact of COVID-19 on Attitude towards Death and Coping Strategies among Nursing Professionals: An Online Survey
64	Non Funded	Dr.MadhubariVathulya	Giant Spindle Cell Sarcoma of Face, Case Report and Review

65	Non Funded	Dr.Navin Kumar	Measurement of Thirst Scale in Peri-operative Period and its Correlation with Change in Plasma Volume: A Time Bound Exploratory Study
66	Non Funded	Dr.Latika Mohan	Attitude and Perceptions of Medical Professionalism among Faculty and Medical Students at Tertiary Care Medical Institute: A Mixed Method Study
67	Non Funded	Dr.Ajit Kumar	Assessment of Diagnostic Accuracy of Neck Tornado Test and Spurling Test in Cervical Radiculopathy in Indian Scenario
68	Non Funded	Dr.Minakshi Dhar	To Assess the Knowledge and Attitude of Under-Graduate Medical Students and Inters towards Older Adults: An Observational Cross Sectional Study
69	Non Funded	Dr.Mahendra Singh	Assessment of COVID-19 Infection among Healthcare Worker Diagnosed with COVID-19 during First and Second Wave of COVID-19 Pandemic in a Tertiary Level Health Care Institute of Uttarakhand
70	Non Funded	Dr. Mohit Bhatia	Comparative Evaluation BD Phoenix M50 ID/AST System, Mikrolatest MIC Colistin Susceptibility Testing Kit and Colistin Broth Disk Elution Method for in Vitro Colistin Susceptibility Testing in Carbapenem Resistant Klebsiella Pneumoniae Clinical Isolates: An Exploratory Study
71	Non Funded	Dr. Mayank Mishra	Comparison of Patient's Procedural Tolerance of Endobronchial Ultrasound Guided Trasbronchial Needle Aspiration Performed through Nasal vs Oral Route: The NO-EBUS Randomized Clinical Trial
72	Non Funded	Dr. Ankur Mittal	Robot Assisted Laparscopic Pyeloplasty in Poorly Functioning Kidneys Due to Uretero-pelvic Junction Obstruction
73	Non Funded	Dr. Pradeep Aggarwal	Assessment of Profile of Suspected Healthcare Workers during Second Wave of COVID-19 in a Tertiary Care Hospital
74	Non Funded	Dr.Parshika Panwar	Study to Estimate the Proportion of AEFI after SARS CoV-2 Vaccine (Covishield and Covaxin) in Lactating Women: An Exploratory Study
75	Non Funded	Dr.MadhubariVathulya	An Analysis of Free Flap Tissue Transfers for Lower Limbs from a High-volume Center: Retrospective Review
76	Non Funded	Dr. Praveen A.J	Radiological Study of Age-related Changes in Fat Planes of Face
77	Non Funded	Dr.Mahendra Singh	Estimation of Vaccine Wastage Rate for COVID-19 Vaccine in a Vaccination Center of Tertiary Care Hospital in Uttarakhand: A Retrospective Record based Study
78	Non Funded	Dr. Rishi Bolia	Multicentric, Cross-sectional Study of Quality of Life in Children with Chronic Pancreatitis

79	Non Funded	Dr.Roop Bhushan Kalia	Does Non-anatomic Reduction and Fixation of Acetabular Fractures Affect the Post Operative Quality of Life?: A Single Centre, 5 years, Retrospective Analytical Study
80	Non Funded	Dr. Anupam	Ocular Clinical Profile of Post Covid-19 Rhino Orbito Cerebral Mucormycosis (PC-ROCM) Patients: A Retrospective Analysis
81	Non Funded	Dr. Rakesh Sharma	A Descriptive Cross-Sectional Study to Assess Quality of Life, Medication Adherence, and Burden among Caregivers of Children Diagnosed with Epilepsy at a Tertiary Care Hospital Rishikesh
82	Non Funded	Dr.Minakshi Dhar	Clinical Characteristics and Outcomes of COVID-19 Patients who underwent Trachesotomy: A Retrospective Analysis
83	Non Funded	Dr. Rakesh Sharma	A Study to Assess and Compare the Effect of Abdominal Massage on the Gastric Residual Volume among Patients with Nasogastric (NG) Tube Feeding Admitted in Intensive Care Units: A Randomized Controlled Trial
84	Non Funded	Dr. Amit Sehrawat	A Cross Sectional Survey to Assess Knowledge, Attitude and Practice of Yoga among Cancer Patients at a Tertiary Care Hospital
85	Non Funded	Dr. Puneet Dhamija	Detection and Assessment of Drug-Drug Interactions in Patients of Mucormycosis Treated with Amphotericin-B
86	Non Funded	Dr. Puneet Dhamija	Preventable and Manageable Adverse Drug Events in Patients with Mucormycosis Due to Amphotericin B
87	Non Funded	Dr.Roop Bhushan Kalia	Validation of Patient-Reported Knee-Specific Outcomes Questionnaire Specifically Intended to Assess Pain, Stiffness, and Funtional Activities in Indians with OA: An Observational Cross Sectional Study
88	Non Funded	Dr. Rajesh Kumar	Pandemic Fatigue, Coping Strategies and Resilience Status among Nursing Students: A Cross Sectional Survey
89	Non Funded	Dr. Deepak Sundriyal	Clinical and Demographic Study of Urinary Bladder Cancer: An Institution based Study
90	Non Funded	Dr. Pankaj Sharma	Use of Napier's Artificial Intelligence Enabled Radio-Diagnostics Product (CXR) as a Radiologist's assistant to Aid Clinical Decision Making and Optimize Work-load
91	Non Funded	Dr. Puneet Dhamija	Analysis of Adverse Drug Reactions in Hematoncology
92	Non Funded	Dr. Rashmi Malhotra	Study of Student's Perspectives of Pandemic Induced Stress, Online Learning, and its Impact on Mental Health

93	Non Funded	Mrs. Malar Kodi S	A Descriptive Cross-sectional Study to Assess Knowledge, Attitude, and Potential Barriers Regarding Donor Human Milk (DHM) and Banking among Mothers in the Selected Community of Uttarakhand
94	Non Funded	Dr. Amit Gupta	Management Outcome of Pancreatic Cancer in the Hepato-Pancreato-Biliary Unit of a Tertiary Care Hospital: Retrospective Study from Sub-Himalayan Region of India
95	Non Funded	Dr.Vikram Singh Rawat	Knowledge and Attitude of Undergraduate Medical Students towards Mental Illness: A Mixed Method Study
96	Non Funded	Dr. Poonam Arora	To Assess the Role of ROX Index and CURB-65 Score in Predicting the Mortality among Patients with COVID-19 Presenting to Emergency Department: A Retrospective Observational Study
97	Funded	Dr.Nilotpal Chowdhury	Diagnostic Usefulness of Circulating Tumor Cells in Urinary Bladder Carcinomas: An Exploratory Study
98	Funded	Dr. Rajnish K Arora	To Study the Status of VDR Gene Single Nucleotide Polymorphism in Cervical Spondylitis Patients Attending Tertiary Care Hospital of Uttarakhand: A Case-control Study
99	Funded	Dr. Balram Ji Omar	A Prospective Observational Study to Evaluate Correlation of Cytokines with Sepsis
100	Funded	Dr. Ashish Jain	Screening of Blood Donors for COVID-19 Antibody: A Single Center Study
101	Funded	Dr.Uttam Kumar Nath	Study of Mutational Landscape in Histone Acetylation Gene CREBBP in B-cell Lymphoma by Next Generation Sequencing
102	Funded	Dr.SaramaSaha	Measurement of Blood Level of Neuro Biomarkers in COVID-19 Patients at AIIMS Rishikesh: An Observational Study
103	Funded	Dr. Mukesh Bairwa	Effect of Glycemic Variability on Mortality in Patients with Sepsis: A Prospective Observational Study at a Tertiary Care Hospital
104	Funded	Dr. Meenakshi Khapre	Utility of Ibreast Device for Screening of Breast Lump Comparison to Clinical Breast Examination and Mammography
105	Funded	Dr. Kalyani Sridharan	Change in Incretin and Insulin Levels Following Treatment with Direct Antiviral Agents in Non-cirrhotic Patients with Chronic Hepatitis C: An Observational Prospective Follow up Study
106	Funded	Dr. Ravi Hari Phulware	To Study the Diagnostic Accuracy of the Novel Second-generation Neuroendocrine Marker Insulinoma - associated Protein 1 (INSM1) in Diagnosis Neuroendocrine Tumors and Comparison with First Generation Neuroendocrine Marker Chromogranin, Synaptophysin, and CD56

107	Funded	Dr.MadhubariVathulya	Estimation of GSTP1 Polymorphism in Non-syndromic Clefts
108	Funded	Dr. Jayanti Pant	A Pilot Study to Assess Cardio-respiratory and Metabolic Profile of Marcha and TolchaBhotias Residing in High Altitude in Uttarakhand
109	Funded	Dr. Nidhi Kaeley	To Evaluate Role of Endothelin 1 as Marker for Severe COVID 19 Related Disease: An Observational Cohort Pilot Study
110	Funded	Dr. Yogendra Pratap Mathuria	To Study the Association of Leptin & Adiponectin with Severity of COVID-19 in Patients Presenting at AIIMS Rishikesh
111	Funded	Dr. Manisha Naithani	Clinical Impact of Mutated TP53 Gene in Chronic Lymphocytic Leukemia (CLL): A Prospective Observational Pilot Study at Tertiary Care Centre of Uttarakhand
112	Funded	Dr. Yogesh Bahurupi	Seroconversion following COVID-19 Vaccine among Beneficiaries at AIIMS Rishikesh: A Quasi-experimental Study
113	Funded	Dr. Abhishek Bhardwaj	The Role of Chemokine Receptors CCR7 & CXCR4 as Predictive and Prognostic Biomarkers in Oral Cavity Squamous Cell Carcinoma: A Cross Sectional (Observational) Study
114	Funded	Dr. Manoj Gupta	Structure Mentoring Program for First Year Students at AIIMS, Rishikesh: A Pilot Study
115	Funded	Dr. Vartika Saxena	Assessment of Post-covid Sequelae among COVID-19 Positive Patients during their Post-COVID Period Reported at Tertiary-care Institute AIIMS, Rishikesh: A Follow-up Study
116	Funded	Dr. Ravi Kant	A Preclinical Study for Development of Encapsulated Human Islet Cells: Innovative Technique to Cure Diabetes
117	Funded	Dr. Pankaj Kandwal	Early Detection of Avascular Necrosis of Femoral Heads as an Adverse Effect of the Therapeutic use of Steroids in COVID-19 Patients: A Prospective Observational Study
118	Funded	Dr. Pakesh Baishya	Study of Association of C4d Staining in IgA Nephropathy with Clinical Progression at a Tertiary Care Hospital, Uttarakhand
119	Funded	Dr. Nidhi Kaeley	To Evaluate Role of Endothelin 1 as Marker for Severe COVID 19 Related Disease: An Observational Cohort Pilot Study
120	Funded	Dr. Mohit Dhingra	To Study the Correlation of IHC Markers in the Prognostication of Malignant Bone Tumors

B) List of Extramural Project 2021-22

Sr. No	Name of PI	Project Title
1	Dr. Deepak Sundriyal	A situational analysis of childhood cancer care services in India
2	Dr. Sharma Saha	To investigate gene expression and association between wntsignaling inhibitor, sclerostin and insulin resistance in individuals with prediabetes and type 2 diabetes mellitus in populations of Uttarakhand
3	Dr. Amit Gupta	Study fo expression of malecular markers by Quantitative real time polymerase chain reaction (RT-Qpcr) and their correlation with risk stratification in patients of corcinoma prostate
4	Dr. Ravi Kant	Innovative technique to cure diabetes: Encapsulated human islet cells implantation
5	Dr. Manisha Naithani	Study to explore aldehyde dehydrogenase activity in comparison with variable region of the immunoglobulin heavy chain (IGHV) gene mutation in chronic lymphocytic leukemia: An observational hospital based study at a tertiary healthcare centre in Uttarakhand
6	Dr. Shalini Rajaram	Standardizing data collection and cervical cancer screening protocols to improve facility preparedness and capacity buliding for cervical cencer elimination
7	Dr.MinakshiKhapre	effectiveness of kabasurakudineer in management of asymptomatic, Mild to moderate cases of COVID-19 : An open lable,single blind point randomized controlled trial
8	Dr. Girish Sindhwani	Uttarakhand ILD Registry{UKIR}"
9	Dr. Girish Sindhwani	"ICMR"s Network of pulmonary Fibrosis
10	Dr. Niraj Kumar	IMPETUS: Implementation of an evaluation and treatment package for uniform stroke care and outcomes in the medical college, an impementation research study
11	Dr. Jaya chaturvedi	Women's health and domestic violence against woment during COVID-19 pandemic in India
12	Dr. Santosh Kumar	Doorstep Primary health care model- A Tele-health disease focused approach through mobile van in hilly areas of Uttarakhand
13	Dr. Kiran Meena	Prevalence of small intestine bacterial overgrowth (SIBO) and its risk fators in chronic pancreatitis patients: An analytical cross-sectional study
14	Dr. Vandana Dhingra	Development of a membrane based kit to find out L1 retrotransposon activity in oral squamous cell carcinoma (OSCC)
15	Dr. Madhur Uniyal	Isolation, Identification and therapeutic approach of river ganga phage for difficult to treat trauma infected patients

List of Students received fellowship/awards for year 2021-22

Sr. No.	Name	Department	Designation	Fellowship/Award
1.	Dr. Athulya V Ajith	Community & Family medicine	JR-I	Financial assistance to MD thesis by ICMR (N o.3/2/20202/ PG Thesis/HRD) (registration no. MD21DEC-0089)
2.	Dr. Adity Bansal	Dentistry	Senior Research Associateship	Offer for Senior Research Associateship (No. B-12908) by CSIR

10. RESEARCH PUBLICATION

10.1 Department of Anaesthesiology

I) National Publication

1. 1Mageshwaran T, **Singla D, Agarwal A, Kumar A, Tripathy DK,Agrawal** S. Comparative efficacy of supraclavicular versus infraclavicular approach of subclavian vein cannulation under ultrasound guidance: A randomised clinical trial. Indian J Anaesth 2021;65: 69-73
2. **Agrawal S**, Pathak S, Bhardwaj BB, Arora P, Kabi A, Kathrotia R , Rao S. Simulator based Videolaryngoscopy Training for Capacity Building in Intubation During COVID 19 Pandemic: An Institutional Experience from North India. Airway 2021;4:90-7
3. **Gupta B, Jain** G, Chandrakar S, Gupta N, **Agarwal A**. Arterial Blood Gas as a Predictor of Mortality in COVID Pneumonia Patients Initiated on Noninvasive Mechanical Ventilation: A Retrospective Analysis. Indian J Crit Care Med. 2021 Aug;25(8):866-871
4. Mohammad H, **Jain G, Agarwal A**, Kausar S, Sama S. Application of Endotracheal Tube Cuff Pressure Monitoring during Percutaneous Dilatational Tracheostomy: A Novel Technique. Indian J Crit Care Med 2021;25(9):1040–1041
5. Gupta M, Chandrakar S, Agarwal A. Pseudopneumothorax: diagnostic pitfalls. Postgrad Med J. 2021 May 26: postgradmedj- 2021-140250
6. Adabala V, Tripathi M, Gupta P, Parameswaran P, Challa R, Kumar A. Effects of intraoperative inverse ratio ventilation on postoperative pulmonary function tests in the patients undergoing laparoscopic cholecystectomy: A prospective single blind study. Indian J Anaesth. 2021 May;65(Suppl 2):S86-S91.
7. Gupta L, **Gupta B**. Anaesthesia concerns for magnetic resonance imaging (MRI) of conjoint twins. Indian J Anaesth 2022;66:229 30
8. **Gupta B**, Raveendra SU, Pallavi A, Anish G. Managing the difficult airway in an Ophthalmic surgery under monitored anaesthesia care. Indian J Ophthal Anaesth 2022;2(1): 13-25
9. Ahluwalia P, **Gupta B**. Questignited for newer analgesics. Indian J Pain 2022; 36:3 4.
10. Ahluwalia P, **Gupta B**. Electronic pre-anaesthetic checkups (E-PAC) and digital informed consent before elective procedures: Is it time to break the cliche? Indian J Anaesth 2021;65:909-10.
11. Ahluwalia P, **Gupta B**. Need for modified PAC form in geriatric age group. Indian J Clin Anaesth 2021;8(4):624-625.
12. **Gupta B**, Adabala V, Tuppad P, Kannan U. Heart Rate Monitoring of Anaesthesiology Residents during the Airway Mnagement of COVID 19 Suspect Patients – an observational study. Archives of Anesthesiology and Critical Care (Autumn 2021); 7(4): 205-208
13. Panwar P, Gupta A, **Kumar A, GuptaB**, Navriya SC. Mucormycosis in COVID Diabetic Patients: A Horrifying Triad! Indian J Crit Care Med 2021;25(11): 1314–1317
14. **Gupta B**, Ahluwalia P. Need for a central survey-based registry- for effective conduct of survey-based medical research. Indian J Anaesth 2021;65:768-70.
15. Gupta A, **Gupta B**. An innovative oxygen delivery method with the help of pacifier assembly for infants. J Clin Images Med Case Rep. 2021; 2(3): 1195.
16. Gupta A, **Gupta B**. Silent slow pandemic of antimicrobial resistance. Indian J Clin Anaesth 2021;8(3):354-355
17. Aggarwal A, Balyan R, Suresh V, **Gupta B**. Stellate ganglion block and neurolysis for refractory ventricular arrhythmia. IndianAnaesth Forum 2021;22:183-6
18. **Dhar M**, Chaturvedi J, Panda PK, Patnaik I, Dhar P. Dynamics of health-care professional deployment in COVID-19 pandemic. J Med Evid 2021;2:101-4.
19. **Dhar M**, Jaishankaraswamy HM, Gupta N, Chattopadhyay D. Use of video laryngoscope in a difficult paediatric cleft palate airway: Rescue or primary airway device? Indian J Anaesth 2021; 65:765-6.
20. **Dhar M**, Jaishankaraswamy HM, Gupta N, Chattopadhyay D. Use of video laryngoscope in a difficult paediatric cleft palate airway: Rescue or primary airway device?

Indian J Anaesth. 2021 Oct;65(10):765-766

21. Adabala V, Tripathi M, **Gupta P**, Parameswaran P, Challa R, Kumar A. Effects of intraoperative inverse ratio ventilation on postoperative pulmonary function tests in the patients undergoing laparoscopic cholecystectomy: A prospective single blind study. Indian J Anaesth. 2021 May;65(Suppl 2):S86-S91. doi: 10.4103/ija.IJA_1453_20.
22. Sharma J, Kumar N, Huda F, **Payal YS**. Enhanced Recovery After Surgery Protocol in Emergency Laparotomy: A Randomized Control Study. Surg J (N Y). 2021 Apr;7(2):e92-e99.

II) International Publication

1. Andleeb R, **Agrawal S**, **Gupta P**. Evaluation of the Effect of Continuous Infusion of Dexmedetomidine or a Subanesthetic Dose Ketamine on Transcranial Electrical Motor Evoked Potentials in Adult Patients Undergoing Elective Spine Surgery under Total Intravenous Anesthesia: A Randomized Controlled Exploratory Study. Asian Spine j Aug20,2021Epub ahead of print
2. Barik A, **Agrawal S**, **Gupta P**, Kumari R. Evaluation of equiosmolar 20% Mannitol,3% hypertonic saline,8.4% sodium bicarbonate on intraoperative brain relaxation and hemodynamic parameters in patients undergoing craniotomy for supratentorial tumors: a prospective randomized study. Minerva Anestesiologica 2021;87:
3. Panda PK, Singh BO, Moirangthem B, Bahurupi YA, Saha S, Saini G, Dhar M, Bairwa M, Pai VS, **Agarwal A**, Sindhwani G, Handu S, Kant R. Antiviral Combination Clinically Better Than Standard Therapy in Severe but Not in Non-Severe COVID-19. Clin Pharmacol. 2021 Sep 29;13:185-195
4. Mohanta J, **Kumar A**, Kaushal A, Talawar P, Gupta p,Jain G: Anaesthesia for Awake Fiberoptic Intubation: Ultrasound-Guided Airway Nerve Block versus Ultrasonic Nebulisation with Lignocaine:Discoveries 2021, 9(1): e125. DOI: 10.15190/d.2020.4
5. Mishra P, Tomer A, **Kumar A**, Nath A,Sharma SK, Singh GK. Pain management in COVID-19 pediatric patients—An evidence-based review. Saudi J Anaesth 2021;15:33
6. Gupta B, **Kumar A**, Adabala V. Challenging Times of Pandemic- Is COVID Shelter a Solution?. Arch Anesth & Crit Care. 2021;7(2):117-119.
7. Singh G, Verma S, **Kumar A**, Monika S. Baska Mask Failure: Culprit Resides at the Posterior Commissure. Arch Anesth & Crit Care. 2021;7(4):303-304
8. Mishra P, Nath A, **Kumar A**, Sharma S. A systematic review of the neglect of non-COVID patients amidst COVID pandemic. J Clin Images Med Case Rep. 2021; 2(6): 1398.
9. Dhar M, **Kumar A**, Selvaraj N. Surgically placed sub-costal transverse abdominis plane catheter as an alternative to ultrasound-guided technique in a converted cholecystectomy. J Med Sci 2021;41:51-2.
10. Darbari A, Kumar B, Jose A, **Kumar A**. Unexplained recurrent pericardial effusion in a young adult male: Think beyond tuberculosis. Res Cardiovasc Med 2021;10:88-90.
11. Mishra P, Gupta B, Chandra P, **Kumar A**. Changes in modified Mallampati class in patients
12. undergoing percutaneous nephrolithotomy in prone position – A prospective observational study. Airway 10.4103/arwy.arwy_43_21
13. Goyal S, **Kumar A**, Mishra P, Goyal D. Efficacy of interventional treatment strategies for managing patients with cervicogenic headache: a systematic review. Korean J Anesthesiol. 2022 Feb;75(1):12-24
14. Pathak S, Kaushal A, Gupta P, **Talawar P**. Facemask as Eye Cover: Think Beyond Mask Ventilation. J Neurosurg Anesthesiol. 2022 Jan 1;34(1):e74-e75
15. Gupta B and Mishra P. A systematic review and meta-analysis of the use of succinylcholine to facilitate tracheal intubation in neonates Ain-Shams Journal of Anesthesiology (2021) 13:68 https://doi.org/10.1186/s42077-021-00185-z
16. Gupta N, **Gupta B**, McArthur C. A Case of Severe COVID-19 Infection in a Patient with Acute Myeloid Leukaemia: Critical Care Management and a Review of the Literature EMJ. 2021; 10.33590/emj/21-00093
17. Ahluwalia P, **Gupta B**. Knowledge, attitude,and practices of Indian anesthesi-

ologists regarding the comprehensive preanesthetic assessment of geriatric patients: A cross sectional survey. Bali J Anaesthesiol 2021;5:246 51

18. Kabi A, **Dhar M**, Arora P, Bhardwaj BB, Chowdhury N, Rao S. Effectiveness of a Simulation-Based Training Program in Improving the Preparedness of Health Care Workers Involved in the Airway Management of COVID-19 Patients. Cureus. 2021 Aug 20;13(8).
19. **Dhar M**, Anilakumari D, Shajahan MS, Gupta V. Multiple kinking in a single epidural catheter; rare complication or a defect in the catheter?. Archives of Anesthesiology and Critical Care. 2021 Jul 31;7(3):199-200.
20. Banerjee A, Adabala V, **Dhar M**. U–Turn of suction catheter within i-gel during elective surgery: An unusual presentation. Bali J Anaesthesiol 2021; 5:288-9.
21. **Dhar M**. Non-traumatic "saline flush stylet" technique as an alternative rescue approach in difficult peripheral arterial catheter insertion. Bali J Anaesthesiol 2021; 5:290-1.
22. Kulshreshtha P, Bahurupi Y, **Dhar M**, et al. Preparedness of Undergraduate Medical Students to Combat COVID-19: A Tertiary Care Experience on the Effectiveness and Efficiency of a Training Program and Future Prospects. Cureus.2022. 14(3): e22971.
23. Anilakumari D, Arora P, **Gupta P**, Arora RK. Partial occlusion of left axillary artery in a patient undergoing robot-assisted radical cystectomy. J Minim Access Surg. 2022 Jan-Mar;18(1):142-144. doi: 10.4103/jmas.

Book published

1. **Agarwal S**. Colloids: An Overview Chapter in book Yearbook in Anaesthesiology 10 published by Indian College of Anaesthesiologists
2. **Agarwal S**. Negative Pressure Operation Theatre. Chapter in book Essential of Covid 19 for Anaesthesiologists
3. Khana P and Singh A Short and Long cases of Anaesthesiology Chapter 19 (page 206-216) and Chapter15(page 130-148)

1) Low backache pain
2) Grading and Scaling of Anaesthesiology

4. **Gupta B**. Chapter In book: Robotic gynecologic surgery Anesthetic considerations in robotic gynecological surgeries.September 2021Publisher: Thieme

10.2 Department of Anatomy

I) National Publication

1 **Ravi KS,** Pushpa NB, Kaur S, Mehta V, Reddy KS. Taxation of micronuclei frequency as a prognostic marker in oral and oropharyngeal carcinoma: A cytogenetic study. National J cLinical Anatomy. 2021; 10(12): 45-48

2 Pushpa NB, **Ravi KS**. White coat ceremony - A felicitous ritual .National Journal of Clinical Anatomy. 2021;10(2): 55-6

3 Pushpa NB, Viveka S, **Ravi KS**, Vishwambara. Proning : its anatomical basis & effect on oxygen saturation. National Journal of Clinical Anatomy. 2021;10(3) :178-80

4 Pushpa NB, **Ravi KS**. The memory storing synthetic brain cells. National Journal of Clinical Anatomy. 2021;10(4):1-4

5 **Ravi KS**. Message from Editor-in- chief. Ntional Journal of clinical anatomy. 2022;11 (1):1

6 Pushpa NB, Viveka S, **Ravi KS.** Research in Anatomy: Challenges and Opportunities amid the COVID-19 Pandemic. National Journal of Clinical Anatomy. 2022;11(1):2-4

7 **Ravi KS,** Choudhary D, HAssan SBA. Revisiting the teaching-learning methodology of anatomical sciences in the COVID-19 pandemic era Indian Journal of Clinical Anatomy and Physiology.2021;8(2):77-80

II) International Publication

1. **Pooja B,** Bisht K, **Singh B.** Tiwari V. Cadaveric Study on the Morphology and Morphometry of Heart Papillary Muscles. Cureus 2022;14 10.7759.
2. Jakhar B, **Malhotra R**, Bisht K, Singh RA, Khoiwal K, **Singh B**. Histogenesis and

Distribution of Islets in Human Fetal Pancreas. Int. J. Adv. Res 20 Jan-2022. 10(01), 329-345.

3. Asghar A, Jha RK, Patra A, Choudhary B, **Singh B.** The prevalence and distribution of the variants of Gantzer's muscle : a meta-analysis of cadaveric studies**.** Anatomy & Cell Bilology 2022; 55 (1):3-13
4. Arora RK, Mittal RS, Rekhapalli R, Sadhasivam S, Bhragava P, Deopujari CE, Barua MP, Singla M, **Singh B**, Arora P. Simulation training for neurosurgical residents: Need versus reality in Indian Scenario. Asian J Neurosurg 2021;16: 230-235
5. Ansari MS , **Singla M** , Pasi R , **Ravi KS** . Cephalic Index in Adult Jaunsari Tribe Population of Dehradun District of Uttarakhand- A Cross-sectional Study . International Journal of Anatomy Radiology and Surgery. 2021;10(4): AO10-AO13
6. Ahmed A, Haasan SBA , Divasha , Sonia , **Singla M , Ravi K.S.** Morphometric Study of Sacral Hiatus in Adult Human Sacra and Its Clinical Insinuation in Caudal Epidural Anesthesia. International Journal of Scientific Study. 2021;9(9)
7. **Khorwal G**, Negi G, Bhute A, Chandra H, Balasubramanian P, Pant J. Online foundation course program for first year medical undergraduates amidst the covid-19 pandemic – a new learning experience. Adv Med EducPract. 2021; 12:739-44
8. Kavita M, Chaturvedi A, Ahmad A, **Pooja B**. Morphometry of fetal liver from human fetuses between 12-36 weeks gestational age. Cureus 2022; 10.7759.
9. Pushpa NB, **Ravi KS,**Durgapal P. Discovery of new salivary gland – A substantial histological analysis. Radio-therapy and Oncology.2021; 161:92-4
10. Viveka S, Pushpa NB, **Ravi KS**. Online learning modules in anatomical sciences: Effective sources for continued learning for medical undergraduate during the unprecedent COVID-19 Pandemic. Galician medical journal .2021;28(3): E202136
11. **Ravi KS**, Pushpa NB, Kaur S, Mehta V, Reddy KS. Karyoanomalic frequency assay during radiation therapy – A promising marker in the prognosis of oral and oropharyngeal carcinoma.Journal of family medicine and primary care.2021; 10:4548-52
12. Iwanaga J, Singh V, Takeda S, Ogeng'o J, Kim HJ, Morys J, **Ravi KS**, et al. Standardized statement for the ethical use of human cadaveric tissues in anatomy research papers: Recommendations from Anatomical Journal Editors-in-Chief. Clinical Anatomy. 2003; 1–3
13. Wahl L, Lee R, Olwnik HL, Iwanaga J, Georgia G, **Ravi KS**, Dumont AS, Tubbs RS.Atavistic muscles in human anatomy: Evolutionary origins and clinical implications. Anatomiahistologia-embryologia. 2021; https://doi.org/10.1111/ahe.12796
14. Iwanaga J, Patra A, **Ravi KS**, Dumont AS, Tubbs RS. Anatomical relationship between the foramen ovale and the lateral plate of the pterygoid process: application to percutaneous treatments of trigeminal neuralgia. Neurosurg Rev. 2022 Jan 15. doi: 10.1007/s10143-021-01715-x. Epub ahead of print. PMID: 35031899.
15. Pasi R, **Ravi KS**. Type 1 diabetes mellitus in pediatric age group: A rising endemic. J Family Med Prim Care. 2022 Jan;11(1):27-31.
16. Patra A, Asghar A, Chaudhary P, **Ravi KS**. Integration of innovative educational technologies in anatomy teaching: new normal in anatomy education. Surgical and Radiologic Anatomy.2022; 44:25–32
17. **Ravi KS**, Divasha, Hassan SB, Pasi R, Mittra S, Kumar R. Neural tube defects: Different types and brief review of neurulation process and its clinical implication. J Family Med Prim Care. 2021;10(12): 4383-4390.
18. Ahmed A, Hassan SBA, Choudhary D, Singla M, **Ravi KS**.Morphometric Study of Sacral Hiatus in Adult Human Sacra and Its Clinical Insinuation in Caudal Epidural Anesthesia. International Journal of Scientific Research.2021; 9(9):1-4
19. Patra A, Asghar A, **Ravi KS**, Duparc F, Arora S. The morphological and morphometric analysis of the variant patterns of the tricipital aponeurosis: A new anatomical classification with possible clinical implications. Folia Morphol (Warsz). 2021 Sep 30. doi: 10.5603/FM.a2021.0097.
20. Negi M, Thakur L, Dhingra VK, **Ravi KS**. Molecular Imaging of the Skeleton using

Skeletal Scintigraphy from an Anatomist's Perspective International Journal of Scientific Research & Growth.2021; 9(6):14-20

21. Pasi R, Divasha, **Ravi KS**. Impact of educational programme regarding ORS therapy on the level of knowledge of mothers aged 18-35 years of under 5-year children. J Family Med Prim Care. 2021;10(8):2834-2838.
22. **Ravi KS**, Singla M, Ansari M, PasiR. Cephalic Index in Adult Jaunsari Tribe Population of Dehradun District of Uttarakhand-A Cross-sectional Study August 2021International Journal of Anatomy Radiology and Surgery 10(4):10-13
23. Patra A, Chaudhary P, Arora K, **Ravi KS**. Surgical anatomy of the radial nerve in the anterior compartment of the arm: relationship with the triceps aponeurosis. SurgRadiol Anat. 2021;43(5):689-694
24. **Pooja B,** Gupta G, Agarwal A. Viral pandemics in the past two decades: An overview. Journal of Family Medicine and Primary Care. 2021; 10. 2745.
25. **Rathore H, Pooja P.** Morphometry of Cervical, Thoracic and Lumbar vertebrae in relation to the pedicle and its clinical implications in North India. IJAR. 2022; 12(03).

Abstract

Ravi KS. Radiation Induced Nuclear Changes in Oral and Oropharyngeal Carcinoma.Clinical anatomy.2021

Book published

1. **Ravi KS**. Snell's Clinical neuroanatomy-editor South Asian edition published by Wolter Kluwer
2. **Pooja B.** "Quality Hand Book" as a guide for implementation of NABH standards, for health care workers.

10.3 Department of Biochemistry

I) National Publication

1. Rabari K, **Naithani M,** Patra P, Sonagara N, Dudi P, **Goyal B, Saha S,Mirza AA**, Darbari A. Single-Point Insulin Sensitivity Estimator (SPISE) as a Feasible Marker of Insulin Resistance in Adult Metabolic Syndrome: Evaluated in a Hospital Based Cross-Sectional Pilot Study at Tertiary Care Centre of Uttarakhand. Indian Journal of Clinical Biochemistry. 2021 Jul 15:1-5.
2. Kapoor M, Dhar M, **Mirza A**, Saxena V, Pathania M. Factors responsible for Uncontrolled Hypertension in the Adults over 50 years of age: A pilot study from Northern India. Indian Heart Journal. 2021 Sep 1;73(5):644-6.
3. Tripathi K, Yadav SRM, Kumar P, Gupta SC, Gupta T, Krishnan S, **MirzaAA, Goyal B**. Newer Strains of SARS-Cov-2 Evolving from RBD of Spike Protein: A Potential Concern for Neutralizing-Antibody Response. Himalayan Journal of Community Medicine and Public Health 2021 Dec 10:2(6):2709-3522 ISSN Online: 2709-3530 DOI: 10.47310/Hjcmph. 2021. v02i06.006
4. Kumar P, Uniyal M, Kothari A, Tripathi K, Mamgain G, **Mirza AA.** A Review on a Unique Property of Ganga Jal , Himalayan Journal of Humanities and Cultural Studies J Human Cul Stud; Vol-2, Iss- 5 (Sept-Oct, 2021): 33-39
5. Kathrotia R, Huda F, Rao S, Bahadur A, Kant R, **Naithani M**. Internship orientation: an essential facilitatory bridging step for medical students.Avicenna J Med. 2021 Apr;11(02):77-83.
6. Sharma K, Singh B, **Naithani M,** Chandra R, Verma PK. Short stature among girl child: a psychological burden or a social stigma-a review. Int J Community Med Public Health 2021;8(5):2588-91.
7. **Naithani M**, Khapre M, Kathrotia R, Gupta PK, Dhingra VK, Rao S. Evaluation of Sensitization Program on Occupational Health Hazards for Nursing and Allied Health Care Workers in a Tertiary Health Care Setting. Frontiers in public health. 2021 Jun 16;9:498.
8. Rajput S, Paliwal D, Naithani M, Kothari A, **Meena K,**Rana SV. COVID-19 and gut microbiota- A potential connection.Indian J Clin Biochem. 2021 July;1-12.doi: 10.1007/s12291-020-00948-9.

ii) International Publication.

1. Kaushal K, Kaur H, Sarma P, Bhattacharyya A, Sharma DJ, Prajapat M, Pathak M, Kothari A, Kumar S, Rana S, Kaur M. **Mirza A** Serum ferritin as a predictive biomarker in COVID-19. A systematic review, meta-analysis and meta-regression analysis. Journal of critical care. 2022 Feb 1;67:172-81.
2. Tendulkar P, Kant R, Rana S, Yadav P, **Mirza AA**, Agarwal D. Efficacy of Pro-Kinetic Agents in Type 2 Diabetes Mellitus Patients With Gastroparesis Using Lactulose Hydrogen Breath Testing: A Randomized Trial. Cureus. 2022 Jan 6;14(1).
3. Malik S, **Naithani M**, **Mirza AA**, Darbari A, Saxena R. Possible mechanisms of cardiovascular complications and troponin elevation in coronavirus disease: A narrative review. Heart and Mind. 2021 Jul 1;5(3):65.
4. Singh A, Kant R, Nandi S, Husain N, **Naithani M,Mirza AA**, Saluja TS, Srivastava K, Prakash V, Singh SK. Detection of differential expression of miRNAs in computerized tomography-guided lung biopsy. Journal of Cancer Research and Therapeutics. 2022 Jan 1;18(1):231.
5. Sudan A, Kalra A, **Mirza AA,** Kant R. Efficacy of DPP-4 inhibitors and SGLT2 inhibitors compared to sulphonylureas in adult patients with diabetes with low c-peptide levels with or without anti-GAD65 antibody positivity. Diabetes & Metabolic Syndrome: Clinical Research & Reviews. 2021 Jul 1;15(4):102197.
6. Mandal A, Sharma S, Rani R, Ranjan S, Kant R, **Mirza A**. Impact of cassia bark consumption on glucose and lipid control in type 2 diabetes: An updated systematic review and meta-analysis. Cureus. 2021 Jul 13;13(7).
1. Bahadur A, Arora H, Ravi AK, **Naithani M**, Bahurupi Y, Chaturvedi J, Ajmani M, Mundhra R. Comparison of Clinical, Metabolic and Hormonal Effects of Metformin Versus Combined Therapy of Metformin With Myoinositol Plus D-Chiro-Inositol in Women With Polycystic Ovary Syndrome (PCOS): A Randomized Controlled Trial. Cureus. 2021 Jun 7;13(6).
2. Rao S, Rohilla KK, Kathrotia R, **Naithani M**, Varghese A, Bahadur A, Dhar P, Aggarwal P, Gupta M, Kant R. Rapid workforce development to combat the COVID-19 pandemic: experience from a tertiary health care centre in North India. Cureus. 2021 Jun 11;13(6).
3. Rabari K, **Naithani M**, Patra P, Sonagara N, Dudi P, Goyal B, Saha S, Mirza AA, Darbari A. Single-Point Insulin Sensitivity Estimator (SPISE) as a Feasible Marker of Insulin Resistance in Adult Metabolic Syndrome: Evaluated in a Hospital Based Cross-Sectional Pilot Study at Tertiary Care Centre of Uttarakhand.Indian J Clin Biochem. 2021 Jul 15:1-5.
4. Sharma N, Saxena V, **Naithani M**, Khan S. Geomedical Assessment of Areas Having Varying Groundwater Fluoride Levels in Rudraprayag District, Uttarakhand. Indian J PublicHealth Res Dev. 2021 Jul 1;12(3):122-27.
5. Sharma N, Saxena V, **Naithani M**. Prevalence of gingivitis and associated factors in 6-9-year-old children in Rudraprayag District, Uttarakhand. J Indian Assoc Public Health Dent 2021;19:277-82.
6. Sharma N, Saxena V, **Naithani M.** Dental caries and its association with increasing water fluoride concentration in district Rudraprayag, Uttarakhand. Int J Community Med Public Health. **2021 July. 1(**8): 4005-11.
7. Kumar A, Sharma A, Handu S, Singh J, **Naithani M**. Molecular docking analysis of piperlongumine with different apoptotic proteins involved in Hepatocellular Carcinoma. Bioinformation 2021 Sep. 17(9): 829-33
8. Chaudhary Y, Sandhu N, Singh A, Aggarwal P, **Naithani M**. Digital Warfare Against COVID-19: Global Use of Contact-Tracing Apps. Asia Pac J Public Health. 2021 Nov;33(8):945-8.
9. Rao S, Anthony ML, Chowdhury N, Kathrotia R, Mishra M, **Naithani M**, Sindhwani G, Singh N. Molecular characterization of lung carcinomas: A study on diagnostic, predictive, and prognostic markers using immunohistochemical analysis at a Tertiary Care Center in Uttarakhand, India. India. J Carcinog. 2021 Oct 7;20:17.
10. Mamgain G, Patra P, **Naithani M**, Nath UK. The Role of Microbiota in the Development of Cancer Tumour Cells and Lymphoma of B and T Cells. Cureus. 2021 Oct 25;13(10).
11. Paul P, Rajput S, Joshi P, **Naithani M**,

Chowdhury N, Rao S, Pai MO. Comparison of Fluorometric and UV Spectrophotometric Findings for DNA Isolated From Formalin-Fixed Paraffin-Embedded Blocks, Fine Needle Aspiration Cytology Smears, and Blood. Cureus. 2021 Nov 15;13(11).

12. Vathulya M, Rao S, Kathrotia R, **Naithani M**, Bisht M, Varshney S, Negi G, Mohan L, Gupta P, Kant R. Factors influencing the success of faculty development programme: Our experience and future recommendations. J Med Evid 2021;2: 125-33.
13. Saxena R, **Naithani M**, Saluja R. Diabetes and cancer: Treacherous associations.J. Diabetes Metab. Disord. 2021 Jul 1;1(2):31-37.
14. Kaushal K, Kaur H, Sarma P, Bhattacharyya A, Sharma DJ, Prajapat M, Pathak M, Kothari A, Kumar S, Rana S, Kaur M. Serum ferritin as a predictive biomarker in COVID-19. A systematic review, meta-analysis and meta-regression analysis. J Crit Care. 2022 Feb; 67:172-181.
15. Kumar A, **Naithani M**, Kumar N, Singh N, Agrawal S, Sharma A, Thapliyal S, Singh J, Handu S. Piperlongumine inhibits diethylnitrosamine induced hepatocellular carcinoma in rats. Hum Exp Toxicol. 2022 Jan 8;41:09603271211073 593.
16. Roy A, Singh PK, Saha S, Das A, **Naithani M**. Impact of lipid ratio as an objective indicator of mental health status in Indian Individuals with Diabetes mellitus: an observational pilot study.J. Public Health. 2022 Mar 12:1-7.
17. Kathrotia K, Dhamija P, **Naithani M**, kumar H, Varghese A, Bahadur A, Huda F, Gupta M, Kant R, Patil P, Rao S. Adopting the New Normal in Postgraduate Course Summative Assessment for evaluating Clinical Skills: An Experience from India During COVID-19 Pandemic Nation-Wide Lockdown. J Assoc Physicians India. 2022 Mar;70:101-2.
18. Haldar S, Agrawal H, **Saha S**, Straughn AR, Roy P, Kakar SS Overview of follicle stimulating hormone and its receptors in reproduction and in stem cells and cancer stem cellsInternational journal of biological sciences 202218 (2), 675
19. **Saha S**, Singh S, Prasad S,Mittal A, Sharma AK, Chakrabarti S, Gut microbiota and Alzheimer's disease: Experimental Evidence and Clinical Reality, Curr Alzheimer Res . 2021 ; 18(10), 787-801
20. Panda PK, Singh BO, Moirangthem B, Bahurupi YA, **Saha S**, Saini G, Dhar M, Bairwa M, Pai VS, Agarwal A, Sindhwani G, Handu S, Kant R. Antiviral Combination Clinically Better Than Standard Therapy in Severe but Not in Non-Severe COVID-19. Clin Pharmacol. 2021 Sep 29;13:185-195.
21. **Saha S**, Roy P, Corbitt C, Kakar SS. Application of Stem Cell Therapy for Infertility. Cells. 2021 Jul;10(7):1613.
22. Gupta A, Gupta S, Mani R, Durgapal P, **Goyal B**, Rajput D, Rao S, Dhar P, Gupta M, Kishore S, Kant R. Expression of Human epidermal growth factor receptor 2, Survivin, Enhancer of zeste homolog -2, Cyclooxygenase-2, p53 and p16 molecular markers in Gall bladder carcinoma. J Carcinog. 2021 Jun 9;20:7.
23. Rajput S, Gupta R, Patnaik I, Bahurupi YA, Kumar P, **Meena K**, Bhat NK, Rana SV. Retrospective study of Tissue Transglutaminase antibody (ttgA) levels in celiac disease suspected patients at tertiary care hospital in Uttarakhand. 2021. **Acta Medica International**. June 2021;8 (1):75-78
24. Selvanesan BC, Chandra D, Quispe-Tintaya W, Jahangir A, Patel A, **Meena K**, Alves Da Silva RA, Friedman M, Gabor L, Khouri O, Libutti SK, Yuan Z, Li J, Siddiqui S, Beck A, Tesfa L, Koba W, Chuy J, McAuliffe JC, Jafari R, Entenberg D, Wang Y, Condeelis J, DesMarais V, Balachandran V, Zhang X, Lin K, Gravekamp C. *Listeria* delivers tetanus toxoid protein to pancreatic tumors and induce cancer cell death in mice.Sci Transl Med. 2022 Mar 23;14(637): eabc1600. doi: 10.1126/scitranslmed. abc 1600.
25. Sandhu N, Rana SV, **Meena K.** Nuclear Receptor Subfamily 5 group A member 2 (NR5A2): Role in health & diseases. Mol Biol Rep. 2021 Dec;48(12):8155-8170. doi: 10.1007/s11033-021-06784-1

Book published

1. **Saha S**, Parte S, Roy P, Kakar S (2021). Ovarian Cancer Stem Cells: Characterization and Role in Tumorigenesis,. H. Schatten (ed.), Ovarian Cancer: Molecular & Diagnostic Imaging and Treatment

Strategies, Advances in Experimental Medicine and Biology 1330 : chapter 10;151-169. doi: 10.1007/978-3-030-73359-9_10

2. **Goyal B**, Gupta T, Gupta S, Gupta A. (2022). Noncoding ribonucleic acids in gallbladder cancer patients. Clinical Applications of Noncoding RNAs in Cancer. Chapter 12. Pages 391-408 https://doi.org/10.1016/B978-0-12-824550-7.00001-1

10.4 Department of Burns & Plastic Surgery

I) National Publication

1. **Mago V,** Manohar N, Duggal B. Submuscular placement of pacemaker: A new method. J Med Evid 2021;2:166-8

2. Dhar M, Jaishankaraswamy HM, Gupta N, **Chattopadhyay D**. Use of video laryngoscope in a difficult paediatric cleft palate airway: Rescue or primary airway device? Indian J Anaesth. 2021 Oct;65(10):765-766.

3. Praveen AJ, Jagtap MP, **Chattopadhyay D**. Myofibroblastic sarcoma of the

nasal sill presenting as extranasal polyp: An extreme rarity. J Med Evid 2021;2 :179-81.

4. **Vathulya M**, Rao S, Kathrotia R, Naithani M, Bisht M, Varshney S, et al. Factors influencing the success of faculty development programme: Our experience and future recommendations. J Med Evid 2021; 2:125-33.

5. **Vathulya M** et al. A rare case of intraorbital and extra orbital Arterio-venous malformation (AVM) in an infant. Indian Journal of strabismus and pediatric Ophthalmology. 2021(Dec): 106-109

II) International Publication

1 Kundu K, Rawat VS, **Chattopadhyay D.** Gender differences in quality of life and psychological impact of facial burn scars in a tertiary care center. Burns. 2021 Aug;47(5):1153-1160

2 Mahakalkar SS, Choudhury AK, **Vathulya M**, Goyal T, **Chattopadhyay D.** Limb salvage following snakebite using acute limb shortening and secondary lengthening. Int J Crit IllnInj Sci 2021;11:98-101

3 Patil V, Sarkar B, Mir MA, Azam Q, Uniyal M, Kumar A, **Mago V**, Jagne N, Goyal D, Maurya R. Immediate Versus Late Flap Coverage for Traumatic Soft Tissue Defects of Lower Extremity: A Comparative Observational Study. Cureus. 2022 Mar 3;14(3):e22800.

4 Mir MA, **Chattopadhyay D**, Manohar N, **Vathulya M**, **Mago V, Kapoor A,Rao N**. The COVID-19 pandemic impact on clinical load of plastic and reconstructive surgery in a tertiary care hospital of north India: A retrospective comparative analysis. J Educ Health Promot. 2022 Jan 31;11:20

5 **Vishal Mago,** EP.FRI.148. Profile and management of Hand injuries in a tertiary institute, British Journal of Surgery, Volume 108, Issue Supplement_7, October 2021, znab312.030, https://doi.org/10.1093/bjs/znab312.030

6 **Vathulya M**, Dhingra M, Nongdamba H, **Chattopadhyay D**, **Kapoor A**, Dhingra VK, **Mago V,**Kandwal P. Evaluation of pedicled flaps for type IIIB open fractures of the tibia at a tertiary care center. Arch Plast Surg. 2021 Jul;48(4):417-426

7 **Chattopadhyay D**, **Kapoor A**, Gupta S, Gaur N, Gupta S. The Passot Technique Revisited: No Vertical Scar Reduction Mammoplasty in Unmarried Females: A Case Series. World J Plast Surg. 2021 Sep;10(3):84-89

8 Kaul P, Kumari N, **Chattopadhyay D,** et al.Bleeding eyelid with a diagnostic dilemm. BMJ Case Rep 2021;14:e242618.

9 **Vathulya M**, Dhingra M. A successful total femur replacement in an unusual presentation of pathological fracture of shaft of femur and related difficult events during surgery-a case report. Research square. 2022

10 **Vathulya M**, Agrawal M, Mohan L, Kandwal P, Vathulya V. A comparison of structural strength of free and attached earlobes using Young's modulus: A novel method. J Plast Reconstr Aesthet Surg. 2021 Aug;74(8):1931-1971

11 **Vathulya M**, Sarabahi S, Nanda D, Jayaprakash PA. The grey zone in plastic surgery: priorities amidst the COVID 19 pandemic. Arch Plast Surg. 2021 Sep;48(5):572-574.

Book published

1. **Mago V**, Kochhar N. (2021). Rhinophyma Nose: A Review. Recent Developments in Medicine and Medical Research Vol. 6, 12–14. https://doi.org/10.9734/bpi/rdmmr/v6/5048F
2. **Mago V.** (2021). Studies on Eyelid Reconstruction. New Frontiers in Medicine and Medical Research Vol. 9, 70–73. https://doi.org/10.9734/bpi/nfmmr/v9/12327D
3. Mir MA, Arora L, **Mago V.** (2021). Spontaneous Gallbladder Perforation. New Frontiers in Medicine and Medical Research Vol. 3, 92–101. https://doi.org/10.9734/bpi/nfmmr/v3/3486F

10.5 Department of Community & Family Medicine

I) National Publication

1. **Bahurupi Y**, Mahadule A A, Patil P M, **Saxena V**. Augmenting CBME curriculum with artificial intelligence courses – A futuristic approach. Indian Journal of Applied Research. 2022 Jan; 12(01)
2. **Saxena V**, Dhar M, Kalyani V, **Bahurupi Y**, Jain B, Verma N. Coexistence Of Diabetes Mellitus and Hypertension and its Correlates Among Adults in Rural India: A Community-Based Study . J Cardiovasc. Dis. Res. 2021;12(3):1732-1738. doi:10.31838/jcdr.2021.12.03.220
3. Sharma N, **Saxena V**, Naithani M. Dental caries and its association with increasing water fluoride concentration in district Rudraprayag, Uttarakhand. Int J Community Med Public Health. 2021 Aug;8(8)
4. Wasim S, Joshua LM, Ansari MS, **Saxena V**, Huda F. Self-directed Learning Readiness in Undergraduate Medical Students – A Cross-sectional Study. Global Journal for Research Analysis. 2021 July;10(7)
5. Kapoor M, Dhar M, Mirza A, **Saxena V**, Pathania M. Factors Responsible for Uncontrolled Hypertension in the adults over 50 years of age: A Pilot Study from Northern India. Indian Heart Journal, https://doi.org/10.1016/j.ihj.2021.07.003 (Article in press)
6. Sharma N, **Saxena V**, Naithani M, Khan S. Geomedical Assessment of Areas Having Varying Groundwater Fluoride Levels in Rudraprayag District, Uttarakhand. Indian Journal of Public Health Research & Development. 2021 May;12(3):122-127
7. **Saxena V**, Kalyani V, S Kodi M, Dhar M, Verma A, Senkadhirdasan, Saxena P. Control of Blood Pressure in district Dehradun, India: is Rule of Halves Still Valid? Indian Journal of Public Health Research & Development. 2021;12(3): 523-532
8. **Kumari R,** Nath B, **Saxena V,**Semwal P. Referral process in tuberculosis– Human immunodeficiency virus collaborative activities–Need for a relook into policy implementation in Uttarakhand. Journal of Medical Evidence. 2022 Jan 1;3(1):14.
9. Singh A, Chawla O, Verma R, **Saxena V, Kumari R,** Patnaik N, Kumar B, Kumawat D. Refractive Errors and Concomitant Strabismus in Children and Adolescents: A Hospital Based Observational Study. The Official Scientific Journal of Delhi Ophthalmological Society. 2022 Jan 22;32(2):24-9.
10. Nath B, Gupta SD, Kankaria A, **Kumari R.** Cardiovascular morbidity, quality of life, and cost of care among diabetic patients: A comparative study from a Tertiary Care Hospital of Uttarakhand, India. Indian Journal of Community Medicine: Official Publication of Indian Association of Preventive & Social Medicine. 2021 Jul;46(3):459.
11. Khoiwal K, Mishra D, Gaurav A, **Kumari R,** Chaturvedi J. Post-placental versus Interval Insertion of Intrauterine CuT Device: A Prospective Comparative Study. Indian Journal of Health Sciences and Care. 2021;8(2):103-9.
12. Nath L, Mathur M, Ali A, **Aggarwal P**, Mathur N, Verma A. A perspective on Master of Public Health (MPH) Graduates in India: Current role and way head. Indian J Community Health. 2022;34(1):140-3. Available from: https://www.iapsmupuk.org/journal/index.php/IJCH/article/view/2292
13. Sharma N, Kaur A, Sengupta P, **Aggarwal P**. Package Labelling and its understanding among attendees of webinars. EFI Bulletin. 2022: 3(1): 23-29
14. Sharma N, Ghosh N, **Aggarwal P**. FOPL: Need of the hour. EFI Bulletin. 2021;2(3)

:24-26

15. Verma D, **Bahurupi Y**, Kant R, **Singh M, Aggarwal P, Saxena V**. Effect of mHealth interventions on glycemic control and HbA1c improvement among type II diabetes patients in Asian population: A systematic review and meta-analysis. Indian J EndocrMetab 2021;25:484-92.
16. Sharma T, **Aggarwal P, Singh M**. Second hand smoke exposure in pregnant women in Dehradun, Uttrakhand: A cross sectional study. J Family Med Prim Care 2022;11:667-71.
17. Jain B, Garg S, **Aggarwal P, Bahurupi Y, Singh M, Kumar R**. Health budget in light of pandemic: Health reforms from mirage to reality. J Family Med Prim Care 2022;11:1-4.
18. Garg K, Panwar A, Sharma N, **Bahurupi Y, Singh M, Aggarwal P**. Integrating Indian Post and National Tuberculosis Elimination Program- A new way ahead J Comp Health. 2021;9(2):94-96. Doi: https://doi.org/10.53553/JCH.v09i02.008
19. Agarwal S, Yadav R, Diwan N, Yadav S, Kumar S, **Aggarwal P**. Is Life losing its Worth in the eyes of today's Children? A review on Suicidal tendencies. J Comp Health. 2021;9(2):103-105. Doi: https://doi.org/10.53553/JCH.v09i02.01
20. Agarwal S, Semwal P, Yadav R, Semwal BD, Diwan N, Gupta R, Kumar A, **Aggarwal P**. Bidirectional Interaction between Disasters and Public Health. Ind Jour Prev& Soc Med. 2021;52(4):223-5.
21. Bhattacharya S, **Agarwal P**, Bera OP, Saleem SM, Shikha D, Vallabh V, Juyal R, Singh A. COVID-19 and childhood obesity (CO-BESITY) in the era of new normal life: A need for a policy research. J Public Health Res. 2021;10(s2):2673.
22. Rao S, Rohilla K K, Kathrotia R, et al. Rapid Workforce Development to Combat the COVID-19 Pandemic: Experience From a Tertiary Health Care Centre in North India. Cureus 2021;13(6): e15585. DOI 10.7759/ cureus.15585.
23. Garg S, Bhatnagar N, Arora E, **Aggarwal P**. Revisiting Global Health Security Measures in COVID 19 Pandemic. Indian J Comm Health. 2021;33(2):407-410. https://doi.org/10.47203/IJCH.2021.v33i02.035
24. Dhinwa M, Gawande K, Jha N, Anjali M, **Bhadoria AS, Sinha S**. Prevalence of hypertensive disorders of pregnancy in India: A systematic review and meta-analysis. J Med Evid 2021; 2:105-12
25. **Sinha S**, Sharma A, **Khapre M.** Is herd immunity for COVID-19 a promising strategy for India? J Med Evid (2): 48-9.
26. Sharma T, **Khapre M**. Exposure of second hand smoke in women and children: A narrative review. J Family Med Prim Care. 2021 Aug 17;10:1804-7.
27. Verma D, Sharma D, **Khapre M**. Content analysis of educational videos on hand hygiene during COVID-19 pandemic. J Educ Health Promot. 2021 Jul 30;10:278.
28. Arora RK, Mittal RS, **Khapre M**. et al. Graduating from Laboratory to Operating Rooms—the Way Forward for Future Surgeons!. Indian J Surg Oncol (2021). https://doi.org/10.1007/s13193-021-01360-2
29. Sharma D, **Khapre M**, Kaushal P. Evaluation of the Utilization of Food Support Schemes in Urban Poor Population in Rishikesh, Uttarakhand. Natl J Community Med 2021;12(4):76-81. DOI: 10.5455/njcm.20210326105158
30. Yadav P, Kant R, Kishore S, et al. The Impact of Mobile Health Interventions on Antenatal and Postnatal Care Utilization in Low- and Middle-Income Countries: A Meta-Analysis. Cureus 2022;14(1): e21256. doi:10.7759/cureus.21256
31. Sharma M, **Khapre M, Saxena V**, Kaushal P. Polycystic ovary syndrome among Indian adolescent girls – A systematic review and metanalysis. Nepal J Epidemiol. 2021;11(3):1063-1075. DOI: 10.3126/nje.v11i3.38460
32. Dheeraj D, Chauhan U, **Khapre M**, et al. Comparison of Quantitative Computed Tomography and Dual X-Ray Absorptiometry: Osteoporosis Detection Rates in Diabetic Patients. Cureus 2022;14(3): e23131. doi:10.7759/ cureus. 23131
33. Sharma M, Sharma D, Sharma AK, Mohanty A, **Khapre M**, Kalyani C V. Barriers faced by health-care workers in use of personal protective equipment during COVID pandemic at tertiary care hospital Uttarakhand, India: A qualitative study. J Edu Health Promot. 2022;11:74.
34. Anjali M, **Khapre M,** Asha TJ, Rahul A. Modified Kuppuswamy socio-economic status scale with 2016 as base year – An

update for 2021. J Med Evid 2021:2:234-5.

35. Walia R, Arunachalam VS, Chauhan U, **Khapre M,** Arora P. Endothelial dysfunction assessed by brachial artery flow-mediated dilatation predicts severe COVID-19-related disease. Journal of family medicine and primary care. 2022; 11(1), 319–324. https://doi.org/10.4103/jfmpc.jfmpc_281_21
36. Aishwarya M, **Singh M**, Panda PK. Primary to tertiary COVID-19 transmission in a hospital – A cluster outbreak analysis Family Med Prim Care.2021; 10:1489-92.
37. Kant R, Yadav P, **Singh M**, Meena MK. Challenges with the proposed approach in enhancing the accessibility of antimalarial activities during COVID 19 pandemic. Journal of Infection and Public Health.2021;14(8):1089-94.
38. Kant R, Yadav P, Kishore S, Bairwa M, **Singh M**. Is it time to consider shreds of epidemiological and environmental evidence associated with high transmission of COVID-19?. Journal of family medicine and primary care. 2021 ;10(6):2120-5
39. Kumar D, Mathur M, Tanu T, **Singh M**, Kumari N, Mathur M, Lahariya C, Kapoor N, Mohapatra A, Rana RK, Anand P. Setting up an epidemiological surveillance system for vaccine hesitancy outbreaks and illustration of its steps of investigation. Family Medicine and Community Health. 2021;9(3):e001080.
40. **Gehlot MS**, Agarwal A, Sharma S, Chaudhry K, Sharma D. Outlook on Oral Health: A Questionnaire Survey of General Population. National Journal of Community Medicine. 2021; 12(09):267-71.
41. Kumar A, **Singh M,**Semwal BD. COVID-19 vaccination in India: is it in right direction?. Int J Community Med Public Health 2022; 9:1079-83.
42. Sama S, Jain G, Kant R, **Bhadoria AS**, Naithani M, Kumar A. Quantifying the Homeostatic Model Assessment of Insulin Resistance to Predict Mortality in Multi-organ Dysfunction Syndrome. Indian Journal of Critical Care Medicine: Peer-reviewed, Official Publication of Indian Society of Critical Care Medicine. 2021 Dec;25(12):1364.
43. Pandey P, Kumar P, Gupta R, Sharma A, Gupta P, Kalita D, Mathuria YP, Badola M, **Bhadoria AS**. Capacity building workshops for physicians and laboratory technicians under national viral hepatitis control programme, Uttarakhand. J Med Evid 2021;2:276-7.
44. Dua R, Malik S, **Bhadoria AS**, Kumar R. Chair Yoga. J Med Evid 2021;2:262-6.
45. Tendulkar P, Pandey P, Panda PK, **Bhadoria AS,**Kulshreshtha P. Descriptive Epidemiology of COVID-19 Deaths during the First Wave of Pandemic in India: A Single-center Experience. Indian J Crit Care Med 2022;26(1):71–75.
46. Gawande K, Jha N, **Bhadoria AS**, Saxena G, Yadav S. Micro-nutrient deficiencies among children in India. Journal of Medical Evidence. 2021 May 1;2(2):134.
47. Lahariya C, Mishra S, Daniel RA, **Bhadoria AS**, Mishra DK, Smith RD. Prevention and control of cardiovascular diseases in India needs a strengthened and well-functioning primary health care system: A narrative review. Journal of Medical Evidence. 2021 May 1;2(2):140.
48. Chellamuthu L, Boratne AV, Bahurupi YA. Changes in decade-old reference standards by the national institute of nutrition 2020. CHRISMED J Health Res. 2021;8(3):216-20
49. Boratne A, **Bahurupi Y**, Mishra A. Are you vaccinated correctly? – Addressing the concerns surfacing over COVID-19 vaccination in India. Journal of Family Medicine and Primary Care. 2022; 11(1):396-7.
50. Mittal SK, Mittal S, Saraswat NK, Kishore S, Agrawal A, Singh A, Samanta R, **Bahurupi YA**. Burden of ocular morbidities and color blindness among school-attending children in a foothill town of Uttarakhand State. Indian J Ophthalmol. 2022;70(1):249-55.
51. Kumar R, Das A, Singh V, Gupta PK, **Bahurupi YA**. Rapid survey of psychological status of health-care workers during the early outbreak of COVID-19 pandemic: A single-centre study at a tertiary care hospital in Northern India. Journal of Medical Evidence. 2021;2(3):213-8.
52. Kapoor M, Panda PK, Saini LK, **Bahurupi Y**. Disseminated Intravascular Coagulation Score and Sepsis-induced Coagulopathy Score in Prediction of COVID-19 Severity: A Retrospective Analysis. Indian J Crit Care Med. 2021;25(12):1357–63.

53. Boratne AV, Chellamuthu L, **Bahurupi Y**. Strategies in laboratory diagnosis of COVID-19 in India. Indian J Health Sci Biomed Res 2021;14(3):310-4

54. Jha N, Tiwari VK, **Bahurupi Y**, Agarwal SM, Dhinwa M, Kulshreshtha P, et al. Cost of Treatment and Patients' Perspectives about Functioning of Pradhan-Mantri Jan Arogya Yojana in a Tertiary Care Hospital in Uttarakhand. Health and Population: Perspectives and Issues. 2021:44(2):73-84.

55. **Bahurupi YA**, Chellamuthu L, Vasudevan K. Men's involvement in women's reproductive health: A community-based mixed-method study. Indian J Public Health. 2021;65(3):261-8.

56. Vasudevan J, Dsouza MJ, Boratne AV, **Bahurupi YA**. Practical challenges in following hand hygiene guidelines during the COVID-19 pandemic: an Indian perspective. International Journal of Community Medicine and Public Health. 2021;8(8):4078-81

57. Bairwa M, Kumar R, Beniwal K, Kalita D, **Bahurupi Y**. Hematological profile and biochemical markers of COVID-19 non-survivors: A retrospective analysis. Clin Epidemiol Glob Health. 2021;11:100770.

58. Rathinam RD, Singh A, Chopra M, Bharathi M, Mathiyalagen P, **Bahurupi Y**, et al. Spectrum of Self-Reported Childhood Sexual Abuse Among Medical Students: A Single Center Experience. Indian Pediatr. 2021;58(6):564-7.

59. Rajput S, Gupta R, Patnaik I, **Bahurupi Y**, Kumar P, Meena K, et al. Retrospective study of tissue transglutaminase antibody levels in celiac disease-suspected patients at tertiary care hospital in Uttarakhand. Acta Med Int 2021;8(1):75-8

60. Mishra A, Boratne AV, **Bahurupi Y**. Vaccine hesitancy over the upcoming COVID-19 vaccine - A thought-provoking concern with regards to the present scenario. Indian J Med Microbiol. 2021;39(3):392.

61. Sharma P, Gangakhedkar MR, **Bahurupi YA**, Gupta PK, Prakash V, Dua R, et al. Impact of COVID-19 pandemic on individual hand hygiene infection control practices among healthcare workers: A questionnaire-based survey. J Med Evid 2021;2(2):120-4

ii) International Publication

1. Goyal R, Singhai M, Mahmood T, **Saxena V**. Association between the physical activity and metabolic syndrome in residents of a foot-hill area in India. Diabetes & Metabolic Syndrome: Clinical Research & Reviews. 2022 Mar 23:102471

2. Dhar M, Kaeley N, Mahala P, **Saxena V**. The Prevalence and Associated Risk Factors of Fear of Fall in the Elderly: A Hospital-Based, Cross-Sectional Study. Cureus 2022 March 25: 14(3): e23479. doi:10.7759/cureus.23479

3. **Saxena V**, **Bahurupi Y**, Mishra A, et al. Strength, Weakness, Opportunities, and Threats (SWOT) Analysis of Virtual Outpatient Department Under Telemedicine Department During the COVID-19 Pandemic. Cureus. 2022 Feb 22: 14(2): e22476. doi:10.7759/cureus. 22476

4. Upadhyay V, Saoji AA, Verma A, **Saxena V**. Development and validation of 20-min yoga module for reducing burnout among healthcare worker (s). Complementary Therapies in Clinical Practice. 2022 Jan 31:101543

5. Jelly P, K Sharma S, **Saxena V**, Arora G, Sharma R. Exploration of Breastfeeding Practices in India: A Systematic Review. Journal of Holistic Nursing and Midwifery. 2022 Jan 10;32(1):58-68. URL: http://hnmj.gums.ac.ir/article-1-1793-en.html

6. Sharma R, Jelly P, Vishwas AS, Chadha L, **Saxena V**, Mohan L. A comparative study of attitudes towards COVID-19 vaccination in the rural and urban population of Uttarakhand, India. Journal of Global Health Economics and Policy. 2021 Dec 8;1

7. Verma A, Upadhyay V, **Saxena V.** Effect of Yoga Therapy on Health Outcomes in Women with Polycystic Ovary Syndrome: A Systematic Review and Meta-Analysis. American Journal of Lifestyle Medicine. 2021.https://doi.org/10.1177/15598276211029221

8. Kumar A, Negi M, Khanka J, Dhingra M, **Kumari R**, Dhingra VK, Gupta MK. Initial experience with use of infrared assistance for intravenous injection of radiopharmaceuticals. World Journal of Nuclear Medicine. 2021 Apr;20(2):172.

9. Jain S, Dhingra VK, Kant R, **Kumari R.**

Comparison of gastric motility in patients of type 2 diabetes mellitus with various degrees of glycemic control. World Journal of Nuclear Medicine. 2021 Oct;20(4):336.

10. Khoiwal K, Agarwal A, Gaurav A, **Kumari R**, Mittal A, Sabnani S, Mundhra R, Chawla L, Bahadur A, Chaturvedi J. Obstetric and perinatal outcomes in pregnant women with COVID-19: an interim analysis. Women & health. 2022 Jan 2;62(1):12-20.
11. Khoiwal K, Kalita D, Kumari R, Dhundi D, Shankar R, **Kumari R**, Gaurav A, Bahadur A, Panda PK, Tomy A, Chaturvedi J. Presence of SARS-CoV-2 in the lower genital tract of women with active COVID-19 infection: A prospective study. International journal of gynaecology and obstetrics: the official organ of the International Federation of Gynaecology and Obstetrics. 2022 Feb 26.
12. Khoiwal K, Agarwal A, Gaurav A, **Kumari R**, Mittal A, Sabnani S, Mundhra R, Chawla L, Bahadur A, Chaturvedi J. Obstetric and perinatal outcomes in pregnant women with COVID-19: an interim analysis. Women & health. 2022 Jan 2;62(1):12-20.
13. Barik AK, Agrawal S, Gupta P, **Kumari R**. Evaluation of equiosmolar 20% mannitol, 3% hypertonic saline and 8.4% sodium bicarbonate on intraoperative brain relaxation and hemodynamic parameters in patients undergoing craniotomy for supratentorial tumors: a prospective randomized study. Minerva anestesiologica. 2021 Sep 1;87(9):997-1005.
14. Rai, A., Sharda, P., Agarwal, P., Ravi, B. Study of Diagnostic Delay among Symptomatic Breast Cancer Patients in Northern India: A Mixed-Methods Analysis from a Dedicated Breast Cancer Centre. Asian Pacific Journal of Cancer Prevention, 2022; 23(3): 893-904. doi: 10.31557/APJCP.2022.23.3.893
15. **Aggarwal P.** Assessment of Compliance to Indian Tobacco Control Legislation in Northern Hilly State of India, International Journal of Epidemiology. 2021; 50(S1):168.013 https://doi.org/10.1093/ije/dyab168.013
16. Wahab S, Muzammil K, Nasir N, Hasan A, Siddiqui Z, **Aggarwal P**, Nasir S. Agents of mucormycosis outbreak associated with COVID-19. Ann. Phytomed.2021;10(2): S41-S55. http://dx.doi.org/10.21276/ap.covid19.2021.10.2.5
17. Rao S, Rohilla K K, Kathrotia R, et al. Rapid Workforce Development to Combat the COVID-19 Pandemic: Experience From a Tertiary Health Care Centre in North India. Cureus 2021;13(6): e15585. DOI 10.7759/cureus.15585.
18. Jain B, Khan A, Verma N**, Bahurupi Y, Singh M, Aggarwal P**. Hacking Covid-19 with technology. Int J Prev Med 2021; 12:73
19. Agarwal S, Semwal P, Yadav R, Semwal BD, Diwan N, Gupta R, Kumar A, **Aggarwal P**. Bidirectional Interaction between Disasters and Public Health. Ind Jour Prev& Soc Med 2021Dec.30;52(4): 223-5. Available from: http://ijpsm.co.in/index.php/ijpsm/article/view/397
20. **Kumar S**, Kant R, Yadav P, Natarajan K, **Bahurupi Y**, Mishra A. A Community-Based Study on Waist-to-Height Ratio: An Indicator for Systolic Hypertension in a Rural Community of Hilly Region. Cureus. 2021 Jun 29;13(6):e16014.
21. Arora RK, Mittal RS, **Khapre M** et al. Graduating from Laboratory to Operating Rooms—the Way Forward for Future Surgeons!. Indian J Surg Oncol (2021). https://doi.org/10.1007/s13193-021-01360-2
22. Chandra R, **Sinha S**. India Fighting COVID-19: Experiences and Lessons Learned from the Successful Kerala and Bhilwara Models. Disaster Med Public Health Prep 2021; 19:1-5
23. **Khapre M, Sinha S**, Kaushal P. Effectiveness of Integrated Google Classroom, Reciprocal Peer Teaching and Flipped Classroom on Learning Outcomes of Research Methodology: A Natural Experiment. Cureus. 2021;13(7):e16176
24. Naithani M, **Khapre M,**Kathrotia R, Gupta PK, Dhingra VK, Rao S. Evaluation of Sensitization Program on Occupational Health Hazards for Nursing and Allied Health Care Workers in a Tertiary Health Care Setting. Front Public Health. 2021 Jun 16;9:669179.
25. **Khapre M**, Deol R, Sharma A, Badyal D. Near-Peer Tutor: A Solution For Quality Medical Education in Faculty Constraint Setting. Cureus. 2021 Jul 16;13(7):e16 416.
26. Bhatnagar T, Chaudhuri S, Ponnaiah M et al. Effectiveness of BBV152/Covaxin and AZD1222/Covishield Vaccines Against

Severe COVID-19 and B. 1.617. 2/Delta Variant in India, 2021: A Multi-Centric Hospital-Based Case-Control Study

27. **Bhadoria AS**, Mohapatra A. Alcohol-related cirrhosis and liver cancer: a call for inclusion in non-communicable disease action plans. The Lancet Gastroenterology & Hepatology. 2021 Dec 1;6(12):982.
28. Bahuguna G, Panwar VK, Mittal A, Talwar HS, Mandal AK, **Bhadoria AS**, Chapple C. Management strategies and outcome of ureterovaginal fistulae: A systematic review and meta-analysis. Neurourol Urodyn. 2022 Feb;41(2):562-572.
29. **Bhadoria AS**, Gawande KB, Kedarisetty CK, Rewari BB, Pathak VK, Pandey P, Gupta R. Prevalence of Hepatitis B and C Among Prison Inmates in India: A Systematic Review and Meta-Analysis. Cureus. 2021 Nov 17;13(11).
30. **Bhadoria AS**, Khwairakpam G, Grover GS, Pathak VK, Pandey P, Gupta R. Viral Hepatitis as a Public Health Concern: A Narrative Review About the Current Scenario and the Way Forward. Cureus. 2022 Feb 4;14(2):e21907.
31. Singh A, Patnaik N, Mittal SK, **Bhadoria AS**, Panyala R, Samanta R, Kumar B, Chawla O. Factors Determining Improvement in Stereopsis and Binocularity After Good Postoperative Alignment in Patients With Childhood-Onset Strabismus. Cureus. 2022 Feb 6;14(2):e21964
32. Kulshreshtha P, **Bahurupi Y**, Dhar M, Sharma S, Kathrotia R, Rao S, et al. Preparedness of Undergraduate Medical Students to Combat COVID-19: A Tertiary Care Experience on the Effectiveness and Efficiency of a Training Program and Future Prospects. Cureus 14(3): e22971.
33. Shankar T, Kaeley N, Nagasubramanyam V, **Bahurupi Y**, Bairwa A, Infimate DJL, et al. An Evaluation of the Predictive Value of Sepsis Patient Evaluation in the Emergency Department (SPEED) Score in Estimating 28-Day Mortality Among Patients with Sepsis Presenting to the Emergency Department: A Prospective Observational Study. Cureus. 2022; 14(2): e22598.
34. Bahadur A, Arora H, Ravi AK, Naithani M, **Bahurupi Y**, Chaturvedi J, et al. Comparison of Clinical, Metabolic and Hormonal Effects of Metformin Versus Combined Therapy of Metformin with Myoinositol Plus D-Chiro-Inositol in Women with Polycystic Ovary Syndrome (PCOS): A Randomized Controlled Trial. Cureus. 2021;13(6):e15510.
35. Chandra R, Kumar S, **Bahurupi Y,** Rawat VS. The Association of Problematic Online Gaming Behavior with Mental Well-Being and Depressive Symptoms Among Students of Professional Colleges in Rishikesh. Cureus.2022;14(2): e22007.
36. Kumar R, Beniwal K, **Bahurupi Y**, Kant R, Bairwa M. Determinants of COVID-19 Vaccination Willingness among Health Care Workers: A Quick Online Survey in India. Korean J Fam Med. 2021;42(6):445-52.
37. Parchani A, Vidhya K, Panda PK, Rawat VS, **Bahurupi YA**, Kalita D, et al. Fear, Anxiety, Stress, and Depression of Novel Coronavirus (COVID-19) Pandemic Among Patients and Their Healthcare Workers - A Descriptive Study. Psychol Res BehavManag. 2021; 14:1737-46.
38. Panda PK, Singh BO, Moirangthem B, **Bahurupi YA**, Saha S, Saini G, et al. Antiviral Combination Clinically Better Than Standard Therapy in Severe but Not in Non-Severe COVID-19. Clin Pharmacol. 2021; 13:185-95.
39. Singh A, Gupta P, Mathuria YP, Kalita D, Prasad A, Panda PK, **Bahurupi Y**, et al. Comparative Evaluation of Nasopharyngeal and Oropharyngeal Swab Based Rapid SARS-CoV-2 Antigen Detection and Real-Time RT-PCR for Diagnosis of COVID-19 in Tertiary Care Hospital. Cureus. 2021;13(7):e16785
40. Deka S, Barua D, **Bahurupi Y**, Kalita D. Assessment of the Prevalence of Soil-Transmitted Helminth Infections and Associated Risk Factors among School-Aged Children in a Flood Affected Area of Northeast India. Am J Trop Med Hyg. 2021;105(2):480–9.
41. Kumar S, Kant R, Yadav P, Natarajan K, **Bahurupi Y**, Mishra A. A Community-Based Study on Waist-to-Height Ratio: An Indicator for Systolic Hypertension in a Rural Community of Hilly Region. Cureus. 2021;13(6):e16014.
42. Kant R, Yadav P, Garg M, **Bahurupi Y**, Kumar B. Safety and Efficacy of Long-Acting Insulins Degludec and Glargine Among Asian Patients with Type 2 Diabetes Mellitus: A Meta-Analysis. Cureus. 2021;13(6):e16046.

43. Bairwa M, Kumar R, Ajmal M, **Bahurupi Y**, Kant R. Predictors of critical illness and mortality based on symptoms and initial physical examination for patients with SARS-CoV-2: A retrospective cohort study. J Infect Public Health. 2021;14(8): 1028-34.

44. Bahadur A, Kumawat M, Chawla L, Kapur D, **Bahurupi Y**, Mundhra R. Robotic-Assisted Hysterectomy for Benign Indications of Uteri Less Than Fourteen Weeks Size Versus More Than Fourteen Weeks Size: A Comparative Study. Cureus. 2021;13(5):e15263.

45. Agarwal M, **Bahurupi YA,** Panda PK. COVID-19 Diagnosis in Asymptomatic: RT-qPCR or any other Cost-Effective Method? American Journal of Infectious Diseases.2021;12(2):97-100.

Book published

1. Shetty P, **Khapre M**. Short notes in Community Medicine , third edition , National book depot Publisher , Mumbai

कोरोनासेबचाव : एक सजग पहल ISBN :- 978-93-93046-05-5

10.6 Department of CTVS

I) National Publication

1. Sharma SK, Sadhanu H, Naithani M, **Darbari A**, Bharadwaj J, Sharma M. Awareness and attitude about heart transplantation among undergraduate nursing students: An institution-based survey in India. Acta Med Int 2020;7:76-80.

2. Bharadwaj J, Sharma SK, **Darbari A**, Patil P. Immunization and vaccination of children during current COVID-19 pandemic: Impact and recommendation guidelines for India. J Family Med Prim Care 2020;9:5411-2.

3. **Gupta A**, **Darbari A**, **Gaur N**, Kumar A, **Lahiri R,** Satsangi DK, et al. Pediatric cardiac surgery in the hills: A curvy road. J Pract Cardiovasc Sci 2020;6:199-203.

4. **Darbari A**, Naithani M, Sharma SK, **Gupta A**, Kumar A, Satsangi DK. Current knowledge status and attitude on heart transplantation among undergraduate medical students of a tertiary care medical institute in India. Indian J Transplant 2020;14:30-7.

5. Joseph AG, **Lahiri R**, Sengupta G. A Study On Safety and Efficacy of Otaki Technique in Very Small Aortic Root. Global Journal for Research Analysis. 2020;9(7):1-2

6. **Lahiri R**, Chauhan U. Extra-cardiac collateral to an anomalous origin right coronary artery in a post-PTCA, post-CABG patient. Indian J Thorac Cardiovasc Surg. 2021;37(4):451-453

7. **Gupta A**, Gupta B, Ahluwalia P. Paradigm shift in medical education. Indian J Clin Anaesth 2021;8(1):148-149.

8. **Gupta A,**Rajashekar P. Unicuspid aortic valve with bilateral superior vena cavae, abnormal coronary anatomy, and right ventricular clot: A rare case report. J Pract Cardiovasc Sci 2020;6:296-8

9. Kumar A, Gupta B, **Gupta A,**Adabala V, Panda S, Kant R. Safe anaesthesia practices in a budding institute: How far have we reached? J Med Evid 2020;1:96-9

10. **Gupta A,** Gupta B. Jal Neti sample for covid detection: A novel hypothesis. Indian J Otolaryngol Head Neck Surg. 2021; 73(1): 104–106.

II) International Publication

1. Kumar A, Gupta P, Gunnam P R, **Darbari A**. Neuraxial hematoma following lumbar cerebrospinal fluid drainage in thoracic endovascular aortic repair. Heart Mind. 2021;5:23-5.

2. **Darbari A**, Singh D, Patil PL, Kumar B. Emergency mitral valve replacement in dextrocardia with situs inversus totalis: Surgeon's dilemma of mirror image. Heart Mind 2021;5:19-22.

3. Dev R, Khorwal G, **Darbari A**. Demystifying Penetrating Atherosclerotic Ulcer of Aorta: Unrealised tyrant of Senile Aortic changes". J Cardiovasc Thorac Res. 2021;13(1): 1-14.

4. **Darbari A**, **Lahiri R**, Mishra M, Kumar A, Gautam S, Kumar N. Management of Pulmonary hydatid cyst with pleural complications: Case series. European Medical Journal-Respiratory reviews.

EMJ. 2021; DOI/10.33590/emj/20-00179. https://doi.org/10.33590/emj/20-00179.

5. Naithani M, Saha S, Mathew A, Bharadwaj J, Kant R, **Darbari A**. A cross-sectional study to assess and correlate serum levels of visfatin with insulin resistance amongst newly diagnosed diabetes mellitus, metabolic syndrome, and pre-diabetes patients. Recent Adv Biol Med. 2020; 6(4): 1222516.
6. Gautam S, Patil PL, Sharma R, **Darbari A**. Simultaneous multiple organ involvement with hydatid cyst: left lung, liver and pelvic cavity. BMJ Case Rep. 2021;14(1): e241094.
7. **Gupta A**, **Darbari A**, Mishra A. Excision of a left atrial myxoma with mitral and tricuspid valve repair. Multimed Man Cardiothorac Surg. 2020 Dec;2020. doi: 10.1510/mmcts.2020.080.
8. Kumar B, Kodliwadmath A, Singh A, Upadhyay A, **Darbari A**, Duggal B. Left ventricular tamponade- pathophysiology determines the therapeutic approach: a case series. European Heart Journal - Case Reports. 2021;5(2)
9. **Gupta A,** Singh SK, **Darbari A**, Soumya DS, Mani R. Morgagni-Larrey parasternal diaphragmatic hernia masquerading as pleural effusion: an interesting presentation with review of literature. Int Surg J 2020;7:2450-3.
10. **Darbari A**, Singh D, **Gupta A**, Kumar B. Coronary artery bypass graft surgery in a rare case of coronary artery anomaly – Single coronary artery originating from the right aortic sinus. Int J Cardiovasc Acad 2020;6:86-8.
11. **Lahiri R**, Dutta S. A rare case of left sided uncomplicated morgagni hernia in an adult: left sided uncomplicated morgagni hernia. International Journal of Medical and Biomedical Studies. 2021; 5(1)
12. **Lahiri R, Gaur N.**Mechanophysiologically active patch for closure of atrial septal defect. BMJ Case Rep 2020;13: e237785
13. **Lahiri R**, Chauhan U, Kumar A, PuliyathN. Undiagnosed bilateral complete cervical rib with subclavian artery aneurysm presenting as acute ischaemic limb following high-altitude expedition. BMJ Case Reports CP 2021;14:e241194.
14. **Gupta A**. Common Atrium with Cleft AML and Left superior Vena Cava Draining Into Left Atrium and Midline Inferior Vena Cava. October 2020 doi:10.25373/ctsnet. 13053044
15. **Gupta A**, Mishra A, Shrivastava Y. Repair of intracardiac total anomalous pulmonary venous return. March 2021. DOI: 10.1510/mmcts.2021.015

10.7 Department of Cardiology

I) International Publication

1. Kodliwadmath A, Nanda N, **Duggal B, Kumar B**, Mondal D, Bhat S. Comparative study of acute coronary syndrome in postmenopausal women and age-matched men: A prospective cohort study in Southern India. Ann Afr Med. 2022 Jan-Mar;21(1):8-15
2. **Duggal B**, PAL S, Duggal M. Out of Pocket Expenditure for In-Patient Care of Cardiovascular Disease in India: A Gender-Based Analysis Using National Sample Survey Data, Circulation 144 (Suppl_1), A12031-A12031-Abstract
4. Chauhan G, **Duggal B**, Gore P, Ola R. Heart Failure, India and West-A Major Etiological Difference Circulation 144 (Suppl_1), A11029-A11029-Abstract
5. **Duggal B**, Chourase M, Sharma N, Duggal M, Gedam P, Saunik S. Audit of Percutaneous Coronary Intervention Use in St-Elevation Myocardial Infarction Under the Indian National Health Insurance Program Ayushman Bharat, Circulation 144 (Suppl_1), A10414-A10414-Abstract
6. Kodliwadmath A, **Duggal B**, Ray IB, Singh A, Nanda N, Hiremath B. A randomised, controlled trial of meditation and yoga in permanent atrial fibrillation: the MAYA study European Heart Journal 42 (Supplement_1), ehab724. 0333
7. Taneja N, **Duggal B,** Duggal M, et al. Association Of Different Socio-Economic Factors On Hypertension Prevalence In India-Secondary Analysis Of NSS Data. J Am Coll Cardiol. 2021 May, 77 (18_Supplement_1) 1653. https://doi.org/10.1016/S0735-1097(21)03009-6
8. Kodliwadmath A, Shrivastava Y, **Duggal B,**Khanra D, Nanda N. Heart failure in tetralogy of fallot due to associated

hypertrophic obstructive cardiomyopathy: A lesson to learn. J Cardiovasc Echography 2021;31:35-8

10.8 Department of Dermatology,Venereology and Leprology

I) National Publication

1. **Hazarika N**, Dhanta A, **Bhatia R.** Retinoid acid syndrome in a case of pustular psoriasis treated successfully with pulsed steroids. J Med Evid 2021; 2:92-3.
2. Taneja G, Batra A, Melanda H, **Hazarika N.** Clinico-pathological and dermoscopic features in acrodermatitis continua of hallopeau. Indian J Dermatol 2021;66: 543-4.
3. Batra A, **Hazarika N.** Fixed drug eruption (FDE) secondary to paracetamol. Cosmo Derma 2022;2:17.
4. **Bhatia R**, Arava S, Gupta V. Unilateral chilblains affecting the lower limb with post-polio residual paralysis: An example of immunocompromised cutaneous district. Indian J Dermatol VenereolLeprol 2021;87:558-9.

II) International Publication

1. Taneja G, Das A, **Kansal NK, Hazarika N.** Increased Prevalence of Alcohol Use Disorder (AUD) in Psoriasis and Dermatitis (Eczema). SKINmed. 2021;19:120–126
2. Arora K, Dhanta A, **Hazarika N,** Joshi P. The convergence of extragenital lichen sclerosus with generalized vitiligo – an unusual presentation. Pigment Int 2021;8: 55-8.
3. Vathulya M, **Hazarika N**, **Bhatia R**, Praveen AJ. Pigmentation in plexiform neurofibroma following Blaschko's lines: A new observation. J CutanAesthetSurg 2021;14:381-3.
4. **Kansal NK**, **Hazarika N.** The pattern of medication used by acne patients: Study from a tertiary care center of North India. Turk J Dermatol 2021;15:40-3.
5. **Hazarika N,** Gupta P K, Dhanta A, et al. Renaissance of Hansen's disease in post elimination era in North India: A retrospective Clinico-bacteriological study . Cureus (): e. doi:10.7759/cureus.
7. Devi GC, **Hazarika N.** BMJ Case Rep 2021;14:e248000. doi:10.1136/bcr-2021-248000
8. Dhiman A, Sangwan P, **Hazarika N**, Durgapal P. Graham-little-piccardi-lassueur syndrome with concomitant mucocutaneous lichen planus: rare presentation in a man. Dermatol Pract Concept. 2022;12(1):e2022042. DOI: https://doi.org/10.5826/dpc.1201a42
9. **Bhatia R**, **Hazarika N,** Chandrasekaran D, Gupta V, Durgapal P, Kishore S. Treatment of Posttraumatic Reactive Angioendotheliomatosis With Topical Timolol Maleate. JAMA Dermatol. 2021;157(8): 1002–1004.
10. **Kansal NK**. Gynecologic and obstetric implications of Darier's disease: A dermatologists' perspective. Cutis. 2021 Apr; 107(4): 180-181.
11. **Kansal NK**, Kumar A. Psoriasis alba (white psoriasis) of the perianal region. Skinmed. 2021 Oct 1;19(5):390-391.
12. Yumnam D, **Kansal N**, Kant R. Association of Psoriasis with Thyroid Disorders: A Hospital-Based, Cross-Sectional Study. Cureus. 2022 March 9; 202214(3): e22987.
13. Taneja G, **Bhatia R**. Penile ulcers and varioliform scars BMJ 2021; 373:n1017 doi:10.1136/bmj.n1017
14. **Bhatia R**, Dev T, Kandasamy D, Arava S, Sethuraman G. Antiparasitic agents in disseminated cysticercosis: a double-edged sword. Int J Dermatol. 2021;60(12): e512-e514

Book published

1. **Hazarika N**. Chapter Photochemotherapy in "Systemic Drugs in Dermatology, 2nd edition" authored by Kabir Sardana. Jaypee Brothers

10.9 Department of Dentistry

I) National Publication

Kaushal D, Reddy SG, Biswas KP, **Dixit A,**Chowdhry R, **Chug A**. Apical extrusion of debris with root canal instrumentation in primary teeth: A systematic review. J Indian Soc PedodPrev Dent. 2022 Jan-Mar;40(1):9-18.

II) International Publication

1. Neeraj, Reddy SG, **Dixit A,** Agarwal P, Chowdhry R, **Chug A**. Relapse and temporomandibular joint dysfunction (TMD) as postoperative complication in skeletal class III patients undergoing bimaxillary orthognathic surgery: A systematic review. J Oral BiolCraniofac Res. 2021;11(4):467-475.
2. Bansal A, Nagori SA, **Chug A**, **Dixit A**, Chowdhry R, Reddy SG. Reconstruction options in pediatric population with hemi or total mandibulectomy defects: A systematic review. J Oral BiolCraniofac Res. 2022 Mar-Apr;12(2):238-247.
3. Bansal A, Reddy GS, **Chug A**. Medication-related osteonecrosis of jaw and rheumatoid arthritis: Revisiting the concepts. J Med Evid 2021;2:228-33
4. Wakhloo T, Reddy SG, Sharma SK, **Chug A**, **Dixit A,** Thakur K. Silver Diamine Fluoride Versus Atraumatic Restorative Treatment in Pediatric Dental Caries Management: A Systematic Review and Meta-analysis. J Int Soc Prev Community Dent. 2021;11(4):367-375.
5. Gosla Reddy S, Bansal A, Sharma N, **Chug A**. Modified anterior maxillary distraction using "Winged Osteotomy": A technical note. J Oral BiolCraniofac Res. 2021;11(3):435-437.

Book published

Dixit A, Dixit S. Case reports on Surgical Lengthening of the Clinical Crown. Chapter 7, Print ISBN: 978-93-91595-08-1, eBook ISBN: 978-93-91595-17-3 DOI: 10.9734/bpi/nfmmr/v8/3561F New frontiers in medicine and medical research (International Book)

10.10 Department of Emergency Medicine

I) National Publication

1. **Kaeley N**, Baid H, Chawang H, **Vempalli N**. Intractable hypocalcemic seizures with neuropsychiatric symptoms- An under-diagnosed case. J Family Med Prim Care 2021;10:2032-4.
2. Khandelwal H, Negi A, Govil N, Singh A, Parag K, *Bhardwaj BB*. Comparative evaluation of analgesic efficacy of buprenorphine transdermal patch and fentanyl patch in management of postoperative pain after arthroscopic lower limb surgery: A randomized controlled trial. J Anaesthesiol Clin Pharmacol. 2021 Apr-Jun;37(2):272-278.
3. Swain SK, Arora RK, Sharma SK, Nandolia K, Basu G, Rekhapalli R, **Arora P**, Rajpal G, Sherwani P, Saxena S, Mittal RS. Vertebral arteriovenous fistula in neurofibromatosis type 1. J Neurosurg Sci. 2022 Feb;66(1):54-61
4. Arora RK, Mittal RS, Aggarwal SP, **Arora P**. Graduating from laboratory to operating rooms: the way forward for future surgeons. Indian journal of surgical oncology. 2021 https://doi.org/ 10.1007/s 13193-021-01360-2
5. Anilakumari D, **Arora P**, Gupta P, Arora RK. Partial occlusion of left axillary artery in a patient undergoing robot-assisted radical cystectomy. J Minim Access Surg. 2022 Jan-Mar;18(1):142-144

10.11 Department of Forensic Medicine

I) National Publication

1. Sharma R, Bisht R, Tikka SK, **Bhute AR, Bastia BK**. COVID-19 in India: Vulnerable migrant population and an added menace of substance abuse. Ind Psychiatry J. 2021 Jul-Dec;30(2):364-365.

II) International Publication

1. Sharma R, Tikka SK, **Bhute AR, Bastia BK**. Adherence of online surveys on mental health during the early part of the COVID-19 outbreak to standard reporting guidelines: A systematic review. Asian J Psychiatr. 2021;65:102799.
2. Sharma R, Tikka SK, Yadav AK, **Bhute AR**, Dhamija P, **Bastia BK**. Cerebrospinal fluid monoamine metabolite concentrations in suicide attempt: A meta-analysis. Asian J Psychiatr. 2021 Aug;62:102711.
3. Saxena V, Bahurupi Y, Mishra A, Singh A, **Parate S**, Sandhu H. Strength, Weakness, Opportunities, and Threats (SWOT) Analysis of Virtual Outpatient Department Under Telemedicine Department During the COVID-19 Pandemic. Cureus. 2022; 14(2): DOI 10.7759/cureus.22476
4. Debbarma S, **Bhute A**, Vaibhav V, **Parate S**. Fatal wild leopard attack injuries in Uttarakhand, India. Medico-Legal Journal 2021; DOI: 10.1177/00258172211057370
5. Shukla PK, Sharma R, **Meshram R,** Das A, **Bastia BK**. A cross-sectional study to assess the cardiovascular risk of chronic cannabis smoking through electrocardiograph (ECG): ECG changes among cannabis, tobacco & non-smokers. Emerg Trends Drugs Addict Health. 2021;1:100026
6. Vaibhav V, **Meshram R,**Kalonia T. An Unusual Encounter of Skin Condition Mimicking AcrokeratosisParaneoplastica (Bazex Syndrome).Cureus 13(9): e17849. doi:10.7759/cureus.17849.
7. Singh D, Tiwari RC, Kumar A, **Bhute AR, Meshram RP**, Dikshit M, Sharma VB, Mittal B. A Comprehensive Review of Pathological Examination in Forensic Medicine: Past, Present, and Future. Cureus. 2022 Mar 1;14(3):e22740.
8. Singh V, Supehia S, Gupta PK, Narula H, Sharma M, Devi K, **Bhute AR**. Effectiveness of video modules in infection control trainings during COVID-19 pandemic: A quasi-experimental study in tertiary care institute. J Educ Health Promot. 2021 May 31;10(1):183.

10.12 Department of Gastroenterology

I) National Publication

1. Kumar BGV, Sethy PC, **Gupta R**. A rare etiology of persistent jaundice in type 1 autoimmune hepatitis. Arch Clin Cases. 2021 Dec 29;8(3):37-41.
2. Bhadoria A S, Gawande K B, Kedarisetty C K, et al. Prevalence of Hepatitis B and C Among Prison Inmates in India: A Systematic Review and Meta-Analysis. Cureus. 2021; 13(11): e19672. DOI 10.7759/cureus.19672
3. Pandey P, Kumar P, **Gupta R**, **Sharma A**, Gupta P,Kalita D, et al. Capacity building workshops for physicians and laboratory technicians under National Viral Hepatitis Control Programme, Uttarakhand. J Med Evid 2021:2:276
4. **Sharma A, Patnaik I,** Kumar A, **Gupta R.** COVID-19 Vaccines in Patients With Chronic Liver Disease. J Clin Exp Hepatol. 2021 Nov-Dec;11(6):720-726.
5. **Patnaik I**,Patel N. Yoga for COVID -19. Journal of Family Medicine and Primary Care. 2021;10 (11):4336. doi 10.4103/ jfmpc.jfmpc_1837_21
6. **Sharma A**, Kumar A, **Patnaik I**. Plasma Exchange as a Rescue Therapy for Acute Liver Failure. Journal of Clinical and Diagnostic Research. 2021;15 (9):OD 07-OD09
7. Kumar SE, Goel A, Zachariah U, Nair SC, David VG, Varughese S, Gandhi PB, Barpha A, **Sharma A,**Vijayalekshmi B, Balasubramanian KA, Elias E, Eapen CE. Low Volume Plasma Exchange and Low Dose Steroid Improve Survival in Patients With Alcohol-Related Acute on Chronic Liver Failure and Severe Alcoholic Hepatitis - Preliminary Experience. J Clin Exp Hepatol. 2022 Mar-Apr;12(2):372-378
8. Keshava SN, Moses V, **Sharma A**, et al.

Indian J Radiol Imaging. 2021 Nov 30;31(4):858-866. doi: 10.1055/s-0041-1735928.

II) International Publication

1. Rajput S, **Gupta R, Patnaik I,**Bahurupi Y, Kumar P, Meena K, et al. Retrospective study of tissue transglutaminase antibody levels in celiac disease-suspected patients at tertiary care hospital in Uttarakhand. Acta Med Int 2021;8:75-8
2. Gupta R, **Gupta R**, Kumar N, Rawat VS, Ulfberg J, Allen RP. Restless legs syndrome among subjects having chronic liver disease: A systematic review and meta-analysis. Sleep Med Rev. 2021 Aug;58:101463.
3. Chatterjee K, Kalita D, Omar BJ, **Gupta R,** Jha MK, Gupta P. Hepatitis C virus subtyping in Uttarakhand, India: a comparative study. Virus disease. 2021 Sep;32(3):576-581
4. Chatterjee K, **Gupta R**, Omar BJ, Gupta P, Kalita D. Genotypic distribution of hepatitis C virus in Uttarakhand. Indian J Med Microbiol. 2021 Oct-Dec;39(4):479-483.
5. Kumar A, **Sharma A**, Mohan Y, **Patnaik I**, Kumar A, Khoiwal K, Negi G, **Gupta R.** Therapeutic plasma exchange in acute fatty liver of pregnancy: a case report and literature review. Pan Afr Med J. 2021 Dec 13;40:220.
6. Bhadoria AS, Khwairakpam G, Grover GS, Pathak VK, Pandey P, **Gupta R**. Viral Hepatitis as a Public Health Concern: A Narrative Review About the Current Scenario and the Way Forward. Cureus. 2022 Feb 4;14(2):e21907.
7. Jaleel R, Simon EG, Gupta P, **Patnaik I**, David D, Chowdhury SD. Retained biliary plastic stents - lest we forget. Trop Doct. 2021 Apr;51(2):177-180.
8. Indulekha H, Chandrakar S, **Patnaik I**, Patel NB. Rare case of burkholderia liver abscess complicated by hepatobronchial fistula. BMJ Case Rep. 2022 Jan 19;15(1):e246739
9. Jain G, Chandran P, **Patnaik I**, et al. Terlipressin- induced skin necrosis. BMJ Case Rep 2021;14:e246678. doi:10.1136/bcr-2021246678
10. Rajput D, **Patnaik I**, Shasheendran S, Kumar B, Gupta A. Fractured T Tube Fragment in Common Bile Duct during Retrieval: An Unforeseen Mishap. The Surgery Journal. 2021;7. 251-254.
11. Bhasi A, **Patnaik I**, Panda PK, Singh A. Hypereosinophilic syndrome presenting as eosinophilic gastroenteritis disorder and splinter hemorrhages: A case report. World J Gastrointest Pharmacol Ther. 2022 Mar 5;13(2):23-29
12. Vijayalekshmi B, **Sharma A**, Prabhu SB, et al. Reticuloendothelial activation correlates with disease severity and predicts mortality in severe alcoholic hepatitis. Eur J Gastroenterol Hepatol. 2021 Dec 1;33 (1S Suppl 1):e329-e334

10.13 Department of Internal Medicine

I) National Publication

1. Kapoor M, Prakash B, **Dhar M**. Life-threatening disseminated tuberculosis masquerading as cervical spondylosis --- Case report "Cervical TB v/s Cervical Spondylosis". J Family Med Prim Care 2022;11:1558-60.
2. Agarwal M, **Dhar M,** Agarwal D, Murlidharan A. Early Initiation of Low-Dose Hydrocortisone Therapy for Septic Shock in Geriatric Patients: A Randomized Control Trial. J Assoc Physicians India. 2022 Feb;70(2):11-12
3. Kapoor M, **Dhar M**, **Pathania M**. Assessment of Baseline Comprehensive Geriatric Assessment parameters in geriatric Patients with varying severity of Hyponatremia at a Tertiary Care Center. Cureus 2022;14(1):e21516.DOI 10.7759/cureus21516.
4. Kapoor M, Parchani A, **Dhar M**. Raised Amylase/Lipase levels in Enteric Fever: Prognostic marker or a sign of Pancreatitis? - Case Report. J Family Med Prim Care. 2021 Oct;10(10):3913-3915
5. Gupta P, Jitesh G, **Dhar M**, Ajmal M, **Bairwa M.** Male -Catastrophic Antiphospholipid Antibody Syndrome. J Cardiovasc. Dis. Res. 2021;12(6): 113-1120.doi:0.31838/jcdr.2021.12.06.153.
6. Kapoor M, **Dhar M,** Mirza A, Saxena V, **Pathania M**. Factors responsible for

Uncontrolled Hypertension in the Adults over 50 years of age: A pilot study from Northern India. Indian Heart J. 2021 Sep-Oct;73(5):644-646.

7. Saxena V, Kalyani V, Kodi M, **Dhar M**, Verma A, Senkadhirdasan, Saxena P. Control of Blood pressure in district Dehradun, India: is Rule of halves still valid? Indian Journal of Public Health and Development, July-Sept 2021, Vol 12,No 3, Pg 523-532.
8. **Bairwa M,** Kumar R, Ajmal M, Bahurupi Y, **Kant R**. Predictors of critical illness and mortality based on symptoms and initial physical examination for patients with SARS-CoV-2: A retrospective cohort study. J Infect Public Health ,2021 Aug;14(8):1028-1034.
9. **Kant R**, Yadav P, Kishore S, **Bairwa M**, Singh M. Is it time to consider shreds of epidemiological and environmental evidence associated with high transmission of COVID-19?. Journal of Family Medicine and Primary Care. 2021 Jun 1;10(6):2120.
10. **Kant R**, Yadav P, Garg M, et al. (June 29, 2021) Safety and Efficacy of Long-Acting Insulins Degludec and Glargine Among Asian Patients With Type 2 Diabetes Mellitus: A Meta-Analysis. Cureus 13(6): e16046. DOI 10.7759/cureus.16046
11. Kumar S, **Kant R**, Yadav P, Natarajan K, Bahurupi Y, Mishra A. A Community-Based Study on Waist-to-Height Ratio: An Indicator for Systolic Hypertension in a Rural Community of Hilly Region. Cureus. 2021 Jun 29;13(6).
12. **Kant R**, Barnwal S, Yadav P, Tendulkar P, **Bairwa M**. Subclinical hypothyroidism in community perspective: Treat or not to treat?. J Prev Med Holist Health 2021;7(1): 19-22
13. Sudan A, Kalra A, Mirza AA, **Kant R**. Efficacy of DPP-4 inhibitors and SGLT2 inhibitors compared to sulphonylureas in adult patients with diabetes with low c-peptide levels with or without anti-GAD65 antibody positivity. Diabetes & Metabolic Syndrome: Clinical Research & Reviews. 2021 Jul 5:102197.
14. Mandal A, Sharma S, Rani R, Ranjan S, **Kant R**. Impact of Cassia Bark Consumption on Glucose and Lipid Control in Type 2 Diabetes: An Updated Systematic Review and Meta-Analysis. Cureus 2021 Jul13: e16376.
15. **Kant R**, Yadav P, Singh M, Meena MK. Challenges with the proposed approach in enhancing the accessibility of antimalarial activities during COVID 19 pandemic. Journal of Infection and Public Health. 14 (2021) 1089-94.
16. **Kant R**, Yadav P. Role of wireless motility capsule in diagnosing diabetic gut autonomic neuropathy: A narrative review. Journal of Diabetology. 2021 Jul 1;12(3) : 263.
17. Jain N, **Pathania M.** Assessment of sleep quality and quality of life in hypertensive subjects at a tertiary care hospital in Uttarakhand, India. Int J Prev Med 2021;12:158..
18. Mohanty V, **Pathania M.** Vitamin D correlation with echocardiographic function in patients of congestive heart failure. J Indian AcadEchocardiogr Cardiovasc Imaging 2021;5:134-8.
20. G J, Bansal R, Ajmal M, et al. Young Male With Seizure Disorder and Intracranial Calcification: A Case of Fahr's Syndrome. Cureus 2022;14(2): e22189
21. Jain P, Mehta T, **Pathania M**. Psychological Impact of the COVID-19 Pandemic on Frontline Health Care Physicians;15(6): VI01-VI03.
22. Sethi PP, Sudan A, Kumari S, **Pathania M,** et al. Case of rare association of peripheral neuropathy with mixed connective tissue disorderBMJ Case Reports CP 2021;14: e238519.
23. Waghamare SR, Mittal S, **Pathania M**, et al. Comparison of choroidal thickness in systemic hypertensive subjects with healthy individuals by spectral domain optical coherence tomography. Indian Journal of Ophthalmology. 2021 May; 69(5):1183-1188. DOI: 10.4103/ijo.ijo_1994_2
24. Mittal G, Bisht M, **Pai VS**, Handu SS. Evaluation of prescription practices in rheumatoid arthritis at the rheumatology clinic in a tertiary care teaching hospital in Uttarakhand: A cross-sectional study. J Family Med Prim Care 2021; 10:745-51.
25. Panda PK, Singh BO, Moirangthem B, Bahurupi YA, Saha S, Saini G, Dhar M,

Bairwa M, **Pai VS**, Agarwal A, Sindhwani G, Handu S, Kant R. Antiviral Combination Clinically Better Than Standard Therapy in Severe but Not in Non-Severe COVID-19. Clin Pharmacol. 2021;13:185-195.

26. Kapoor M, **Panda PK**, Saini LK, Bahurupi Y. A Retrospective Analysis of Disseminated Intravascular Coagulation Score and Sepsis Induced Coagulopathy Score in Prediction of COVID-19 Severity. Indian J Crit Care Med 2021;25(12):1357–1363. Doi: 10.5005/jp-journals-10071-24056
27. Tendulkar P, Pandey P**, Panda PK**, Bhadoria AS, Kulshreshtha P. Descriptive Epidemiology of COVID-19 Deaths during the First Wave of Pandemic in India: A Single-center Experience. Indian J Crit Care Med. 2022 Jan;26(1):71-75. doi: 10.5005/jp-journals-10071-24085.
28. Roul PK, Kaushik A, Sherwani P, Yadav K, Saini A, Singh OBC, Syed A, **Panda PK**. Predictive Value of Chest CT Score in Assessing Disease Severity and Short-term Mortality in COVID-19 Pneumonia at a Tertiary Care Centre in Northern India: A Prospective Observational Study J Clin of Diagn Res.2022; 16(3):TC05-TC11. https://www.doi.org/10.7860/JCDR/2022/51808/16168
29. Job S, Bahurupi Y, Gupta PK, Singh M, **Panda PK**, Aggarwal P, Mishra UB. COVID-19 Sample Collection Kiosk in AIIMS Rishikesh: A safe and efficient model. Indian Journal of Community Health. 2021;33(1):3-8. https://doi.org/10.47203/ IJCH.2021.v33i01.002
30. Kapoor M, **Panda PK**. SARS-CoV-2 viral load: Implication in COVID-19 pathogenesis, clinical presentation, diagnosis, treatment, prognosis and infectivity. J Med Evid. 2021. DOI: 10.4103/JME.JME_134_20
31. Mohanty V, Mukundan M, **Panda PK**, Sindhwani G. ARDS with Concomitant Pneumomediastinum-Pneumothorax Presenting as Platypnoea-Orthodeoxia Syndrome. The Indian journal of chest diseases & allied sciences. 2021;63(1):37-40.
32. M Aishwarya, Singh M, **Panda PK**. Primary to tertiary Covid-19 transmission in a hospital– a cluster outbreak analysis. J Family Med Prim Care. 2021;10(3):1489-92. DOI: 10.4103/jfmpc.jfmpc_2104_20
33. **Panda PK**, Manna S, Bhasi A, Singh S S, Maneesh V S. Paraquat poisoning in Andaman and Nicobar Islands – Government must intervene. J Family Med Prim Care 2021;10:1780-4. DOI: 10.4103/jfmpc.jfmpc_2020_20
34. Shankar R, Tyagi AK, **Panda PK**, Madaan S, Jeladharan R, Kaistha N. Deadly dual fungal infections in a chronic kidney disease patient. J Med Evid 2021;2:30-3. DOI: 10.4103/JME.JME_ 33_20
35. Walia R, Chauhan U, Sharma P, **Panda PK**. Giant Left Atrium and Atrial Fibrillation in Rheumatic Heart Disease Patient with Normally Functioning Mitral Valve Prosthesis. Journal of Diagnosis & Case Reports. SRC/JDCRS-119. 2021.
36. Mukundan M, Sethi P, **Panda PK**. Empty Sella Syndrome with Typical Facies: A Case Report. Journal of Clinical and Diagnostic Research. 2021;15(7):OD01-OD04. https://www.doi.org/10.7860/JCDR/2021/49167/15072
37. Khan SI, Kumar A, **Panda PK**, Gupta N. Xerophthalmia with secondary malabsorption syndrome in a young lady. J Family Med Prim Care 2021;10:3515-8. DOI: 10.4103/jfmpc.jfmpc_1020_21
38. Kanupriya S, **Panda PK**. Triad of palpitation, angina, and murmur in a non-cardiac patient, Journal of Family Medicine and Primary Care. 2021;10(10):3919-21. doi: 10.4103/jfmpc.jfmpc_265_21
39. Karna G, Pattar S, **Panda PK**, Shah R. Chronic Indolent Community-acquired Pneumonia due to Pseudomonas Infection in an Immunocompetent Patient- A Case Report. J Clin of Diagn Res. 2022; 16(2):OD07-OD09.https://www.doi.org/10.7860/JCDR/2022/52806/16026
40. Ranka Rajat, Arjun, **Panda PK**, Chikara G. Retrospective Assessment of Remdesivir for the Treatment of Hospitalized Covid-19 Patients. [ePosture]. In: Proceedings of the 11th Annual Conference of Clinical Infectious Disease Society of India; Aug 25-29; Virtual Conference: CIDSCON-2021; 2021.
41. Kumar A, **Panda PK**, Sharma M, et al. Effect of Educational Intervention on Knowledge of Health Care Workers

Towards Integrated Antimicrobial Stewardship - A Quasi Experimental Study. [ePosture]. In: Proceedings of the 3rd National Conference on Antimicrobial Stewardship Practices in India (ASPICON); Dec 3-4; Hybdrid Conference: ASPICON -2021; 2021.DOI: 10.13140/RG.2.2.27188.37767

II) International Publication

1. Kapoor M, **Dhar M**, **Pathania M**. The Assessment of Baseline Comprehensive Geriatric Assessment Parameters in Geriatric Patients With Varying Severity of Hyponatremia at a Tertiary Care Center. Cureus 2022;14(1): e21516. doi:10.7759/cureus.21516
2. **Dhar M**, Kaeley N, Mahala P, et al. The Prevalence and Associated Risk Factors of Fear of Fall in the Elderly: A Hospital-Based, Cross-Sectional Study. Cureus 2022;14(3): e23479. doi:10.7759/cureus.23479
3. Mukundan M, Kashyap K, **Dhar M**, et al. Nutritional and Functional Status as a Predictor of Short-Term Mortality in Hospitalized Elderly Patients in a Tertiary Care Hospital. Cureus 2022;14(2): e22576. doi:10.7759/cureus.22576
4. Ajmal M, Pattar S, Sudan A, **Dhar M**. Parotid Tuberculosis as the Presenting Manifestation of Disseminated Disease in an Otherwise Asymptomatic HIV Patient. Cureus 2022;14(2): e22493. doi:10.7759/cureus.22493
5. Varghese A, **Dhar M**, Rao S, et al. Effectiveness of Large-Scale Preparedness Training on Electrocardiogram for Medical, Surgical, and Pre-clinical Doctors: A Need-Based Initiative for COVID-19 Patient Care. Cureus 2022;14(2): e22011. doi:10.7759/cureus.22011
6. Kumar V, **Dhar M**, Handu S, Kumar V, Dhameja P. Study of the effect of pharmacotherapeutic audit meetings on prescription writing in a tertiary care center- an interventional study. Int J Adv Med 2021;8:113-8.
7. Kataria A, Parchani A, **Dhar M.** Osmotic Demyelination syndrome In a post dialysis patient. European J of Case reports in Internal medicine, 2021. DOI:10.12890/2021_V8Sup1
8. Parachi A, Jain V, **Dhar M**. Lupus Pernio : A classical Lession in sarcoidosis. European J of Case reports in Internal medicine, 2021. DOI:10.12890/2021_V8Sup1
9. Pratti M, Parachi A, **Dhar M**. Chilblain Lupus Erythematous: A Rare variant of cutaneous systemic Lupous erythematous. European J of Case reports in Internal medicine, 2021. DOI:10.12890/2021_V8Sup1
10. Parachi A, Mohan S, **Dhar M**. Right sided native valve infective endocarditis in a healthcare worker. (Abstract) 11th International Congress of Internal Medicine. e-PP66. July 2021
11. **Panda PK**, Singh BO, Moirangthem B, Bahurupi YA, Saha S, Saini G, **Dhar M**, et al. Antiviral Combination Clinically Better Than Standard Therapy in Severe but Not in Non-Severe COVID-19. Clin Pharmacol. 2021;13:185-195.https://doi.org/10.2147/CPAA.S325083
12. Vijaykumar D, Dhir V, Jain S, **Pai V**, Kaur J, Naidu GS, Sharma A, Khanna Sharma S, Jain S. Assessing methotrexate intolerance and its prevalence in rheumatoid arthritis: Development and validation of the MISA questionnaire. Int J Rheum Dis. 2021 Oct;24(10):1294-1301
13. Gupta N, Gupta B, **Pai VS**. A Case of Severe COVID-19 Infection in a Patient with Acute Myeloid Leukaemia: Critical Care Management and a Review of the Literature. EMJ 2021; DOI:10.33590/emj/21-00093.
14. Parchani A, Vidhya K, **Panda PK**, Rawat VS, Bahurupi YA, Kalita D, Kumar H, Dr N. Fear, Anxiety, Stress, and Depression of Novel Coronavirus (COVID-19) Pandemic Among Patients and Their Healthcare Workers – A Descriptive Study. Psychol Res BehavManag. 2021;14:1737-1746. https://doi.org/10.2147/PRBM.S324233
15. **ISARIC Clinical Characterisation Group**. COVID-19 symptoms at hospital admission vary with age and sex: results from the ISARIC prospective multinational observational study [published online ahead of print, 2021 Jun 25]. Infection. 2021;1-17. doi:10.1007/s15010-021-01599-5

16. Singh A, Gupta P, Mathuria Y P, Kalita D, Prasad A, **Panda PK**, et al. (July 31, 2021) Comparative Evaluation of Nasopharyngeal and Oropharyngeal Swab Based Rapid SARSCoV-2 Antigen Detection and Real-Time RT-PCR for Diagnosis of COVID-19 in Tertiary Care Hospital . Cureus 13(7): e16785. DOI: 10.7759/cureus.16785
17. Kaur S, Sethi P, **Panda, PK**. Knowledge-Practice Gaps of Practicing Doctors on Antimicrobial Stewardship-A Single Center Experience. American Journal of Infectious Diseases. 2022;18(1):9-20. https://doi.org/10.3844/ajidsp.2022.9.20
18. Dixit D, Ranka R, **Panda PK**. Compliance with the 4Ds of antimicrobial stewardship practice in a tertiary care centre. Jac-antimicrobial Resistance. 2021 Sep;3(3): dlab135. DOI: 10.1093/jacamr/dlab135. PMID: 34541535
19. Singh V, Prasad A, **Panda P**, Totaganti M, Kumar Tyagi A, Thaduri A., Rao S, Bairwa M, Kumar Singh A. Mixed invasive fungal infections among COVID-19 patients. Current Medical Mycology, 2022; (e publication). doi: 10.18502/cmm.7.4.8407
20. **Panda PK**, Singh BO, Moirangthem B, Bahurupi YA, Saha S, Saini G, Dhar M, Bairwa M, Pai VS, Agarwal A, Sindhwani G, Handu S, Kant R. Antiviral Combination Clinically Better Than Standard Therapy in Severe but Not in Non-Severe COVID-19. Clin Pharmacol. 2021;13:185-195. https://doi.org/10.2147/CPAA.S325083
21. **ISARIC Clinical Characterisation Group**. Ten months of temporal variation in the clinical journey of hospitalised patients with COVID-19: An observational cohort. Elife. 2021 Nov 23;10:e70970. doi: 10.7554/eLife.70970. PMID: 34812731
22. Bouziotis J, Arvanitakis M, Preiser JC; **ISARIC Clinical Characterisation Group**. Association of body mass index with COVID-19 related in-hospital death. Clin Nutr. 2022 Jan 29:S0261-5614(22) 00026-7. doi: 10.1016/j.clnu.2022.01.017. Epub ahead of print. PMID: 35123821
23. Khoiwal, K, Kalita, D, **Panda PK**, et al. Presence of SARS-CoV-2 in the lower genital tract of women with active COVID-19 infection: A prospective study. Int J Gynecol Obstet. 2022; 00: 1– 4. doi: 10.1002/ijgo.14153
24. **ISARIC Clinical Characterisation Group**. Clinical characteristics, risk factors and outcomes in patients with severe COVID-19 registered in the International Severe Acute Respiratory and Emerging Infection Consortium WHO clinical characterisation protocol: a prospective, multinational, multicentre, observational study. ERJ Open Res. 2022 Feb 14;8(1):00552-2021. doi: 10.1183/23120541.00552-2021. PMID: 35169585
25. Kaushal K, Kaur H, Sarma P, Bhattacharyya A, Sharma DJ, Prajapat M, Pathak M, Kothari A, Kumar S, Rana S, Kaur M, Prakash A, Mirza AA, **Panda PK**, Vivekanandan S, Omar BJ, Medhi B, Naithani M. Serum ferritin as a predictive biomarker in COVID-19. A systematic review, meta-analysis and meta-regression analysis. J Crit Care. 2022 Feb;67:172-181. doi: 10.1016/j.jcrc.2021.09.023. Epub 2021 Nov 20.
26. **ISARIC Clinical Characterisation Group**. The value of open-source clinical science in pandemic response: lessons from ISARIC. Lancet Infect Dis. 2021 Dec;21(12):1623-1624. doi: 10.1016/S1473-3099(21)00565-X. Epub 2021 Oct 4. Erratum in: Lancet Infect Dis. 2021 Dec; 21(12):e363.
27. Devi YM, Sehrawat A, **Panda PK**, et al. Febrile neutropenia due to COVID-19 in an immunocompetent patient. BMJ Case Reports CP 2021;14:e242683. DOI: 10.1136/bcr-2021-242683
28. Singh BO, **Panda PK**, Walia R. Recreational cannabis use causing non-ischaemic cardiomyopathy and cardioembolism in a young adult. BMJ Case Reports CP 2021;14:e243193. http://dx.doi.org/10.1136/bcr-2021-243193
29. Agarwal M, Bahurupi YA, **Panda PK**. COVID-19 Diagnosis in Asymptomatic: RT-qPCR or any other Cost-Effective Method?. American Journal of Infectious Diseases. 2021;17(2):97-100. https://doi.org/10.3844/ajidsp.2021.97.100
30. Bhasi A, Patnaik I, **Panda PK**, Singh A. Hypereosinophilic syndrome presenting as eosinophilic gastroenteritis disorder and splinter hemorrhages: A case report. World J GastrointestPharmacolTher.

2022;13(2):23-29. DOI: 10.4292/wjgpt.v13.i2.23

31. Parchani A, Totaganti M, **Panda PK**, KS SK. Portal Vein Thrombosis: A Saga of two Nebulous Etiologies. American Journal of Infectious Diseases. 2022;18(1):21-25. https://doi.org/10.3844/ajidsp.2022.21.25
32. **Authors of ECIM 2021**, La Leggia L. Abstract Book of the 19th European Congress in Internal Medicine. EJCRIM 2021;8. doi:10.12890/2021_V8Sup1.
33. **Authors of ICIM 2021**. E-Abstract Book of the 11th International Congress of Internal Medicine. ICIM 2021.https://internal medicine-uth.gr/wp-content/uploads/2021/07/e-abstract-book.pdf
34. Singh V, **Panda PK**, Prasad A, Tyagi AK, Rao S, Totaganti M. Emerging COVID-associated Mucor-Aspergillosis – A Need of Separate Definition. International Journal of Infectious Diseases. DOI: 10.1016/j.ijid.2021.12.090. [Abstract]
35. Kapoor M, **Panda PK**. India's Second COVID Wave: How is it different from the First Wave? International Journal of Infectious Diseases. DOI: 10.1016/j.ijid.2021.12.121. [Abstract]
36. Prasad A, Singh V, Cheema TS, **Panda PK**. Rare cases of systemic phaeohyphomycoses caused by Bipolaris species as a Post SARS-COV 2 sequelae. International Journal of Infectious Diseases. DOI: 10.1016/j.ijid.2021.12.136. [Abstract]
37. Tendulkar P, Sharma D, **Bairwa M,Kant R.** A Case of Leptospira Ards- Obsession with COVID-19 Leading to Delayed Diagnosis of Common Disease, American Journal of Infectious Diseases 2021, 17 (2): 61.64
38. **Bairwa M,** Kumar R, Beniwal K, Kalita D, Bahurupi Y. Hematological profile and biochemical markers of COVID-19 non-survivors: A retrospective analysis. Clin Epidemiol Glob Health. 2021 Jul-Sep;11: 100770.
39. Kumar R, **Bairwa M**, Beniwal K, **Kant R.** COVID-19 vaccine acceptability, determinants of potential vaccination, and hesitancy in public: A call for effective health communication. J Educ Health Promot. 2021 Oct 29;10:392
40. **Bairwa M,** Kumar R, Yadav P, Bahurupi Y, **Kant R**. Awareness, perception, and mitigating measures on COVID-19: Do we still need to educate our masses on COVID-19?. J Edu Health Promot 2021;10:275

Chapter in Book:

1. **Dhar M**, **Pathania M**. **"**Adult Malnutrition"**.** SECTION 8-CH-6-----API Textbook of Medicine, 12e.
2. **Pathania M**, **Dhar M**. "Fat Soluble Vitamins"**.** SECTION 8-CH-3-----API Textbook of Medicine, 12e.
3. **Bairwa M,Dhar M**. "Mechanisms of Antimicrobial Resistance" SECTION 3A-CH-5-API Textbook of Medicine, 12e.
4. **Pai VS**. Manual of Rheumatology, 6th Edition: Approach to Ankle and Foot Pain
5. **Pai VS**.API Textbook of Medicine, 12th Edition: Allergic Diseases - Pathogenesis, Diagnosis and Immune Based Therapies
6. Schaefer TJ, **Panda PK**, Wolford RW. Dengue Fever. In: StatPearls. Treasure Island (FL): StatPearls Publishing; 2022.
7. Singh OB, **Panda PK**. Scrub Typhus (OrientiaTsutsugamushi). In: StatPearls. Treasure Island (FL): StatPearls Publishing; 2022.
8. I**Panda PK**, Clinical Management Protocol of Covid-19 (Version 10.0). In: Dept of Medicine [Internet]: Dept of Medicine Publishing; 2021.
9. **Panda PK**, 8D's: Right Do's and Don'ts of ISP, Right Diagnosis of DSP, Right Drug, Dose, Delivery, Decision on follow-up, and Duration of ASP (Version 1.0, A better integrated antimicrobial stewardship (IAS) practice), 1st ed. Rishikesh: Dept of Medicine Publishers (P) Ltd. 2021;pp.01-16.
10. Parchani A, **Panda PK**, Krishnan V. Mental Impact of COVID-19 - Fear, Stress, Anxiety, Depression and Sequels. In: Sánchez-García JC, Hernandez-Sanchez B, Moreira AC, Monteiro A, editors. Psychosocial, Educational, and Economic Impacts of COVID-19 [Internet]. London: IntechOpen; 2022. Available from: https://www.intechopen.com/online-first/80640 doi: 10.5772/intechopen.102754
11. **Kant R**. Ketosis Prone diabetes : API Textbook of Medicine

10.14 Department of General Surgery

I) National Publication

1. Kalyani C V, Rohilla KK, **Gupta A**, Gupta S, Gupta M, Matella N. Construction and validation of palliative care nursing theory guidelines for patients with advanced cancer. Cancer Res Stat Treat. 2022;5:35-44
2. **Gupta A**, Sharma O, Srikanth K, Mishra R, Tandon A, **Rajput D**. Review of Mesenteric Ischemia in COVID-19 Patients. Indian J Surg. 2022 Mar 11:1-9
3. Kathrotia R, Dhamija P, Naithani M, Kumar H, Varghese A, Bahadur A, **Huda F**, Gupta M, Kant R, Patil P, Rao S. Adopting the New Normal in Postgraduate Course Summative Assessment for evaluating Clinical Skills: An Experience from India During COVID-19 Pandemic Nation-Wide Lockdown. J Assoc Physicians India. 2022 Mar;70(3):11-12.

II) International Publication

1. COVIDSurg Collaborative; GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia. 2022 Jan;77(1):28-39.
2. COVIDSurg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. Br J Surg. 2021 Sep 27;108(9):1056-1063.
3. Rai A, **Huda F, Basu S**. How the COVID-19 pandemic has enforced a new way of surgical training. Eur Surg. 2021;53(6):327-328.
4. Goswami AG, **Basu S**, Shukla VK. "Hurricane-like" Presentation of a Recurrent Marjolin's Ulcer in a Young Female. Int J Low Extrem Wounds. 2021 Jun 28:15347346211028687. doi: 10.1177/15347346211028687.
5. Jaiswal P, Sharma S, Pratap A, Ansari M, Shukla VK, **Basu S**, Banerjee T. Significant presence of biofilm-producing gut-derived bacteria in anal fistula of chronic duration. Int Wound J. 2021 Aug;18(4):519-524.
6. Mathew G, Agha R; STROCSS Group. STROCSS 2021: Strengthening the reporting of cohort, cross-sectional and case-control studies in surgery. Ann Med Surg (Lond). 2021 Nov 6;72:103026. doi: 10.1016/j.amsu.2021.103026.
7. Mathew G, Agha R; STROCSS Group. STROCSS 2021: Strengthening the reporting of cohort, cross-sectional and case-control studies in surgery. Int J Surg. 2021 Dec;96:106165. doi: 10.1016/j.ijsu.2021.106165.
8. **Gupta A**, Gupta S, **Rajput D**, Durgapal P, Chennatt JJ, Kishore S, Rao S, Dhar P, Gupta M, Kant R. Expression and clinicopathological correlation of Ki-67 in gallbladder carcinoma. J Carcinog. 2021 Sep 4;20:11.
9. **Gupta A**, Gupta S, Mani R, Durgapal P, Goyal B, Rajput D, Rao S, Dhar P, Gupta M, Kishore S, Kant R. Expression of Human epidermal growth factor receptor 2, Survivin, Enhancer of zeste homolog -2, Cyclooxygenase-2, p53 and p16 molecular markers in Gall bladder carcinoma. J Carcinog. 2021 Jun 9;20:7
10. **Gupta A**, Gupta S, Siddeek RAT, Chennatt JJ, Singla T, **Rajput D**, **Kumar N**, Sehrawat A, Kishore S, Gupta M. Demographic and clinicopathological Profile of Gall Bladder Cancer Patients: Study from a tertiary care center of the Sub-Himalayan region in Indo-Gangetic Belt. J Carcinog. 2021 Jun 9;20:6.
11. **Gupta A**, Singla T, Chennatt JJ, David LE, Ahmed SS, **Rajput D**. Artificial intelligence: A new tool in surgeon's hand. J Edu Health Promot 2022;11:93.
12. **Rajput D**, Rai A, **Gupta A**,Chezhian S, Kumar S, Kundal A. Left Paraduodenal Hernia Presenting as Closed Loop Jejunal Obstruction in a Young Female: An Enigmatic and Perilous Differential of Acute Abdomen. Surg J (N Y). 2021 Sep 1;7(3):e212-e215
13. **Rajput D**, Patnaik I, Shasheendran S, Kumar BKP, **Gupta A**. Fractured T Tube Fragment in Common Bile Duct during Retrieval: An Unforeseen Mishap. Surg J (N Y). 2021 Sep 14;7(3):e251-e254
14. COVIDSurg Collaborative. Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study. Lancet Oncol. 2021; 22: 1507-1511
15. **Rajput D**, **Kumar N**, Sharma P, Roshan R, Puliyath N, **Gupta A**. Use of N-acetyl

cysteine to retrieveen trapped Male cotca theterinliver: anoldagent for anovel application. Trop Doct. 2021 Apr; 51(2): 226-228.

16. **Singh SK**, **Gupta A**, Sandhu H, Mani R, Sharma J, Kumar P, **Rajput D, Kumar N, Huda F, Basu SP,** Ravi B, Kant R. Surgical Diseases Management during COVID-19 Crisis at a Tertiary Care Hospital of India: Our Institutional Strategy. Surg J (N Y). 2021 Dec 28;7(4):e366-e373. DOI: 10.1055/s-0041-1740452.
17. **Rajput D**, David LE, Sharma O, **Gupta A**, Siddeek RAT, Phulware RH. Adult Left Colocolic Intussusception Successfully Managed by Left Hemicolectomy and Primary Anastomosis. Surg Journal (N Y). 2022 Feb 18;8(1):e65-e68. DOI: 10.1055/s-0042-1742751.
18. **Gupta A, Rajput D**, Chennat JJ, Singla T, Ahmed SS. Stentolith in Bile Duct: A Neglected Entity-Case Report with Review of Literature. Surg J (N Y). 2022 Mar 3;8(1):e86-e89
19. Vidhya K, Gupta S, Lekshmi R, Bhardwaj K, Kusum K, Kalyani VC, **Gupta A**. Assessment of patient's knowledge, attitude, and beliefs about cancer: An institute-based study. J Edu Health Promot 2022;11:49
20. Rohilla K, Kalyani VC, Gupta S, **Gupta A**, Gupta M. Quality of Life of People with Cancer in the Era of the COVID-19 Pandemic in India: A Systematic Review. Clinical Practice & Epidemiology in Mental Health.2021; 17:280-286
21. COVIDSurg Collaborative, GlobalSurg Collaborative. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anaesthesia 2021. Epub 9 August.
22. **Rajput D, Gupta A**, Kumar S, Singla T, Srikanth K, Chennatt J. Clinical spectrum and management outcome in gallbladder perforation-a sinister entity: Retrospective study from Sub-Himalayan region of India. Turk J Surg 2022; 38 (1): 25-35
23. **Huda F**, Shasheendran S, **Basu S, Singh SK**, David LE, Chezian S: Predictive value of gamma-glutamyltransferase And neutrophil lymphocyte ratio for postoperative complications following emergency surgery. Am J Digest Dis 2022;8(1):1-9
24. Goswami AG, Tarafdar S, **Huda F, Basu S**. Perianal sinus as a unique presentation of a recurrent presacral epidermoid cyst. ANZ J Surg. 2022 Jan 10. doi: 10.1111/ans.17468. Epub ahead of print.
25. Sharma J, **Kumar N, Huda F**, Payal YS. Enhanced Recovery After Surgery Protocol in Emergency Laparotomy: A Randomized Control Study. Surg J (N Y).2021;7(2): e92–e99.
26. **Kumar N**, Anjum R, Mani R, et al. Neglected Gallstone Disease Presented As Gallstone Ileus: A Rare Cause of Intestinal Obstruction. Cureus 13(9): e18205. DOI 10.7759/cureus.18205
27. Lokavarapu M, Huda F,Mahindrakar B, **Kumar N** et al. Giant Mesenteric Cyst With Gastric Perforation Masquerading As Obstructed Inguinal Hernia: A Rarest of the Rare Case. Cureus. 2021; 13(9): e17919. DOI 10.7759/cureus.17919
28. Darbari A, Lahiri R, Mishra M, Kumar A, Gautam S, **Kumar N**. Management Of Pulmonary Hydatid Cyst With Pleural Complications: A Case Series. EMJ. 2021; 20-00179. DOI/10.33590/emj/20-00179.
29. COVIDSurg Collaborative; GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2infection: an international prospective cohort study. Anaesthesia. 2021 Jun;76(6):748-758.doi:10.1111/anae.15458.
30. **Rajput D, Gupta A**, Verma SS, Barabari GS, Wani AA, **Kumar N**. Jaundice and Thrombocytopenia inan acute abdomen with concurrent Appendicitis and spontaneous Rectal perforation: An unusualpresentationofhumanleptospirosis.TropDoct.2021;51(3):427-431.
31. Anjum R, **Kumar N**, Singla T, et al. A Case of Isolated Jejunal Diverticulum Presented as Free Perforation: A Rare Cause of Acute Abdomen. Cureus. 2021; 13(10): e18809. DOI 10.7759/cureus.18809
32. **Huda F**, Joshua M L, Gajula B, Kumar N. The doctor-patient relationship: exploring the perspectives among resident doctors at a tertiary care hospital. Gjra - global journal for research analysis. 2021;10(5 DOI : 10.36106/gjra
33. WaniAA, KhurooS, JainSK, HeerVK, RajputD, MaqsoodS. The"Flip-Flap "Technique for Laparoscopic Port-Site Closure-Description of a Novel, Cost-Effective Technique with Review ofLiterature. SurgJ(NY). 2021Jul19;7(3):

e168- e171.DOI: 10.1055/s-0041-1731270.

34. Chaudhary N, Huda F, Roshan R, **Basu S**,**Rajput D**, **Singh SK**. Lower Limb Amputation Rates in Patients With Diabetes and an Infected Foot Ulcer: A Prospective Observational Study. Wound Management & Prevention. 2021Jul; 67(7):22–30.DOI:10.25270/wmp.2021.7.2230.
35. Wani AA, Khuroo S, Heer VK, Jain SK, **Rajput D**, MaqsoodS, Malik A. Recurrent Hemorrhoids—Efficacy, Utility and Initial Experience with the Useof Stapled Hemorrhoidopexy in Recurrent Hemorrhoids. J Coloproctol. 2021 Jun 3. doi: 10.1055/s-0041-1730262.
36. **Huda F**, Gajula B, **Singh SK**, Piplani R, Choudhary N. Transverse Testicular Ectopia Presenting as Right Inguinal Hernia in an Adult Patient: An Incidental Finding During Robotic Transabdominal Preperitoneal Repair. Cureus. 2021 Jun 3;13(6):e15412

Book published

1. Goyal B, Gupta T, Gupta S, **Gupta A**. Chapter 12 - Noncoding ribonucleic acids in gallbladder cancer patients. Editor(s): Subash Chandra Gupta, Kishore B. Challagundla. Clinical Applications of Noncoding RNAs in Cancer, Academic Press, 2022,Pages 391-408
2. **Singh SK**, Huda F, Seenivasagam RK, Basu S. Staging Laparoscopy in Intra-Abdominal Cancers. In: Sharma, D., Hazrah, P. (eds) Recent Concepts in Minimal Access Surgery. Springer, Singapore 2022. https://doi.org/10.1007/978-981-16-5473-2_10

10.15 Hospital Administraton

National Publication

1. Rekha US, Kant R, **Mishra UB**,Panda Pk et al. The Hospital Initiative To Prevent And Control PEA MDR,Clinical Infection Diseases Society 2021
2. Aggarwal M, Kant R, Gupta MK **Mishra UB** et All. Hydroxychlorquine Prophylaxix For Covid -19- A Prospective Study , Medrxiv2021 htt;//Doi.Org/10.1101/2021.09-13-2126297.
3. Jose A, Varghese A, Dutt N, **Mishra UB** Knowledge Attitude And Practice Related To Biomedical Waste Management Among Staff On Tertiary Care Government Teaching Hospital In Lucknow. JSR 202110:22-25
4. Bhadoria P, Gupta G, **Agarwal A**. Viral Pandemics in the Past Two Decades: An Overview. J Family Med Prim Care. 2021 Aug;10(8):2745-2750
5. Yogeshwari, **Agarwal A**, Aeran H. How prepared are we? A study to assess knowledge, attitude and practice of dental surgeons regarding the Covid 19 pandemic in district Dehradun. IJOHD 2021, 123-130

11.16 Department of Medical Oncology Haematology

I) National Publication

1. 1.De D, **Nath UK**, Chakrabarti P. Evaluation of Vascular Health of E-Beta Thalassemia Patients: Effect of Iron Overload. J Assoc Physicians India 2021; 69(11):11-12.
2. Sundriyal D, **Nath UK**, Kumar P, et al. Audit of In-Hospital Mortality from a Medical Oncology and Hemato-Oncology Center with the Emphasis on Best Supportive Care.South Asian J Cancer 2022;10(3).
3. Gaurav A, Choudhuri S, Arora S, Kumari N, **Sehrawat A**, Tiwari P, et al. Exceptional Responders in Gynecologic Oncology: A case series and review of literature. Indian Journal of Gynecologic Oncology. 2021 Dec;19(4):1-6.
4. **Sundriyal D**, Kumar P, Gogisetti Y, Sehrawat A.Weekly Etoposide and Platinum in Small-Cell Lung Cancer: Hope and Scope for Fragile Patients.Indian Journal of Medical and Paediatric Oncology. 2021 Aug;42(02):120-1.
5. Arya L, **Sundriyal D**,
6. Bhandari R, Srivastava R, **Sehrawat A**. Bone Marrow Metastases from Solid Organ Cancer in Adults. Indian J Surg Oncol. 2021 Sep;12(3):545-548..
7. Mohanty A, Meena S, **Nath UK**, Bakliwal A, Kaistha N, Gupta P. Trichosporon dohaense causing life-threatening fungemia in acute leukemia: First case report from India. Indian J Pathol Microbiol 2021;64(03):619-621.
8. **Sundriyal D**, Arya L, Saha R, Walia M, Nayak PP. Hypercalcemia of Malignancy: Time to Pull the Brakes. Indian J Surg Oncol. 2022 Mar;13(1):28.
9. Mittal GS, Naik BN, **Sundriyal D**. Myasthenia Gravis Following Excision of a Large Thymoma. Indian J Surg Oncol. 2021 Jun;12(2):446-449.
10. Kumar P, **Sundriyal D**, Kumar A. Cutaneous Lesions in a Patient with Cancer. Indian J Surg Oncol. 2022; 13, 359–360.

II) International Publication

1. Chatzikonstantinou T, Scarfò L, …, **Nath UK**, et al. Real-World Evidence on Therapeutic Strategies and Treatment-Sequencing in Patients with Chronic Lymphocytic Leukemia: An International Study of Eric, the European Research Initiative on CLL. Blood 2021;138(S1): 2635.
2. Mamgain G, Patra P, Naithani M, **Nath UK**. The Role of Microbiota in the Development of Cancer Tumour Cells and Lymphoma of B and T Cells. Cureus 2021;13(10):e19047. DOI 10.7759/cureus.19047.
3. Bakliwal A, **Nath U**, Mohanty A, et al. Life-threatening Cryptosporidium Diarrhea in a Child on Induction Chemotherapy for Acute Lymphoblastic Leukemia. Cureus 2021;13(9): e18340. DOI 10.7759/cureus.18340.
4. Kumari N, Bakliwal A, Singh M, Dhingra G, Gupta A, **Nath UK**. B-lymphoblastic lymphoma presenting as acute pancreatitis: A rare mimicker. Accepted in Hematology Transfusion and Cell Therapy journal on 26 April 2021. DOI:10.1016/j.htct.2021.02.004
5. Devi YM, **Sehrawat A**, Panda PK, Nath UK. Febrile neutropenia due to COVID-19 in an immunocompetent. BMJ Case Rep. 2021;14(4):e242683
6. Chatzikonstantinou T, Scarfò L, Kotašková J, …, **Nath UK**, et al. EP631 - Other Malignancies in The History of Chronic Lymphocytic Leukemia -A Retrospective, Multicenter Cohort Study by ERIC, The European Research Initiative On CLL, In Harmony. HemaSphere 2021;5:S2:281-2.
7. Kumar P, **Sehrawat A**, **Sundriyal D**, Sharma P, Mittal A, Gupta MK. Gemcitabine and Carboplatin versus Gemcitabine and Paclitaxel chemotherapy in Cisplatin ineligible advanced-stage urothelial cancers: A prospective randomized control study. J Clin Oncol. 2022; 40(6_suppl), 500–500. https://doi.org/10.1200/jco.2022.40.6_suppl.500
8. Mittal GS, Sundriyal D, Naik NB, **Sehrawat A**. Totally Implantable Venous Access Device (Chemoport) in Oncology: Study of 168 Polyurethane Chemoport Catheter System. South Asian J Cancer 2021;10(4):257–260

9. Kumar P, **Sehrawat A**, **Sundriyal D**, Anand A, Sharma A, Agarwal A, et al. P139 - Optimal Chemotherapy for Cisplatin-Ineligible Advanced URothelial Cancer: Gemcitabine with CArboplatin vs. Paclitaxel-Prospective Randomized Trial (CAUR CAP TRIAL).Eur Urol Open Sci. 2021 Nov 33 (Suppl.3);S392.

10. Thaduri A, Dungala D, Panuganti A, Majumdar KS, **Sehrawat A**. Addressing the challenges of head and neck cancer care in India – A compelling need of the hour. Oral Oncology. 2021 May:104812.105638 DOI: https://doi.org/10.1016/j.oraloncology.2021.105638

11. Thaduri A, **Sehrawat A**, Poonia DR, Das A, Kumar R, Varghese A, et al. 1492P - A longitudinal cohort study on assessing the impact COVID-19 pandemic on the mental health of cancer care providers: Developing world scenario. Annals of Oncology. 2021 Sep;32:S1097.

12. Poonia DR, **Sehrawat A**, Gupta MK. Lung cancer screening: An unending tale. J Can Res Ther 2021;17:1289-93

13. Gupta A, Gupta S, Siddeek RA, Chennatt JJ, Singla T, **Sehrawat A** et al. Demographic and clinicopathological profile of gall bladder cancer patients: Study from a tertiary care center of the sub-himalayan region in indo-gangetic belt. J Carcinog 2021;20:6

14. Chakrabarti A, Dhingra G, Bansal S, Bhargava R, Jain S, Chugh M. Haploidentical Bone Marrow Transplant with Treosulfan- Fludarabine- TBI conditioning in Pediatric Familial HLH with Compound Heterozygote STXBP2 Mutation- A Case Report and Review of Literature. J Blood Disord Ther.2021 Aug; 1: 104

15. Kapoor R., Saxena AK, Vasudev P, Sundriyal D, Kumar A. Cancer induced bone pain: current management and future perspectives. Med Oncol 38, 134 (2021). https://doi.org/10.1007/s12032-021-01587-7

10.17 Department of Microbiology

I) National Publication

1. Mohanty A, Meena S, Nath UK, Bakliwal A, **Kaistha N,** Gupta P. Trichosporon dohaense causing life-threatening fungemia in acute leukemia: First case report from India. Indian J Pathol Microbiol. 2021 Jul-Sep;64(3):619-621

2. Mohanty A, Rohilla R, Meena S, Bora M, Singh A, **Kaistha N,** Gupta P. Epidemiology of Mycotic Infections: Experience From A Tertiary Care Center Of Uttarakhand, India Tropical J of pathology & Microbiology.2021; 7(3), 93-98.

3. Shankar R, Tyagi AK, Panda PK, Madaan S, Jeladharan R, **Kaistha N.** Deadly dual fungal infections in a chronic kidney disease patient. J Med Evid 2021;2:30-3

4. Chatterjee K, Gupta R, **Omar BJ,** Gupta P, **Kalita D.** Genotypic distribution of hepatitis C virus in Uttarakhand. Indian J Med Microbiol. 2021. 28:S0255-0857(21)04133-5

5. Rohilla R, Bhatia M, Paul M, **Omar BJ,** Gupta P. Analysis of trends of post-analytical quality indicators in Clinical Bacteriology laboratory: A pilot study from a tertiary care teaching hospital in Uttarakhand, India. Indian J Med Microbiol. 2020 Nov 2;39(2):196-9.

6. Chatterjee K, **Kalita D, Omar B**J et al. Hepatitis C virus subtyping in Uttarakhand, India: a comparative study. VirusDis. 2021 32(3), 576–581

7. **Omar BJ** , Badoni G, Dr. Singh A, Mohan K, Kant R, Gupta P. Identification of enteropathogenic E.coli (EPEC)in patients of acute diarrhea in a tertiary care hospital from the foothills of Himalayas, Int J of Sc Res.2021: 10(6), 52-54

8. Kothari A, **Mathuria YP, Omar BJ.** Covid 19: The first microorganism ever to cause global lockdown - A Microbiological review. J Microbiol Relat Res. 2020;6(2):5–8

9. Kumar P, Kothari A, Uniyal M, **Omar BJ** et. al..Effect of COVID-19 Pandemic on Quality of Ganga River water in Uttrakhand: A Longitudinal Study/J Microbiol Relat Res. 2021;7(1): 9-17

10. **Kalita D,** Sarma RK, Sharma KR, Deka S. High proportion of drug-resistant isolates in adult community-acquired pneumonia from Northeast India: A hospital-based study. Lung India. 2021 Sep-

Oct;38(5):460-465

11. Deka S, **Kalita D,** Shankar R, Rekha US, Sindhwani G. A Comparative Evaluation of Antigen-Specific Sandwich Immunoassay and Indirect Immunofluorescence Assay (IIF) in Detecting Antineutrophil Cytoplasmic Antibodies: Are We Ready to Replace IIF with ELISA as the Primary Screening Method? J Lab Physicians. 2021 Sep;13(3):286-290
12. Bairwa M, Kumar R, Beniwal K, **Kalita D,** Bahurupi Y. Hematological profile and biochemical markers of COVID-19 non-survivors: A retrospective analysis. Clin Epidemiol Glob Health. 2021 Jul-Sep;11:100770.
13. Deka S, Barua D, Saikia H, **Kalita D**. Comparison of diagnostic performance of single and multiple fecal sampling in the detection of soil-transmitted helminths in school-aged children. J Parasit Dis. 2021 Jun;45(2):324-329
14. **Kalita D,** Deka S, Chamuah K, Ahmed G. Laboratory Evaluation of Hepatitis C Virus Infection in Patients Undergoing Hemodialysis from North East India. Journal of Clinical and Experimental Hepatology. 2022 Mar;12(2):475-482
15. Gairolla J, Gupta P, Gupta P, **Mathuria YP,** Chauhan C, Kaur MD, et al. Techno-innovations and molecular methods for diagnosis of COVID-19: Updates from India. J Mar Med Soc 2021;23:16-23.
16. Pandey P, Kumar P, Gupta R, Sharma A, Gupta P, **Kalita D, Mathuria Y,** Badola M, Bhadoria A. Capacity building workshops for physicians and laboratory technicians under national viral hepatitis control programme, Uttarakhand'. Journal of Medical Evidence. 2021; 2(3), 276
17. Jha S, Gupta P, **Bhatia M.** Blastocystis spp. infection in cases of diarrhoea: A pilot study from a tertiary care teaching hospital in Rishikesh, Uttarakhand, with a brief review of literature. Trop Parasitol 2021;11(2):113-21

II) International Publication

1. Mohanty A, Gupta P, Arathi K, Rao S, Rohilla R, Meena S, Singh A, **Kaistha N**, Rath RS, Varshney S. Evaluation of Direct Examination, Culture, and Histopathology in the Diagnosis of Mucormycosis: Reiterating the Role of KOH Mount for Early Diagnosis. Cureus. 2021 Nov 10;13(11):e19455.
2 Meena S, Mohanty A, **Kaistha N,** et al. Comparative Assessment of Matrix-assisted Laser Desorption Ionization-time of Flight Mass Spectrometry (MALDI-TOF-MS) and Conventional Methods in the Identification of Clinically Relevant Yeasts. Cureus. 2021; 13(6): e15607. doi:10.7759 /cureus. 15607
3 Singh A, Gupta P, **Mathuria YP, Kalita D,** Prasad A, Panda PK et al. Comparative Evaluation of Nasopharyngeal and Oropharyngeal Swab Based Rapid SARS-CoV-2 Antigen Detection and Real-Time RT-PCR for Diagnosis of COVID-19 in Tertiary Care Hospital. Cureus. 2021 Jul 31;13(7):e16785.
4 Kothari A, Jain N, Kishor Kumar S, Kumar A, Kaushal K, Kaur S, **Omar BJ*** . Potential Synergistic Antibiotic Combinations against Fluoroquinolone-Resistant Pseudomonas aeruginosa. Pharmaceuticals. 2022;15(2):243
5 Kaushal K, Kaur H, Sarma P, Bhattacharyya A, Sharma DJ, Prajapat M, **Omar BJ** et al. Serum ferritin as a predictive biomarker in COVID-19. A systematic review, meta-analysis and meta-regression analysis. J Crit Care 2022;67:172-81
6 **Bhatia M**, Shamanna V, Nagaraj G, Sravani D, Gupta P, Omar BJ, Chakraborty D, Ravikumar KL. Molecular characterization of carbapenem-resistant Klebsiella pneumoniae clinical isolates: preliminary experience from a tertiary care teaching hospital in the Himalayas. Trans R Soc Trop Med Hyg. 2022 Jan 13: trab189. doi: 10.1093/trstmh/trab189.
7 Singh A , Mohan K, **Omar BJ** , Chacham S , Chaturvedi J , Basu S and Bhakat R. Congenital Malaria in Newborns Delivered to Malaria-infected Mothers in the Hilly Region of Northern India: Is it Deadly?. Current Pediatric Reviews. 2022; 18(1):53-58
8 Singh A, Gupta P, **Mathuria Y P, Omar BJ** et al. Comparative Evaluation of Nasopharyngeal and Oropharyngeal Swab Based Rapid SARSCoV-2 Antigen Detection and Real-Time RT-PCR for Diagnosis of COVID-19 in Tertiary Care Hospital.

Cureus 2021 13(7): e16785.

9 Deka S, Barua D, Bahurupi Y, **Kalita D.** Assessment of the Prevalence of Soil-Transmitted Helminth Infections and Associated Risk Factors among School-Aged Children in a Flood Affected Area of Northeast India. Am J Trop Med Hyg. 2021 Jul 6;105(2):480–9.

10 Gupta N, Kaur H, Yadav PD, Mukhopadhyay L, Sahay RR, **Kalita D** et al. . Clinical Characterization and Genomic Analysis of Samples from COVID-19 Breakthrough Infections during the Second Wave among the Various States of India. Viruses. 2021 Sep 7;13(9):1782

11 Khoiwal K, **Kalita D,** Dhundi D, Kumari R, Shankar R, Gaurav A, Bahadur A, Chaturvedi J. Detection of SARS-CoV-2 in biological samples of pregnant women infected with COVID-19: A prospective cross-sectional study. Int J Gynaecol Obstet. 2021 Dec;155(3):542-546.

12 Mahanta P, Deka H, Sarma B, Konwar R, Thakuria KD, **Kalita D** et al. Knowledge, Attitude, Practice and Preparedness toward COVID-19 Pandemic among Healthcare Workers in Designated COVID Hospitals of a North-Eastern State of India. Hosp Top. 2021 Aug 28:1-10

13 Bora N, Mahanta P, Konwar R, Basumatari B, **Kalita D** , Deka S. et al. Evaluation of Time Consumption for Debonding Brackets Using Different Techniques: A Hospital-Based Study. J Healthc Eng. 2021 Aug 24;2021:5567863

14 Bora N, Mahanta P, **Kalita D**, Deka S, Konwar R, Phukan C. Enamel Surface Damage following Debonding of Ceramic Brackets: A Hospital-Based Study. Scientific World Journal. 2021 May 6;2021:5561040.

15 Mahanta P, **Kalita D**, Phukon C, Konwar R, Das K, Deka S et al. Indian Medical Undergraduates' Perceptions of Effective Teaching Methods: A Cross-Sectional Study. Adv Med EducPract. 2021 May 11;12:473-479

16 Khoiwal K, **Kalita D**, Shankar R, Kumari R, Dhundi D, Bahadur A et al. Identification of SARS-CoV-2 in the vaginal fluid and cervical exfoliated cells of women with active COVID-19 infection: A pilot study. Int J Gynaecol Obstet. 2021 Jun;153(3):551-553

17 Khoiwal K, **Kalita D**, Kumari R, Dhundi D, Shankar R, Kumari R et al. , Gaurav A, Bahadur A, Panda PK, Tomy A, Chaturvedi J. Presence of SARS-CoV-2 in the lower genital tract of women with active COVID-19 infection: A prospective study. Int J Gynaecol Obstet. 2022 Feb 26

18 Parchani A, Vidhya K, Panda PK, Rawat VS, Bahurupi YA, **Kalita D** et al. Fear, Anxiety, Stress, and Depression of Novel Coronavirus (COVID-19) Pandemic Among Patients and Their Healthcare Workers - A Descriptive Study. Psychol Res Behav Manag. 2021 Oct 22;14:1737-1746.

19 Das B, Sarkar C, Rawat VS, **Kalita D**, Deka S, Agnihotri A. Promise of the NLRP3 Inflammasome Inhibitors in In Vivo Disease Models. Molecules. 2021 Aug 18;26(16):4996.

20 Deka S, **Kalita D,** Gupta P, Mathuria YP. A contemporary insight into the sero-epidemiology of Toxoplasma gondii infection in the foot-hills of Himalayas: A cross-sectional study from a tertiary care center in Northern India. Nepal J Epidemiol. 2021;11(1); 937-948

21 Singh A, Gupta P, **Mathuria Y P,** et al. Comparative Evaluation of Nasopharyngeal and Oropharyngeal Swab Based Rapid SARS-CoV-2 Antigen Detection and Real-Time RT-PCR for Diagnosis of COVID-19 in Tertiary Care Hospital . Cureus. 2021; 13(7): e16785. doi:10.7759/cureus.16785

22 Mohan A, Tiwari P, Suri TM, Mittal S, Patel A, Jain A, Velpandian T, Das US, Boppana TK, Pandey RM, Shelke SS, Singh AR, Bhatnagar S, Masih S, Mahajan S, Dwivedi T, **Sahoo B**, Pandit A, Bhopale S, Vig S, Gupta R, Madan K, Hadda V, Gupta N, Garg R, Meena VP, Guleria R. Single-dose oral ivermectin in mild and moderate COVID-19 (RIVET-COV): A single-centre randomized, placebo-controlled trial. J Infect Chemother. 2021 Dec;27(12):1743-1749

23 Deka S, **Kalita D**, Paul M, Badoni G, **Mathuria YP.** Seroprevalence and Determinants of ToRCH Pathogens in Pregnant Women in the Sub-Himalayan

Region. Cureus. 2022 Feb 5;14(2):e21946

Book published

1. Deka S, **Kalita D**, Rani D. Sampling technique and diagnosis of SARs-CoV-2. In: Dobhal R, Uniyal DP, Bhardwaz KN, editors. Novel Corona Virus (Covid 19), Past, Present and Future. Dehradun: Uttarakhand State Council for Science and Technology (UCOST);2022.327-46
2. **Kalita D**, Deka S. Molecular epidemiology of SARS CoV-2. In: Dobhal R, Uniyal DP, Bhardwaz KN, editors. Novel Corona Virus (Covid 19), Past, Present and Future. Dehradun: Uttarakhand State Council for Science and Technology (UCOST); 2022.349-60

10.18 Department Of Neonatology

I) National Publications

1. Shubham S, Naseeruddin S, Rekha US, **Priyadarshi M**, Gupta P, **Basu S**. Wickerhamomyces anomalus: A Rare Fungal Sepsis in Neonates. Indian J Pediatr. 2021 Aug;88(8):838. doi: 10.1007/s12098-021-03783-9..
2. **Singh P**, Kumar M, **Basu S**. Gastric Lavage for Prevention of Feeding Intolerance in Neonates Delivered Through Meconium-Stained Amniotic Fluid: A Systematic Review and Meta-Analysis. Indian Pediatr. 2021 Oct 15;58(10):973-977.
3. Dalai R, **Priyadarshi M**, Verma A, Naranje P. Neonatal Pneumocephalus Secondary to Acinetobacter Meningitis. Indian J Pediatr. 2021 Jun;88(6):616.
4. Anand P, Thukral A, Deorari AK. National Neonatology Forum Network. Dissemination of Best Practices in Preterm Care Through a Novel Mobile Phone-Based Interactive e-Learning Platform. Indian J Pediatr. 2021 Nov;88(11):1068-1074.

II) International Publications

1. Sharma S, Banerjee T, Kumar A, Yadav G, **Basu S**. Extensive outbreak of colistin resistant, carbapenemase (blaOXA-48, blaNDM) producing Klebsiella pneumoniae in a large tertiary care hospital, India. Antimicrob Resist Infect Control. 2022 Jan 6;11(1):1
2. Mandal S, Kaur D, Negi G, **Basu S**, Chaturvedi J, Maji M, Malhotra S. Irregular erythrocyte antibodies among antenatal women and their neonatal outcome at a tertiary care hospital in Northern India. Postgrad Med J. 2021 Nov 22:postgradmedj-2021-140497. doi: 10.1136/postgradmedj-2021-140497.
3. Singh A, Mohan K, Omar BJ, Chacham S, Chaturvedi J, **Basu S**, Bhakat R. Congenital Malaria in Newborns Delivered to Malaria-infected Mothers in the Hilly Region of Northern India: Is it Deadly? Curr Pediatr Rev. 2022;18(1):53-58
4. **Chaurasia S**, **Priyadarshi M**, **Singh P,** Upadhyay J, **Basu S**. Solving the riddle of papulonodular eruptions in a neonate. J Paediatr Child Health. 2021 Oct 26. doi: 10.1111/jpc.15815.
5. Upadhyay J, Kumar S, **Singh P**, **Basu S**. Cortical hemodynamic activity and pain perception during insertion of feeding tubes in preterm neonates: a randomized controlled cross-over trial. J Perinatol. 2022 Jan;42(1):121-125
6. Digal KC, **Singh P**, Srivastava Y, Chaturvedi J, Tyagi AK, **Basu S**. Effects of delayed cord clamping in intrauterine growth-restricted neonates: a randomized controlled trial. Eur J Pediatr. 2021 Jun;180(6):1701-1710.
7. Grover R, Shubham S, **Basu S**. Strategies for neonatal care during the COVID-19 pandemic: a lower middle-income country perspective. International Journal of Contemporary Pediatrics 2021 May;8(5):950-957.
8. Rajvanshi N, Bhakat R, Saxena S, Rohilla J, **Basu S**, Nandolia KK, Agrawal S, Bhat NK, Chacham S. Magnetic Resonance Spectroscopy in Children With Developmental Delay: Time to Look Beyond Conventional Magnetic Resonance Imaging (MRI). J Child Neurol. 2021 May;36(6):440-446.
9. Madathil S, **Priyadarshi M**, Antony S, Rauf Kk A, John ST. Respiratory Distress in a Newborn with Severe Birth Asphyxia. J

Pediatr. 2021 Oct; 237:312-313.

10. Setlur K, **Priyadarshi M**, Singh S, Verma A. A Masquerader of Neonatal Persistent Pulmonary Hypertension. J Pediatr. 2021 Jun; 233:281-282.
11. Gopalakrishnan S, Chaurasia S, Sankar MJ, Paul VK, Deorari AK, Joshi M, Agarwal R. Correction: Stepwise interventions for improving hand hygiene compliance in a level 3 academic neonatal intensive care unit in north India. J Perinatol. 2021 Dec;41(12):2847
12. Antimicrobial Resistance Collaborators. Global burden of bacterial antimicrobial resistance in 2019: a systematic analysis. Lancet. 2022 Feb 12;399(10325):629-655

Book published

Singh P, Basu S. Infants born to Hepatitis B positive mother. In: Textbook of Clinical Neonatology, Official Publication of Indian Academy of Pediatrics & National Neonatology Forum, India, 2021.

10.19 Department of Neurology

I) National Publication

1 **Kumar N**, Prashant LK, Goyal V. Wilson's Disease update: An Indian perspective. Annals of Indian Academy of Neurology. 2021 Sep 1;24(5):652.

2 Radhakrishnan DM, Bhasi A, Saurya S, Shree R, **Kumar N.** Spinal Intramedullary Neurocysticercosis– An Unusual Cause of Paraparesis. JAPI. 2021 Sep;69(9):11-2.

3 Bhatia R, Haldar P, Puri I, Srivastava MP, Bhoi S, Jha M, Dey A, Naik S, Guru S, Singh MB, Vishnu VY. Study protocol: IMPETUS: Implementing a uniform stroke care pathway in medical colleges of India: IMPETUS Stroke.Annals of Indian Academy of Neurology. 2022

II) International Publication

1 Madhaw G, **Kumar N**, Divya MR, Shree R. Infantile Ascending Hereditary Spastic Paralysis with extrapyramidal and extraocular manifestations associated with a novel ALS2 mutation. Movement Disorders Clinical Practice. 2021. Nov. 28.

2 **Kumar N,** Gupta R**.** Disrupted Sleep During a Pandemic. Sleep Medicine Clinics. 2022 Mar 1;17(1):41-52.

3 Madhaw G, Radhakrishnan DM, **Kumar N**. Syringomyelia after spinal anaesthesia: A case report. Trop Doct. 2022 Jan;52(1): 178-181

4 Kataria N, Yadav P, Kumar R, **Kumar N**, Kumar M, Kant R, Kalyani CV. Effect of Vitamin B6, B9, and B12 Supplementation on Homocysteine Level and Cardiovascular Outcomes in Stroke Patients: A Meta-Analysis of Randomized Controlled Trials. Cureus. 2021 May. 13(5):11;13(5):e14958

5 Desai I, Tiwari A, **Singh MK**, **Kumar N.** Successful thrombolysis in essential thrombocythemia-related acute ischaemic stroke. BMJ Case Reports CP. 2021 May 1;14(5):e242925.

6 **Kumar M**, Dhar N, **Tiwari A**, Siddiqui MS. Comparison of patterns of infarction in TB and cryptococcal meningitis. Trans R Soc Trop Med Hyg. 2021 Oct 1;115(10):1160-1167

7. Singh R, Chakrabarti SS, Gambhir IS, Verma A, Kumar I, Ghosh S, **Tiwari A,** Chandan G, Chakrabarti S, Kaur U. Acute Cardiac Events After ChAdOx1 nCoV-19 Corona Virus Vaccine: Report of Three Cases. American Journal of Therapeutics. 2022 Jan 11

8. Maurya PK, Singh AK, Tiwari A, Qavi A. Recurrent stroke in varicella zoster associated vasculopathy. Nepal Journal of Neuroscience. 2021 Sep 1;18(3).

9. **Kumar M,** Kalita J, Kant Misra U, Dhar N. Prediction models for mechanical ventilation and outcome in Guillain-Barré syndrome. J Clin Neurosci. 2021 Oct;92: 131-135.

Book published

Book chapters:

1. **Kumar N**, Madhaw G. Infections and Movement Disorders. In "Parkinson's disease and Movement Disorders (2nd Edition),"a publication of The Parkinson's Disease and Movement Disorder

Society(Editor in Chief: Bhattacharya K) 2022.

2. Madhaw G, **Kumar N.** Sleep in Multiple sclerosis. In Sleep and Neuropsychiatry. Editor: Gupta R, PandiPerumal SR, Neubeaur D. Published by Springer. 2022.
3. Desai I, **Kumar N.** Sleep disorders in myopathy. In Sleep and Neuropsychiatry. Editor: Gupta R, PandiPerumal SR, Neubeaur D. Published by Springer. 2022.
4. Kalita J, Kumar M, Jadhav M.. Clinical and electrophysiological pitfalls in the diagnosis of neuromuscular junction disorders; Handbook of clinical electrophysiology

10.20 Department of Neurosurgery

I) National Publication

1. **Arora RK**, Shakya J, **Sadhasivam S**, **Rekapalli R**, Mittal RS. Use of Marker Computed Tomography as a Navigational Tool for Performing Minicraniotomies. Indian Journal of Neurosurgery. 2022 Feb 7 DOI https://doi.org/10.1055/s-0041-1730874.
2. Swain SK, Sherwani P, **Arora RK**, Mittal RS. A rare case of cervical vertebral arteriovenous fistula in neurofibromatosis type 1. J Med Evid 2021;2:61-3.
3. **Arora RK**, Mittal RS, Khapre M, Kumar S, Singh B, Aggarwal SP, Arora P. Graduating from Laboratory to Operating Rooms—the Way Forward for Future Surgeons!. Indian Journal of Surgical Oncology. 2021; 5:1-7.doi.org/10.1007/s13193-021-01360-2
4. Angral S, Varshney S, **Arora RK**, Malhotra M, Tyagi AK, Kumar A. Anterior craniofacial resection for squamous cell carcinoma ethmoid sinus involving anterior skull base. Ann Indian Acad Otorhinolaryngol Head Neck Surg 2021;5:38-41 DOI: 10.4103/aiao.aiao_5_20
5. **Goyal N**. Life after Subarachnoid Hemorrhage: Is Everything All Right? Neurol India. 2021 Mar-Apr;69(2):342-343
6. Mudgal SK, Sharma SK, **Chaturvedi J**, Chundawat DS. Effects of Health Promotion Model-Based Visual Learning Module on Self-Efficacy and Health Promotion Behavior of Stroke Survivors: A Nonrandomized Controlled Trial. J Neurosci Rural Pract. 2021 Apr;12(2):389-397. doi: 10.1055/s-0041-1727407. Epub 2021 Apr 23.; PMCID: PMC8064866.
7. Dhar M, **Chaturvedi J**, Panda PK, Patnaik I, Dhar P. Dynamics of health-care professional deployment in COVID-19 pandemic. J Med Evid 2021;2:101
8. Sharma M, Sherwani P, Venkataram T, **Sihag RK**. Intraventricular Pneumocephalus: Ruptured Occipital Encephalocele. Indian J Pediatr. 2022 Mar 30. doi: 10.1007/s12098-022-04149-5.

II) International Publication

1. **Arora RK, Sadhasivam S** as a part of COVIDSurg Collaborative; GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Anaesthesia. 2021;76:748-58.
2. **Arora RK**, Mittal RS, **Rekhapalli R**, et al. Simulation Training for Neurosurgical Residents: Need versus Reality in Indian Scenario. Asian J Neurosurg. 2021;16:230-5. doi:10.4103/ajns.AJNS_463_20
3. **Arora RK, Sadhasivam S** as a part of COVIDSurg Collaborative; GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia. 2022;77:28-39. doi:10.1111/anae.15563
4. **Arora RK, Sadhasivam S** as a part of COVIDSurg Collaborative; GlobalSurg Collaborative. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anaesthesia. 2021 Nov;76:1454-64. doi: 10.1111/anae.15560. Epub 2021 Aug 9.
5. **Arora RK, Sadhasivam S** as a part of COVIDSurg Collaborative. Effect of COVID-19 pandemic lockdowns on

planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study. Lancet Oncol. 2021;22:1507-17. doi: 10.1016/S1470-2045(21)00493-9.

6. Darbari A, **Arora RK**, Sharma R, Sharma R, **Sadhasivam S**. Bilateral Extra-Cranial Internal Carotid Artery Aneurysms in a Young Adult: A Rare Entity. Cureus. 2021 Jul 22;13(7):e16551. doi: 10.7759/cureus.16551.
7. **Arora RK, Sadhasivam S** as a part of COVIDSurg Collaborative & GlobalSurg Collaborative. Vaccination modelling for safe surgery to save lives: data from an international prospective cohort study Br J Surg. 2021;108:1056-63. doi: 10.1093/bjs/znab101.
8. Chattopadhyay D, Vathulya M, Jayaprakash P, Kapoor A, Verma V, **Arora R**. Occipitofrontal switch for correction of anterior plagiocephaly planned through virtual mock surgery. Surg Neurol Int 2021;12:148.
9. Baid H, Arora P, **Arora RK**, Chawang H, Pillai A. Difficult Mask Ventilation in Penetrating Facial Trauma Due to Animal Attack: A Unique Challenge in the Emergency Department. Cureus. 2022;14: e23831. doi: 10.7759/cureus.23831.
10. Anilakumari D, Arora P, Gupta P, **Arora RK**. Partial occlusion of left axillary artery in a patient undergoing robot-assisted radical cystectomy. J Minim Access Surg. 2022;18:142-4. doi: 10.4103/ jmas. JMAS_51_21.
11. Rekha JR, Arora P, **Arora RK**, Arora M. Anesthetic Management in a Case of MURCS Syndrome. Anesth Essays Res. 2021;15:454-6. doi: 10.4103/aer. aer_137_21.
12. Swain SK, **Arora RK**, Sharma SK, Nandolia K, Basu G, Rekhapalli R, Arora P, Rajpal G, Sherwani P, Saxena S, Mittal RS. Vertebral arteriovenous fistula in neurofibromatosis type 1. J Neurosurg Sci. 2022;66:54-61. doi: 10.23736/S0390-5616.21.05232-2.
13. **Goyal N**, Arora S, Kulsheshtra P, Gupta P. Microsurgical DREZotomy in spastic cerebral palsy: Poor man's baclofen pump. World Neurosurg. Volume 149, May 2021, Pages e170-e177.
14. **Goyal N**, Kumar P. Putting 'CSF-shift' edema hypothesis to test: Comparing cisternal and parenchymal pressures after basal cisternostomy for head injury. World Neurosurg. Volume 148, April 2021, Pages e252-e263.
15. **Goyal N**, Gupta K. Letter to the Editor Regarding- COVID-19 impact on neurosurgical practice: lockdown attitude and experience of a European academic center. World Neurosurg. 2021 Apr;148:221-223. doi: 10.1016/j.wneu.2020.09.117
16. Singh PR, Sharma RK, **Chaturvedi J**, Nayak N, Sharma AK. Surgical Outcome of Large Solid Posterior Fossa Hemangioblastoma without Preoperative Embolization. J NeurolSurg A Cent EurNeurosurg. 2021 Aug 25. doi: 10.1055/s-0041-1728766. Epub ahead of print.
17. **Goyal N**, Gupta K, **Chaturvedi J**, Swain SK, Tomy A. Getting Neurosurgery Services Back on Its Feet: "Learning to Live" with COVID-19. Asian J Neurosurg. 2021 May 28;16(2):340-348. doi: 10.4103/ajns.AJNS_497_20..
18. **Goyal N**, Chandra PP, **Chaturvedi J**. Letter to the Editor Regarding "Management of Neurosurgical Cases in a Tertiary Care Referral Hospital During the COVID-19 Pandemic: Lessons from a Middle-Income Country". World Neurosurg. 2021 Aug;152:245-246. doi: 10.1016/j.wneu.2021.05.015
19. Panda PK, Panda P, Dawman L, **Sihag RK**, Sharawat IK. Efficacy and Safety of Thalidomide in Patients with Complicated Central Nervous System Tuberculosis: A Systematic Review and Meta-Analysis. Am J Trop Med Hyg. 2021 Jul 27;105(4):1024-1030. doi: 10.4269/ajtmh.21-0108.
20. Sharawat IK, Panda PK, **Sihag RK**, Panda P, Dawman L. Efficacy and safety of corpus callosotomy and ketogenic diet in children with Lennox Gastaut syndrome: a systematic review and meta-analysis. Childs Nerv Syst. 2021 Aug;37(8):2557-2566. doi: 10.1007/s00381-021-05174-z.
21. Sharawat IK, Panda PK, **Sihag RK**, Panda P, Dawman L. Efficacy and safety profile of Selumetinib in symptomatic inoperable

plexiform neurofibromas: a systematic review and meta-analysis. J Neurosurg Sci. 2022 Mar 17. doi: 10.23736/S0390-5616.21.05528-4. Epub ahead of print.

Book chapters published

1. **Chaturvedi J**, Sharma R, Sharma A, Indira Devi B. Cranioplasty. Handbook of Neurotrauma; Volume 2, Cranial Trauma (Official publication of Neurotrauma Society of India), Salubris Medical Publications, 2021, Chapter 25, Page 508-529 Handbook of Neurotrauma; Volume 2, Cranial Trauma.
2. Kartik k, Sharma A, **Chaturvedi J**, Sharma R, Biswas S, Deora H, Indira Devi B. Traumatic Carotid Cavernous Fistula. Handbook of Neurotrauma; Volume 2, Cranial Trauma (Official publication of Neurotrauma Society of India), Salubris Medical Publications, 2021, Chapter 24, Page 478-507Handbook of Neurotrauma; Volume 2, Cranial Trauma.

10.21 Department of Nuclear Medicine

I) National Publication

1. Rajendiran R, Semwal P, Joshi K, **L Narayan** M, Bhat NK, Bolia R. Thyrotoxic Dysphagia in a Child. Indian J Pediatr. 2021 Oct;88(10):1046
2. Parneet S, Jeevan S, Tejasvini S, Pradeep P, Barun K, **Narayan ML.** Vital role of lymphoscintigraphy in idiopathic recurrent chylopericardium: A rare entity. 13th biennial conference of the Nuclear Cardiological Society of India [NCSI] - 2021 & Indian Heart Journal 73, S 89, Dec' 2021
3. **Dhingra VK**. Understanding the "Conflict of Interest". Journal of Current Medical Research and Opinion. 2021 May 4;4(05): 937-9.
4. Meena A, Veerwal H, **Dhingra VK**, Dhingra M. Unexpected metastasis to breast, lymph node, subcutaneous, abdominal wall, intraabdominal, and bone in osteogenic osteosarcoma: An unusual presentation on bone scintigraphy. Indian Journal of Nuclear Medicine. 2022 Jan 1;37(1):91
5. Meena A, Veerwal H, **Dhingra VK**, Dhingra M. Role of 99mTc-Methylene Diphosphonate Bone Scintigraphy in the Evaluation of the Viability and the Incorporation of the Bone Allograft Used in Orthopedic Reconstruction. Indian journal of nuclear medicine: IJNM: the official journal of the Society of Nuclear Medicine, India. 2022;37(1):74-7.

II) International Publication

1. Kumar P, Singh P, Veerwal H, Ravi B, **Narayan ML.** Utility of Axillary Reverse Mapping (ARM) and Incidence of Metastasis in Arm Draining Lymph Nodes in Patients with Breast Cancer. World J Nucl Med. 2022;21(1):28-33.
2. Thaduri A, Bansal A, Anthony ML, **Narayan ML**, Chug A, Garg PK. Brown tumor, parathyroid adenoma, and papillary thyroid cancer: A triple whammy. Oral Oncol. 2021 May;116:105159
3. Sharma G, Kumar P, Veerwal H, et al. Cutaneous Metastases as Initial Presentation of Lung Carcinoma. Cureus. 2021; 13(5): e15344.
4. Naithani M, Khapre M, Kathrotia R, Gupta PK, **Dhingra VK**, Rao S. Evaluation of Sensitization Program on Occupational Health Hazards for Nursing and Allied Health Care Workers in a Tertiary Health Care Setting. Front Public Health. 2021 Jun 16;9:669179.
5. Mukherjee K, Sur D, Singh A, Rai S, Das N, Sekar R, Narindi S, **Dhingra VK,**Jat B, Balraam KV, Agarwal SP. Robust expression of LINE-1 retrotransposon encoded proteins in oral squamous cell carcinoma. BMC cancer. 2021 Dec;21(1):1-5
6. Jain S, **Dhingra V**, Kant R, Kumari R. Comparison of gastric motility in patients of type 2 diabetes mellitus with various degrees of glycemic control. World Journal of Nuclear Medicine. 2021 Oct;20

(04):336-41

7. Vathulya M, Dhingra M, Nongdamba H, Chattopadhyay D, Kapoor A, **Dhingra VK**, Mago V, Kandwal P. Evaluation of pedicled flaps for type IIIB open fractures of the tibia at a tertiary care center. Archives of Plastic Surgery. 2021 Jul;48(04):417-26.

8. Kumar A, Negi M, Khanka J, Dhingra M, Kumari R, **Dhingra V,** Gupta M. Initial experience with use of infrared assistance for intravenous injection of radiopharmaceuticals. World Journal of Nuclear Medicine. 2021 Apr;20(02):172-5.

10.22 Department of Nephrology

I) National Publication

Sharma GS, Lata H, Bhowmik D, Sharma SK. Impact of COVID-19 pandemic on care of renal patients. J Med Evid 2021;2:19-23

II) International Publication

1. **Kandari S**, Chakurkar V, Gaikwad S, Agarwal M, Phadke N, Lobo V. High prevalence of CFHR deletions in Indian women with pregnancy-associated hemolytic uremic syndrome. Nephrology. 2021;1-7.

2. Vivekanand N, Singh RN, Kumari N, Ranjan R, **Saini S**. A Novel Association Between Coronavirus Disease 2019 and Normocomplementemic Rapidly Progressive Glomerulonephritis- Crescentic Immunoglobulin A Nephropathy: A Report of Two Pediatric Cases. Cureus. 2022 Feb 10;14(2).

3. Agarwal A, Sherwani P, Saurya, Bhunia NS, **Dhoot DK**. Unusual cause of urinary retention in a child: inflammatory pseudotumor of the urinary bladder. Ann Pediatr Surg 17, 27 (2021).

10.23 Department of Nursing College

I) National Publication

1. Arora D, **Belsiyal CX**, Rawat VS. Prevalence and determinants of posttraumatic stress disorder and depression among survivors of motor vehicle accidents from a hilly Indian state. Indian J Psychiatry. 2021 May-Jun;63(3):250-257.

2. **Kumar R**, Das A, Singh V, Gupta P, Bahurupi Y. Rapid Survey of Psychological Status of Health Care Workers during the initial phase of COVID-19 pandemic: Single centre study at AIIMS Rishikesh. Journal of medical evidence 2021;2: 213-28.

3. **Kumar R**, Rodney T. Advancing Nursing Practice in India: Historical Lessons from the United States. Indian Journal of continuing nursing education. 2021; 22: 115-22.

4. **Kumar R**, Tamar R. Moral Injury & Ethical Dilemma during COVID-19: Pandemic's Fallout for Nurses. Journal of Medical Evidence, 2021; 2:272-5

5. Bairwa M, **Kumar R**, Beniwal K, Kalita DJ, Bahurupi Y. Haematological profile and biochemical markers of COVID-19 non-survivors: A retrospective analysis. Clinical epidemiology and global health. 2021; 11:1-6

6. **Kumar R**, Kumar S, Vasthare R. Beneficiary perspectives toward medical health camps in the Himalayan Regions: A new education strategy for medical undergraduates. Natl J Physiol Pharm Pharmacol 2021;11 (Online First). DOI: 10.5455/njppp.2021.11.04133202119052021

7. Sharma R, **Kumar R**, Sharma P,Verma D, Sharma MK, Sharma A, et al. Knowledgeand practice of nurses regarding standard precautionsin a tertiary care public hospital, North India. Int JCommunity Med Public Health 2021;8:5376-82

8. **Sharma R**, Vishwas AS, Jelly P, Chadha L, Stephen S, Rao S. Modalities and essentials of simulation facility for facilitation of clinical skills to medical and nursing students: Need for the present era. Journal of Surgical Specialties and Rural Practice. 2022 Jan 1;3(1):1.

9. **Sharma R**, Rohilla KK, Chadha L,

Malhotra P, Sharmila S, Jelly P. Strategy to prevent infection from Covid-19 among security officers of tertiary care centre: A preexperimental study. J Family Med Prim Care. 2021 Sep;10(9):3257-3261.

10. **Jelly P**, Choudhary S, **Sharma R**, Mahala P, Aggarwal P. Role of Mass Media on Mankind: Time to Rethink. Pondicherry Journal of Nursing. 2021 14(2) : 37-41. 10.5005/jp-journals-10084-12167
11. Saxena V, Kalyani V, **MalarKodi S**, Dhar M, Verma A, Senkadhirdasan, Praveersaxena. Control of Blood Pressure in District Dehradun, India: is Rule of Halves Still Valid?. Indian Journal of Public Health Research & Development. 2021; 12(3), 523–532.
12. **Sharma R**, Garadi S, **Malar Kodi S**, Jelly P. The burden of childhood epilepsy and its impact: Parental perspectives. IP Int J Med Paediatr Oncol 2022;8(1):1-5.
13. **Kuppuswamy R**, Narayan D, Tiwari J, Koulash H, Kaur A, Gehlot I, Lamo J, Saini D, Grewal A, Dolma C, Meena D. Effectiveness of virtual learning module on knowledge and attitude regarding standard days method among public health workers. Indian Journal of Continuing Nursing Education. 2021 Jul 1;22(2):168
14. **Sharma M**, Darbari A, Sharma R, Kumar B. Evidence-based review for cardiac rehabilitation program development status and necessity in India. Heart and Mind. 2021 Apr 1;5(2):27.
15. **Sharma M**, Sharma D, Sharma AK, Mohanty A, Khapre M, Kalyani CV. Barriers faced by health-care workers in use of personal protective equipment during COVID pandemic at tertiary care hospital Uttarakhand, India: A qualitative study. Journal of Education and Health Promotion. 2022;11.
16. Singh V, Narula H, Supehia S, **Sharma M**, Gupta PK, Sharma A, Rao S. Impact of Video Modules-Based Training on Knowledge, Attitude, and Practices of Cleaning and Disinfection Among Housekeeping Staff at a Tertiary Care Center During the COVID-19 Pandemic. Cureus. 2021 Oct 29;13(10).
17. Shah Z, Singh V, Supehia S, Mohan L, Gupta PK, Sharma M, **Sharma S**. Expectations of healthcare personnel from infection prevention and control services for preparedness of healthcare organisation in view of COVID-19 pandemic. MJAFI. 2021 Jul 1;77:S459-65.
18. Singh V, Supehia S, Gupta PK, Narula H, **Sharma M**, Devi K, Bhute AR. Effectiveness of video modules in infection control trainings during COVID-19 pandemic: A quasi-experimental study in tertiary care institute. Journal of education and health promotion. 2021;10(1).

II) International Publication

1. Gulia S, **Arora S**. Perceived stressors and outcomes among professionals working from home during COVID-19 pandemic in India. Int J Community Med Public Health. 2021 Apr;8(4):1726-32
2. **Mishra R**, Kurian B, Nair DV, Singh K, Bawari M, Joseph S. Effect of educational intervention on awareness regarding health hazards of junk food consumption among engineering students. IP International Journal of Medical Paediatrics and Oncology. 2021;7(2):73-8
3. **Mishra R**, Arora D, Nungnu A. Identification of Classroom Behaviors among the School going Children with a view to Develop a Guideline on Management of Indiscipline Behaviors. Research & Reviews: A Journal of Health Professions. 2021; 11(2): 6–12
4. Patiyal N, Kalyani V, **Mishra R**, et al. Effect of Music Therapy on Pain, Anxiety, and Use of Opioids Among Patients Underwent Orthopedic Surgery: A Systematic Review and Meta-Analysis. 2021;Cureus 13(9): e18377. DOI 10.7759/cureus.18377
5. **Mishra R**, Sharma SK, Verma R, Kangra P, Dahiya P, Kumari P, Sahu P, Bhakar Kumawat R, Kaur R, Kaur R, Kant R. Medication adherence and quality of life among type-2 diabetes mellitus patients in India. World J Diabetes 2021; 12(10): 1740-49
6. **Mishra R**, Sharma SK, Kalyani V, Gupta P, Gupta P. Incidence, Response, and Factors Associated with Needle Stick Injuries among Undergraduate Nursing Students: A Cross-sectional Study. International Journal of Africa Nursing Sciences 15 (2021) 100370

7. **Belsiyal CX**, Srivastav A, Ray S, Prasad MK, Pakhare AP, Rathinam BAD. Comparison of the effect of in vitro and in vivo exposure on cadaveric anxiety among first year medical and nursing students. J Educ Health Promot. 2022 Mar 23;11:109.
8. **Belsiyal CX**, Kalyani C V, Deol R, Sharma SK, Mery A. Depression in hospitalized older adults with chronic illness from a hilly Indian state. Perspect Psychiatr Care. 2022 Feb 11.
9. Haokip HR, Chauhan H, Rawat I, Mehra J, Jyoti J, Sharma K, Sachan K, Kaur K, Krishal M, Mery A, Dinesh K, Sharma, **Belsiyal CX**. Relationship between spirituality and depression among patients with malignant cancer at a selected tertiary care Institute - A study from North India. J Psychosoc Oncol. 2021 Nov 29:1-16.
10. **Malarkodi S, Belsiyal CX**, Deol R, Sankarapandian C. Perception and Anxiety of Indian Population during COVID-19 Pandemic: A Questionnaire-based Survey. Int J Med Public Health. April-June 2021;11(2):90-
11. Bairwa M, **Kumar R**, Bahurupi Y, Kant R. Predictors of Critical Illness and Mortality based on Symptoms and Initial Physical Examination for Patients with SARS-CoV-2: A Retrospective Cohort Study. Journal of infection and public health 2021; 14:1028-1034
12. Kataria N, Yadav P, **Kumar R**, et al. Effect of Vitamin B6, B9, and B12 Supplementation on Homocysteine Level and Cardiovascular Outcomes in Stroke Patients: A Meta-Analysis of Randomized Controlled Trials. Cureus 2021; 13(5): e14958. DOI 10.7759/cureus.14958
13. Bairwa M, **Kumar R**, Yadav P, Bahurupi Y, Kant R. Awareness, perception, and mitigating measures on COVID-19: Do we still need to educate our masses on COVID-19? J Edu Health Promot 2021; 20:275
14. **Kumar R**, Bairwa M, Beniwal K, Kant R. COVID-19 vaccine acceptability, determinants of potential vaccination, and hesitancy in public: A call for effective health communication. J Edu Health Promot 2021;10:392
15. Dharra S, **Kumar R**. Promoting Mental health of nurses during the coronavirus pandemic: Will the rapid deployment of nurses' training programs during COVID-19 improve self-efficacy and reduce anxiety? Cureus 2021;13(5): e15213. DOI 10.7759/cureus.15213
16. Bairwa M, **Kumar R**, Beniwal K, Bahurupi Y, Kant R. Determinants of COVID-19 vaccine acceptance among Health Care Workers (HCWs): A Quick On-line Survey from the Republic of India. Korean Journal of Family Medicine 2021 Nov;42(6):445-452
17. Thaduri A, Sehrawat A, Poonia DR, A. Das R. **Kumar R**, A. Varghese R. Kottayasamy Seenivasagam, Garg PK, Gupta MK, Agarwal S. A longitudinal cohort study on assessing the impact COVID-19 pandemic on the mental health of cancer care providers: Developing world scenario. Annals of Oncology 32(5): 2021.
18. Badyal D, Khapre M, **Deol R**, Sharma A. Near Peer Tutor: A solution for quality medical education in faculty constraint setting. Cureus.2021;13(7):e16416.
19. Malar Kodi S, Belsiyal XC, **Deol R**, Sankarapandian C. Perception and anxiety of Indian Population during COVID 19 pandemic: A questionnaire based survey. Int J Med Public Health.2021;11(2):90-5
20. Gahlawat M, Kodi M, **Deol R**. Effect of external cold and thermomechanical stimulation on anxiety and pain during intravenous cannulation among children. Sudan J Paediatr. 2021;21(2):162–172.
21. Yadav MS, **Kodi SM, Deol R**. Impact of mobile phone dependence on behavior and academic performance of adolescents in selected schools of Uttarakhand, India. J Edu Health Promot. 2021;10:327
22. Chattopadhyay D, **Deol R**, Malhotra R, Vathulya M. Cleft Lip/Cleft Palate Infants and Breastfeeding: A Survey. Int J Cur Res Rev. 2021; 13(13):138-140
23. Thakur P, **Deol R**, Kaur N, Bains HS. Effect of cartoon animation movie on level of pain during intravenous cannulation among children. Int J Cur Res Rev. 2021; 13(13):175-183.
24. Khawa SP, **Deol R, Kodi SM**. Knowledge and practices regarding personal hygiene among primary school children. Int J

Community Med Public Health 2021;8:5370-5.

25. Sharma R, Garadi S, Malar Kodi S, **Jelly P**. The burden of childhood epilepsy and its impact: Parental perspectives. IP Int J Med Paediatr Oncol 2022;8(1):1-5.
26. Yadav R, **Jelly P**, Sharma SK, Sharma R. Views of Nurses, Obstetricians, and Mothers Regarding Independent Nurse-Midwifery Practitioner: A Mixed-Method Study. Journal of Neonatology. 2022 Mar;36(1):32-41.
27. Thakur A, **Sharma R**, Sharma SK, Thakur K, **Jelly P**. Effect of buerger allen exercise on foot perfusion among patient with diabetes mellitus: A systematic review & meta-analysis. Diabetes & Metabolic Syndrome: Clinical Research & Reviews. 2022 Jan 13:102393.
28. **Jelly P,** K Sharma S, Saxena V, Arora G, Sharma R. Exploration of Breastfeeding Practices in India: A Systematic Review. Journal of Holistic Nursing And Midwifery. 2022 Jan 10;32(1):58-68.
29. **Sharma R, Jelly P**, AS V, Chadha L, Saxena V, Mohan L. A comparative study of attitudes towards COVID-19 vaccination in the rural and urban population of Uttarakhand, India. Journal of Global Health Economics and Policy. 2021;1:e2021018
30. Singh S, Sharma S, Bishnoi S, Saini S, Jose S, **Sharma R, Jelly P**. Sleep Quality Index and Factors Influencing Sleep of Patients in Tertiary Care Hospital: A Cross-Sectional Study. Sleep and Vigilance. 2021 Dec;5(2):259-66.
31. Sharma R, Kumar R, Sharma P, Verma D, Sharma MK, Sharma A, Jelly P. Knowledge and practice of nurses regarding standard precautions in a tertiary care public hospital, North India. Int J Community Med Public Health 2021;8:5376-82.
32. **Sharma R**, Garadi S, **Jelly P**, Rani R, Transformation in nursing education in India: Current issues. IP Int J Med Paediatr Oncol 2021;7(3):115-118
33. Arora G, **Jelly P**, Mundhra R, **Sharma R**. Comparison of L-Shape and Side-Lying Positions on Breastfeeding Outcomes among Mothers Delivered by Cesarean Section: A Randomized Clinical Trial. J Caring Sci. 2021 Aug 23;10(3):121-128.
34. **Sharma R**, Mohanty A, Singh V, Gupta PK, **Jelly P**, Gupta P, Rao S. Effectiveness of video-based online training for health care workers to prevent COVID-19 infection: An experience at a tertiary care level institute, Uttarakhand, India. Cureus. 2021 May 1;13(5).
35. Chaudhary S, **Jelly P**, Mahala P, Mary A. Effect of back massage on relieving pain during labour: a systemic review. International Journal of Reproduction, Contraception, Obstetrics and Gynecology. 2021 May; 10(6): 2466-2472.
36. **Kodi S M**, Sharma SK. Realities, scope, challenges, and facilitators for implementation of nurse practitioner's role in India: A review. International journal of nursing sciences. 2021 Apr 10;8(2):237-42
37. **Sharma R**, Kumar R, Sharma P, Verma D, Sharma MK, Sharma A, et al. Knowledge and practice of nurses regarding standard precautions in a tertiary care public hospital, North India. Int J Community Med Public Health 2021;8:5376-82.
38. Goswami G, Sharma SK, **Sharma R**, Rani R. Simulation and Skill Training Facilities in Nursing Institutes at Uttarakhand: A Cross-Sectional Study. Iran J Nurs Midwifery Res. 2021 Sep 2;26(5):449-454. doi: 10.4103/ijnmr.IJNMR_325_20. PMID: 34703785; PMCID: PMC8491820.
39. Stephen S, Issac A, Radhakrishnan RV, Jacob J, Vijay VR, Jose S, Azhar SM, Nair AS, Krishnan N, **Sharma R**, Dhandapani M. Scrutiny of COVID-19 response strategies among severely affected European nations. Osong Public Health Res Perspect. 2021 Aug;12(4):203-214.
40. Sharma M, Darbari A, **Sharma R**, Kumar B. Evidence-based review for cardiac rehabilitation program development status and necessity in India. Heart Mind 2021;5:27-32
41. **Rani R**, Kaur S, Gupta M. Effect of a nurse-led pre-chemotherapy education programme on quality of life and psychological distress of patients with breast cancer; a pilot based randomized controlled trial. Int J Community Med Public Health. 2021;8(6):2812.
42. Khantwal G, Sharma SK, **Rani R**, Agarwal SP. Effect of postsurgical nurse-led follow-ups on quality of life in head-and-neck

cancer patients: A pilot randomized controlled trial. Asia Pac J Oncol Nurs. 2021;8(5):573–80.

43. Sharma P, K Bindu, **Rani R**, Triza J. A study to develop skill in urinary catheter care among caregivers of neurologically debilitated patients.International Journal of Neurological Nursing 2021;7(1).

Book published

Kumar S, **Mishra R**, Yukta, Priyadarshani R. Corona se bachao ek sajak pahal. Pratibha book Publishers. 2021. (In Hindi language

10.24 Department of Ophthalmology

I) National Publication

1. **Mittal SK,** Mittal S, Saraswat NK, Kishore S, **Agrawal A,Singh A, Samanta R**, Bahurupi, Y. Burden of ocular morbidities and color blindness among school-attending children in a foothill town of Uttarakhand State, Indian Journal of Ophthalmology: January 2022;70 (1):249-55

2. **Mittal SK**, Rana R, Puthalath A, **Agrawal A, Anupam, Gupta N**, Mittal S. Ocular effects of mobile phone radiation. Indian Journal of Clinical and Experimental Ophthalmology 2022;8(1):1–6.

3. Waghamare SR, Mittal S, Pathania M, **Samanta R,**KumawatD,**Gupta N, Mittal SK**' Comparison of choroidal thickness in systemic hypertensive subjects with healthy individuals by spectral domain optical coherence tomography, Indian Journal of Ophthalmology. 2021;69 (5):1183-8

4. Aggarwal H, **Gupta N**, Garg P, Sharma M, **Mittal S**, Kant R. Hospital Cornea Retrieval Programme in a startup eye bank – A retrospective analysis and lessons learned. Indian J Ophthalmol 2021;69: 1517-21

5. Rana R, Kumawat D, Sahay P, Gour N, Patel S, **Samanta R, Singh A,Mittal SK**. Perception among ophthalmologists about webinars as a method of continued medical education during COVID-19 pandemic. IndianJOphthalmol 2021;69: 951-7

6. Aggarwal H, Nishant P, Sood G, Ramawat A, **Agrawal A, Mittal SK, Samanta R**. A Case of Recurrent Vasculitic Vitreous Haemorrhage in One Eye and Idiopathic Choroidal Granulomas in The Fellow Eye of A Young Individual.DJO. 2021;31:88-92.

7. Jamil M, **Anupam, Samanta R**, **Mittal SK**. A comparative analysis of morphometric changes in the angle of anterior chamber after cataract surgery Int J Res Med Sci. 2021 Aug;9(8):2296-2303

8. Puthalath AS, **Gupta N, Samanta R, Singh A**, Kumawat D, **Mittal SK**. Cobalt blue light unit filter - A smartphone attachment for blue light photography. Indian J Ophthalmol 2021;69:2841-3.

9. Samanta R, Sood G, **Agrawal A**. Posterior segment manifestations of Rickettsial disease. Indian J Ophthalmol. 2021 May; 69(5):1171-1172.

10. **Samanta R,**Sood G, Kumawat D, Saraswat N, **Agrawal A**, Garai A. Papilledema associated unilateral juxtafoveal choroidal neovascularization in a patient of intracranial chondro-sarcoma. Indian J Ophthalmol Case Rep 2022; 2:190-192.

11. **Singh A,** Verma R, Saxena V, Kumari R, Patnaik N, **Agrawal A**. Biosocial Determinants of Concomitant Strabismus in Children and Adolescents: A Hospital-Based Observational Study. Ann. Int. Med. Den. Res. 2021; 7(3): OT01-OT06.

12. **Gupta V,** Das S, Mohan S, et al.RAPD as a clinical alert for early evidence of Dysthyroid optic neuropathy". J Family Med Prim Care 2022;11:370-5

13. Kumar B, Soni S, **Singh A.** Right coronary artery intervention through right radial access in a patient with aberrant right subclavian artery and anomalous origin of right coronary artery. Heart India 2021;9: 188-90.

14. **Singh A,** Chawla O, Verma R, Saxena V, Kumari R, Patnaik N, Kumar B, Kumawat D. Refractive errors andconcomitant strabismus in children and adolescents: A

hospital based observational study. Delhi J Ophthalmol 2021; 32(2):24 -29

15. **Singh A**. Corticosteroid use in ophthalmology; challenging the traditional approaches in setting of COVID 19 pandemic. Uttaranchal J Ophthalmol. 2021;15:5-8

16. Sharma S, Chawhan A, Sharma P, Verma S, **Mittal SK, Singh A**. Approach to pediatric cataract: An update. Uttaranchal J Ophthalmol. 2021;15: 57-81.

17. Rani N, Pal H, Rana A, Sharma P, Khurana M, Kumar A, **Singh A**. Rapidly progressive primary orbital rhabdomyosarcoma in a 3 month old infant: A case report. Uttaranchal J Ophthalmol. 2021;15: 103-110.

18. Rana A, Rani N, Chaturvedi J, **Singh A**. Monostotic orbital fibrous dysplasia leading to proptosis in a 11 year old boy. Uttaranchal J Ophthalmol. 2021; 15: 111-118.

19. Garai AK, Jayraj S, Panyala R, Vathulaya M, Durgapal P, **Singh A.** A rare case of intra-orbital and extra-orbital arteriovenous malformation (AVM) in an infant. Indian Journal of Strabismus and Pedriatic Ophthalmology. 2021; 9(1):106-110.

20. Khan SI, Kumar A, Panda PK, **Gupta N.** Xerophthalmia with secondary malabsorption syndrome in a young lady. J Family Med Prim Care 2021;10:3515-8.

21. Patnaik N, **Gupta** N, Reddy R, Shrinkhal, **Mittal SK**. Unilateral Christmas Tree Cataract with Bilateral Cerulean Cataract: A Unique Case. J Med Evid 2021;2:37-9

II) International Publication

1. Nandi SK, Singh D, UpadhayJ,**Gupta N**, Dhiman N, **Mittal SK**, Mahindroo N. Identification of tear-based protein and non-protein biomarkers: Its application in diagnosis of human diseases using biosensors. Int J BiolMacromol. 2021 Dec 15;193(Pt A):838-846

2. **Singh A**, Patnaik N, **Mittal S K**, et al. Factors Determining Improvement in Stereopsis and Binocularity After Good Postoperative Alignment in Patients With Childhood-Onset Strabismus. Cureus. 2022;14(2): e21964. doi:10.7759/cureus.21964

3. **Gupta V,** Luthra S, Maheshwaril S et al. Relapsing Neuromyelitis Optica in an adolescent girl. BMJ Case Rep 2021**;** dx.doi.org/10.1136/bcr-2021-242402

4. **Gupta V.** Luthra S, Puthalath AS et al. **U**ndiagnosed malignant hypertension presenting as a direct spontaneous carotid-cavernous fistula with complete loss of vision and hyphaemia". BMJ Case Rep 2022;15:e246243.doi:10.1136/bcr-2021-246243

5. Sood G, **Samanta R**, Kumawat D, **Agrawal A, Singh A**. Clinical profile and retinal nerve fibre layer thickness of optic disc oedema patients at a tertiary care institute in North India. Ther Adv Ophthalmol.2022;14:1-11

6. **Singh A**, Saxena V, Yadav S, **Agrawal A**, Ramawat A, **Samanta R,**Panyala R, Kumar B. Comparison of home-based pencil push-up therapy and office-based orthoptic therapy in symptomatic patients of convergence insufficiency: a randomized controlled trial. Int Ophthalmol. 2021;41(4):1327-1336

7. **Singh A**, Sharma P, Pal H, Sharma S, Dixit A. Isolated Sixth Nerve Palsy as the First Manifestation of Cavernous Sinus Metastasis From Primary Breast Cancer. Cureus 2021;13(12): e20094. doi:10.7759/cureus.20094

8. **Singh A,**Panyala R, Irfan K A, **Samanta R,** Kumar B. An Unusual Presentation of Retrobulbar Cavernous Hemangioma in a Young Woman. Cureus 2021;13(8): e17508. doi:10.7759/cureus.17508

9. **Singh A**, Jayaraj S, Kumar B. The Missing Links in AS-OCT in Locating the Insertion of Horizontal Extraocular Muscles After Strabismus Surgery. J PediatrOphthalmol Strabismus. 2021;58(4):270

10. Kumar B, Kodliwadmath A, Upadhyay A, **Singh A**, Darbari A, Nanada N. Cor triatriatum with supramitral ring: "cortetratriatum", associated with Raghib syndrome with Eisenmenger syndrome: multimodality imaging approach in this exceedingly rare case report. *Egypt Heart J* 2021;73:66

11. **Singh A**, Pandey PK, Mittal SK, Chowdhury N. Comment on the Article: Overminus Lens Therapy in the Manage-

ment of Children with Intermittent Exotropia: Points to Ponder. J CurrOphthalmol. 2021;33(3):363.

12. Kumar B, Kodliwadmath A, Gore P, Chauhan G, Upadhyay AN, Darbari A, **Singh A**, Kumar A, Nanda N. Acute Left Ventricular Systolic Dysfunction Following Device Closure of Ruptured Sinus of Valsalva Aneurysm. JACC Case Rep. 2022;4(3):121-127.
13. Kumar B, Kodliwadmath A, Upadhyay A, **Singh A**, N N. Apparently normal epicardial coronaries in a patient with inferior wall myocardial infarction on the background of mild coronavirus disease-2019: take a second look! Monaldi Arch Chest Dis. 2021;91(3).
14. Juneja A, Puthalath AS, **Gupta N,** et al. Isolated bilateral limbal dermoid, preauricular skin tags and ametropic amblyopia. BMJ Case Rep 2021;14: e245078
15. Puthalath AS, **Gupta N, Samanta R,** et al. Congenital aniridia with ectopia lentis and unilateral buphthalmos: an unusual presentation. BMJ Case Rep 2021;14: e244000
16. Kaur S, Dogra M, Sukhija J, **Samanta R**, Singh SR, Grover S, et al. Preterm refraction and ocular biometry in children with and without retinopathy of prematurity in the first year of life. Journal of American Association for Pediatric Ophthalmology and Strabismus. 2021 Oct 1;25(5):271-e1
17. Yadav S, Kumawat D, Irfan KSA, Patel S, **Samanta R**. Case Report: Atypical Presentation of Neuroretinitis in a Middle-aged Woman with Pre-existing Maculopathy. Optometry and Vision Science. 2021 Sep 1;98(9):1021-4.
18. Saraswat NK, **Samanta R**, Puthalath AS, Luthra S, Sood G, **Mittal SK**. Optical coherence tomography angiography-guided diagnosis of a traumatic choroidal rupture-associated choroidal neovasular membrane and its management with intravitreal ranibizumab. Taiwan J Ophthalmol 2021; 11:300-4
19. Puthalath AS, **Samanta R**, Joshi P, Jayaraj S. Bilateral multifocal choroidal metastasis as the presenting feature of non-small-cell lung carcinoma. BMJ Case Reports. 2021 Apr 1;14(4).

Book published

Chapter in Book: Shrinkhal S, Verma R, Singh A. Diagnosis of Dry Eye. In: Ferreri, F. M. , editor. Dry Eye Syndrome - Modern Diagnostic Techniques and Advanced Treatments [Internet]. London: IntechOpen; 2021

10.25 Department of Obstetrics & Gyanecology

I) National Publication

1. **Bahadur A, Mundhra R**, Rao S, Shukla AK, Prateek S, Chaturvedi J, Singh U, Sharma JB. Conducting Post-Graduate Medical Practical Examination In Gynaecology During Covid-19 Pandemic. Indian Obstetrics and Gynaecology. 2021 May 24;11(1).
2. **Chawla L, Rajaram S**, Yadav A, Kaur D, Gupta S,Chaturvedi J. Technique of intrauterine foetal blood transfusion – A video article. J Med Evid 2022;3:80-1. (PDF) Technique of intrauterine foetal blood transfusion – A video article.
3. **Gaurav A**, Choudhuri S, Arora S, Kumari N, Sehrawat A,Chaturvedi J. Exceptional responders in Gynecologic Oncology: A case series and review of literature. Indian Journal of Gynecologic Oncology, 19, 80 (2021).
4. **Khoiwal K**, Mishra D, **Gaurav A**, Kumari R, Chaturvedi J. Post-placental versus Interval Insertion of Intrauterine CuT Device: A Prospective Comparative Study. Indian J Health Sci and Care 2021;8(2):102-108.
5. Prateek S, **Chaturvedi J**, **Chawla L**, Sharma S, Kochhar N, Chaudhary D, Mundhra R, Yadav A. Natural orifice non-descent hysterectomy - revisiting fading surgical art. J Evolution Med Dent Sci 2021;10(44):3781-3784
6. **Rajaram S**, Gupta B. Screening for cervical cancer: Choices & dilemmas. Indian Journal of Medical Research. 2021:154 (2); 210-22
7. **Rajaram**, S. Reflections on Authorship (Editorial) Indian J Gynecol Oncolog 19, 68 (2021).
   https://doi.org/10.1007/s40944-02100568-y
8. Nimodia V, Jain S; **Rajaram S**, Tyagi A, Gupta B. Effect of Diluted Vasopressin vs Saline on Intraoperative Blood Loss during Vaginal Hysterectomy- A Randomised Controlled Trial. Journal of Clinical and Diagnostic Research 2021: 15 (6); 13-17 DOI: 10.7860/JCDR/2021/49162.15064
9. **Bahadur A, Mundhra R**, Kashibhatla J, Verma N, Rajput R, Bahurupi Y. Comparison of anthropometric and metabolic parameters between normal and deficient Vitamin D polycystic ovarian syndrome women. J Med Evid 2021; 2:4-8
10. **Bahadur A, Mundhra R**, Kumar RK. Laparoscopy in Gynaecology-a review. JPOG. Nov/Dec 2021;12(6):178-81
11. Prateek S, Chawla L, Yadav A, Sharma S. Natural orifice vaginal hysterectomy for very large – size uterus. J Med Evid 2021;2;243-53

II) International Publication

1 **Bahadur A**, Kumari P, **Mundhra R**, Ravi AK, **Chawla L**, Mahamood M M, Kumari P, Chaturvedi J. Evaluate the Effectiveness of Enhanced Recovery After Surgery Versus Conventional Approach in Benign Gynecological Surgeries: A Randomized Controlled Trial. Cureus. 2021 Jul 21;13(7):e16527

2 **Chawla L**, Singh M, Sharma A, Rajaram S, Bahadur A, Kochhar N, Prateek S, Chaturvedi J. E poster Abstract P0815 "Birth Companionship during the Covid 19 pandemic: A quality improvement endeavour". Intl J Gynecol Obstet 2021. DOI: 10.1002/ijgo.13886

3 **Khoiwal K**, Agarwal A, Mittal A, **Gaurav A, Chawla L, Mundhra R, Bahadur A, Chaturvedi J.** The lethal effect of the second wave of COVID-19 on pregnant women: A matter of concern. Int J Gynaecol Obstet. 2022;156(1):178-181.

4 **Khoiwal K**, Agarwal A, **Gaurav A**, Kumari R, Mittal A, Sabnani S, **Mundhra R, Chawla L, Bahadur A, Chaturvedi J**. Obstetric and perinatal outcomes in pregnant women with COVID-19: an interim analysis.Women Health. 2022;62(1):12-20.

5 **Khoiwal K**, Kalita D, Dhundi D, Kumari R, Shankar R, **Gaurav A, Bahadur A, Chaturvedi J.** Detection of SARS-CoV-2 in biological samples of pregnant women infected with COVID_19: A prospective cross-sectional study.Int J Gynaecol Obstet. 2021;155(3):542-546.

6 **Khoiwal K**, Mishra J, Chowdhuri S, Paul P,

Agarwal A, **Gaurav A, Chaturvedi J.** What is your diagnosis. J Turk Ger Gynecol Assoc. 2021;22(3):249-252.

7 **Khoiwal K**, Kapoor N, **Gaurav A**, K R, Reddy KK, **Chaturvedi J**. The effect of Body Mass Index on Peri-operative parameters of total laparoscopic hysterectomy: An institutional experience.Cureus. 2021;13(6):e15558.

8 **Khoiwal K**, Agarwal A, Ravi A, **Chaturvedi J.** A Unique Minimally Invasive Management of Cervicovaginal agenesis. BMJ Case Rep 2021;14:e242862. doi:10.1136/bcr-2021-242862.

9 **Khoiwal K**, Kapoor N, **Gaurav A,** Kumari O, **Chaturvedi J**. Unidirectional Barbed Suture Versus Polyglactin 910 Suture for Vaginal Cuff Closure in Total Laparoscopic Hysterectomy Cureus. 2021;13(4):e14257.

10 **Khoiwal K**, Kalita D, Shankar R, Kumari R, Dhundi D, **Bahadur A**, Panda PK, **Chaturvedi J**. Identification of SARS-CoV-2 in the vaginal fluid and cervical exfoliated cells of women with active COVID-19 infection: A pilot study. Int J Gynaecol Obstet. 2021;153(3):551-553.

11 **Gaurav A**, Kapur D, Verma N, **Bahadur A, Khoiwal K**, Agarwal A, Kumari O, Chaturvedi J. Do Blood-borne viruses affect the progression of labor: A hospital based pilot study.Cureus. 2021;13(6):e15631.

12 Kumari O, **Gaurav A, Khoiwal K**, Gupta A, Kapur D, Halder R, **Chaturvedi J**. Incidentally Diagnosed Placenta Accreta Managed Conservatively in a Primigravida – Case Report and Review of Literature. International Journal of Reproduction, Contraception, Obstetrics and Gynecology 2022 (accepted).

13 **Gaurav A**, Kapur D, **Khoiwal K**, Choudhuri S, Ravi AK, **Chaturvedi J**. "See and Treat" An advocated perspective for pre invasive lesions of the cervix. International Journal of Gynecologic Cancer .2021;Vol 31.Suppl

14 **Gaurav A**, Mishra J, Sharma R, **Khoiwal K**, Yadav R, **Chaturvedi J.** Pancytopenia and transient synovitis of hip joint in a SARS CoV-2 positive pregnant female: a case report. International Journal of Reproduction, Contraception, Obstetrics and Gynecology. 2021 Jul 1;10(7):2910-4.

15 Singh N, **Rajaram S**, Gupta B, Mehndiratta A, Singh S. Role of Training Sessions on Cervical Cancer Preventive Strategies in Improving Knowledge and Attitude of Accredited Social Health Activists. International Journal of Tropical disease & health 2021: 42 (13);13-17.DOI: 10.9734/ijtdh/2021/v42i1330507

16 Kashyap A, **Rajaram S**, Gupta B, Arora V, Upreti L, JainS. Evaluation offrozen section biopsy for fasttrack diagnosis of end ometrial pathology in high-risk women with abnormaluterine bleeding. EurJ Obstet Gynecol Reprod Biol, 2021: 264; 97–102

17 B W Mol, S Wood, LT Rode, A Tabor, M M Aboulghar, R Porcher, M-V Senat, R Bagga, **Rajaram S** et al Evaluating Progestogens for Preventing Preterm birth International Collaborative (EPPPIC): meta-analysis of individual participant data from randomised controlled trials The EPPPIC Group* Lancet 2021; 397: 1183–94.

18 Aggarwal D, Wadhwa N, Arora T, **Rajaram S**, Diwaker P, Halder A, Jain M, Mishra K. Human telomerase RNA component (hTERC) gene expression and chromosome 7 ploidy correlate positively with histological grade of cervical intraepithelial neoplasia.Cytopathology 2021;32(5):631-39

19 **Chawla L**, **Rajaram S**, Arora S, Chauhan U, Misra J Minimally invasive management of pyoperitoneumina COVID‐19 patient: Athera peuticdilemma. IntJGynaecol Obstet 2021;153(1):179-180.

20 **Mundhra R, Bahadur A**, Sharma S, Gupta DK, Mahamood M M, Kumari P, Zaman R, Paul P, Rao S. Emergency Peripartum Hysterectomy During COVID-19 Pandemic. Cureus. 2021 Dec 20;13(12):e20524.

21 **Bahadur A**, Ravi AK, Rajput R, **Mundhra R**. Annular cervical detachment during caesarean section. BMJ Case Rep. 2021 Sep 13;14(9):e245070.

22 **Bahadur A**, Ravi AK, Ajmani M, **Mundhra R**. Youssef syndrome with a summary of management options. BMJ Case Rep. 2021 Aug 10;14(8):e244247.

23 **Bahadur A, Mundhra R**, Kashibhatla J, Chawla L, Ajmani M, Sharma S, Zaman R, Sri MS. Intraoperative and Postoperative Complications in Gynaecological Surgery: A Retrospective Analysis. Cureus. 2021 May 7;13(5):e14885.

24 **Bahadur A, Mundhra R**, Sherwani P, Kumar S. Robot-assisted partial cystectomy for bladder endometriosis: dual approach involving cystoscopy and robotic surgery. BMJ Case Rep. 2021 Aug 24;14(8):e244342

25 **Bahadur A**, Verma N, **Mundhra R, Chawla L**, Ajmani M, Sri MS, Arora S. Correlation of Homeostatic Model Assessment-Insulin Resistance, Anti-Mullerian Hormone, and BMI in the Characterization of Polycystic Ovary Syndrome. Cureus. 2021 Jun 30;13(6):e16047.

26 **Bahadur A**, Kumawat M, **Chawla L**, Kapur D, Bahurupi Y, **Mundhra R**. Robotic-Assisted Hysterectomy for Benign Indications of Uteri Less Than Fourteen Weeks Size Versus More Than Fourteen Weeks Size: A Comparative Study. Cureus. 2021 May 26;13(5):e15263.

27 Singh S, **Chawla L,Bahadur A, Rajaram S** , Jindal A, Prateek S. E poster Abstract number P0225 : "Follow Up Ultrasound Images After Surgically Assisted Medical Management of Cesarean Scar Pregnancy" published in the Intl J Gynecol Obstet 2021. DOI: 10.1002/ijgo.13886

28 Kumar A, Sharma A, Mohan Y, Patnaik I, Kumar A, **Khoiwal K**, Negi G, Gupta R. Therapeutic plasma exchange in acute fatty liver of pregnancy: a case report and literature review. Pan African Medical Journal 2022;40:220.

Book published

1. Nigam A, Kriplani, A, Tripathi R, **Rajaram S**, Malik S, Saxena. Recent Advances in Obstetrics & Gynecology Eds. P 2021, Evangel Publishing, New Delhi 2021
2. **Rajaram S**, Gupta B. Malignant diseases of the vagina, Section – 26, Gynecological Oncology. In FOGSI's Postgraduate Gynecology (Volume 2). Publishers: Jaypee Brothers Medical Publishers Eds: Gandhi A, Tank P, Purandare A, 2022
3. Gupta B, **Rajaram S**. Diagnosis and management of vulval lesions. In Yearbook of Obstetrics and Gynecology 2020. Eds. Mala Arora, Monika Gupta. Evangel publishing, 2022.
4. **Rajaram S**, Agarwal D. Genetics and Pathogenesis- A Recent Update. In Gestational Trophoblastic Disease Eds Nayak B, Singh U, 2021, Springer Nature, Singapore, pp 19-28. https://doi.org/10.1007/978-981-33-4878-3
5. **Bahadur A**, Mundhra R, Kant R (eds). Robotic Gynecologic Surgery. 2021. Thieme Medical and Scientific Publishers. ISBN: 9789390553877

10.26 Department of Orthopaedics

I) National Journal

1. Ifthekar S, Yadav G, Ahuja K, Mittal S, P Venkata S, **Kandwal P**. Correlation of spinopelvic parameters with functional outcomes in surgically managed cases of lumbar spinal tuberculosis- A retrospective study. Journal of Clinical Orthopaedics and Trauma 2022 Mar;26:101788
2. Singh S, Verma A, Jain A, Goyal T, **Kandwal P,** Arora SS. Infection and utilization rates of bone allografts in a hospital-based musculoskeletal tissue bank in north India. Journal of Clinical Orthopaedics and Trauma. 2021 Dec; 23:101635
3. Goyal N, Ahuja K, Yadav G, Gupta T, Ifthekar S, **Kandwal** P. PEEK vs Titanium Cage for Anterior Column Reconstruction in Active Spinal Tuberculosis: A Comparative Study. Neurol India 2021;69(4):966
4. Singh.G, **Kandwal.P**, et al. Iatrogenic Renal Artery Injury Necessitating Nephrectomy Following Lumbar Interbody Fusion for Tubercular Spondylodiscitis Indian Journal of Orthopaedics 2021 May 17;55 (Suppl 2):513-517
5. S Raja B, Gowda AKS, Ansari S, Choudhury AK, **Kalia RB**. Comparison of Functional Outcomes, Femoral Rollback and Sagittal Stability of Anterior-Stabilized Versus Posterior-Stabilized Total Knee Arthroplasty: A Systematic Review and Meta-analysis of Randomized Controlled Trials. Indian J Orthop. 2021 Aug 23;55(5):1076-1086
6. Maheshwari V, **Dhingra M**, Yadav G. Evaluation of anatomical axis-joint center distance and anatomical axis-joint center ratio in distal femur and proximal tibia in coronal plane of Indian population. Journal of Clinical Orthopaedics and Trauma. 2021 Oct 1; 21:101513
7. Ansari S, **Dhingra M**. Impact of Covid-19 On Post-Operative Follow Up in Orthopaedic Surgeries. Indian Journal of Applied Research. 2021; 10: 36-38.
8. Moger NM, Pragadeeshwaran J, Verma A, K A V, Aditya KS, **Meena PK**. Outcome of neglected talus neck fracture and it's management: A case report. J Orthop Case Rep. 2021;11(4):41–4.
9. Rana A, Singh S, Das L, Moger NM, Rathore LP, **Meena PK.** Bilateral proximal humerus fracture with anterior shoulder dislocation and unilateral chronic Bankart lesion - A case report. J Orthop Case Rep. 2021;11(5):72–5.

II) International Publicationn

1. Verma V, Ifthekar S, Goyal N, Regmi A, **Kandwal P**, Azam Q, Sarkar B. Neglected floating cervical spine fracture with myelopathy and Anderson lesion of D2 D3: report of an unusual case. Spinal Cord Ser Cases. 2022 Feb 10;8(1):21
2. Sarkar B, Dubey S, Goyal N, Yadav G, Nongdamba H, Mittal S, et al. Acute spine care services during covid-19 pandemic and 'lockdown': case series and our perspective from a level 1 trauma centre. Spinal Cord Ser Cases. 2022 Dec;8(1):3
3. Mittal S, Ahuja K, Sudhakar PV, Ifthekar S, Yadav G, Sarkar B, **Kandwal P.** Simultaneous decompression of all stenotic regions versus decompression of only the most symptomatic region in patients with tandem spinal stenosis: a systematic review and meta-analysis. Eur Spine J. 2022 Mar;31(3):561-574
4. Sethy SS, Goyal N, Ahuja K, Ifthekar S, Mittal S, Yadav G, et al. Conundrum in surgical management of three-column injuries in sub-axial cervical spine: a systematic review and meta-analysis. Eur Spine J. 2022 Feb;31(2):301–10
5. COVIDSurg Collaborative, GlobalSurg Collaborative, Nepogodiev D, Simoes JF, Li E, Picciochi M, et al. Effects of preoperative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anaesthesia. 2021 Nov;76 (11):1454–64
6. COVIDSurg Collaborative, GlobalSurg Collaborative, Nepogodiev D, Simoes JF, Li E, Picciochi M, et al. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia [Internet]. 2022 Jan;77(1):28–39
7. COVIDSurg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. British Journal of Surgery [Internet]. 2021 Sep 27;108(9):1056–63
8. Ahuja K, **Kandwal P**, Ifthekar S, Sudhakar PV, Nene A, Basu S, et al. Development of

Tuberculosis Spine Instability Score (TSIS): An Evidence-Based and Expert Consensus-Based Content Validation Study Among Spine Surgeons. Spine. 2022 Feb 1;47(3):242–51

9. **Kandwal P.** Answer to the letter to the editor of T. Xu et al. concerning "Is detethering necessary before deformity correction in congenital scoliosis associated with tethered cord syndrome: a meta-analysis of current evidence" by Ahuja K, et al. (2021) Eur Spine J. 2021; 30(3):599–611
10. Goyal N, Bali S, Ahuja K, Chaudhary S, Barik S, **Kandwal P.** Posterior arthrodesis of atlantoaxial joint in congenital atlantoaxial instability under 5 years of age: A systematic review. J Pediatr Neurosci. 2021;16(2):97
11. COVIDSurg Collaborative; GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Anaesthesia. 2021 Jun;76(6):748-758
12. Vathulya M, **Dhingra M**, Nongdamba H, Chattopadhyay D, Kapoor A, Dhingra V.K., Mago V, **Kandwal P**. Evaluation of pedicled flaps for type IIIB open fractures of the tibia at a tertiary care center, Archives of Plastic Surgery 48(4) 2021 Jul;48(4):417-426.
13. Neyaz O, Yadav RK, Sharma R, **Kandwal P**. Tracheoesophageal fistula masquerading as dysphagia and aspiration in traumatic tetraplegia. J Med Evid 2022; 3:64-6
14. Vathulya M, Praveen AJ, Barik S, Jagtap MP, **Kandwal P**. A Systematic Review Comparing Outcomes of Local Flap Options for Reconstruction of Pressure Sores. Ann Plast Surg. 2022 Jan 1;88(1):105-113
15. Vathulya M, Agrawal M, Mohan L, **Kandwal P**, Vathulya V. A comparison of structural strength of free and attached earlobes using Young's modulus: A novel method. J PlastReconstrAesthet Surg. 2021 Aug;74(8):1931-1971.
16. Sethy SS, Ahuja K, Ifthekar S, Sarkar B, **Kandwal P.** Response to: Letter to the Editor, Is Anterior-Only Fixation Adequate for Three-Column Injuries of the Cervical Spine? Asian Spine J 2021;15(3):410-411
17. **Kandwal P,** Ahuja K. Letter to editor " Surgical outcome following Laminectomy with fusion vs Laminectomy alone in Degenerative cervical Myelopathy" Spine. 2021; 46(19): E1067
18. Raja BS, Choudhury AK, Paul S, Gowda AKS, **Kalia RB**. No Additional Benefits of Tissue Adhesives for Skin Closure in Total Joint Arthroplasty: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. J Arthroplasty. 2022 Jan;37(1):186-202
19. Raja BS, Jain A, Paul S, Choudhury AK, **Kalia RB**. Plate osteosynthesis in patellar fractures: a systematic review and meta-analysis. Eur J OrthopSurgTraumatol. 2021 Oct 19. doi: 10.1007/s00590-021-03143-5
20. Jain A, **Dhingra M**. Epidemiology of Malignant Bone Tumors in a Tertiary Care Hospital of the Himalayan Region of India: a Review of 97 Cases. SN Comprehensive Clinical Medicine. SN Comprehensive Clinical Medicine. 2021; 3(9)
21. **Dhingra M**, Goyal T, Yadav A, Choudhury AK. One-year mortality rates and factors affecting mortality after surgery for fracture neck of femur in the elderly. J Midlife Health. 2021 Oct-Dec;12(4):276-280.
22. Kumar A, Negi M, Khanka J, **Dhingra M**, Kumari R, Dhingra VK, Gupta MK. Initial experience with use of infrared assistance for intravenous injection of radiopharmaceuticals. World J Nucl Med. 2020 Oct 2;20(2):172-175
23. **Singh V**, Hayes HV, Kazemi N, Dey S, Parikh SN. The Holstein-Lewis humerus shaft fracture in children: are they different from adults? J PediatrOrthop B. 2021; 31(3):274-280.
24. Barik S, Das L, Yadav AK, Arora SS, **Singh V**. Results of ala carte Posteromedial Soft Tissue Release in Idiopathic Clubfoot. Malays Orthop J. 2021 Jul;15(2):89-95.
25. Chaudhary S, Garg V, Mishra D, YasamR,BarikS,SinhaSK,**Singh V.** Risk Factors for Avascular Necrosis of the Femoral Head in Pediatric Femoral Neck Fractures. Cureus.2021; 13(7).
26. Barik S, Singh G, Maji S, Azam M, **Singh V**. Preoperative prediction of Gartland IV supracondylar fractures of humerus:Is it possible? Brasileira de Ortopedia.2021; 56(2):230-4.
27. Chaudhary S, Maji S, Garg V, **Singh V.** Isolated multidrug-resistant tubercular tenosynovitis of the flexor tendon of the little finger. BMJ Case Reports CP

2021;14:e238339

28. Barik S, Singh G, **Singh V**. Reply to Letter to the Editor Regarding the Article:" Preoperative Prediction of Gartland IV Supracondylar Fractures of the Humerus: Is it Possible?" Resposta à carta ao editor referenteaoartigo: "PrevisãoPré-Operatória de FraturasSupracondilares de ÚmeroGartland IV: É Possível?"Rev Bras Orthop (Online first) 2022
29. Raja BS, Gowda AKS, Baby BK, Chaudhary S, **Meena PK**. Swashbuckler approach for distal femur fractures: A systematic review. J Clin Orthop Trauma. 2021 Nov 19;24
30. **Meena PK**, Moger NM, Pragadeeshwaran J, Singh S. Functional outcomes of gastrocnemius fascial turn-down flap with FHL augmentation in chronic Achilles tear: A short-term prospective study. Journal of Foot and Ankle Surgery (Asia Pacific). 2021;9(1):16–20.

10.27 Department of Otorhinolaryngology & Head-Neck Surgery (ENT)

I) National Publication

1. Bhardwaj A, **Malhotra M**, Nongthombam S D, **Priya M**, Sood R. Dual migration of organic foreign body in bronchus. IP Indian J AnatSurg Head Neck Brain. 2022;8(1):12-14.
2. Varshney S, Yadav MC, **Kumar A, Tyagi AK**, Kumar N, **Malhotra M, Priya M**, Bhardwaj A. Audiology lab tertiary centre: audit report 5 years. Indian J Otol. 2021; 27(3):124-30.
3. Mahato C, Magon N, Prasad S, Tyagi A. The mucormycosis surge in COVID-19 pandemic: an analysis of associated risk factors and review of literature of reported cases. International Journal of Otorhino-laryngology and Head and Neck Surgery [Online]. 2022;8(3)
4. Sood R, Gupta K, Varshney S, **Kumar A, Tyagi AK**, et al. Spectrum of Handicap in Unilateral Sensorineural Hearing Loss. Indian J Otolaryngol Head Neck Surg (2021). https://doi.org/10.1007/s12070-021-02916-y
5. Sood R, Varshney S, Gupta K. et al. The Impact of Unilateral Sensorineural Hearing Loss on Quality of Life of Sub-Himalayan Population. International Journal of Otolaryngology, 2022, Article ID 8304639, 5 pages https://doi.org/ 10.1155 /2022/8304639
6. Panda PK, Tomar A, Pillai GR, **Kumar A,** Sharawat IK. Infantile tremor syndrome and laryngomalacia: A novel association? Clin Nutr ESPEN. 2021 Jun;43:235-238
7. Panwar P, Gupta A, **Kumar A**, Gupta B, Navriya SC. Mucormycosis in COVID Diabetic Patients: A Horrifying Triad! Indian J Crit Care Med. 2021 Nov;25(11): 1314-1317.
8. Jat B, Majumdar KS, Thaduri A, Usmani SA, Dave J, **Kumar A, Tyagi AK**. Robot assisted modified retro-auricular approach for posterior triangle of neck: Thepath differently taken. Oral Oncology. 2022;124, Article 105633,
9. Gupta K, Varshney S, **Tyagi AK, Kumar A,**Sood R. Epidemiological study of unilateral sensorineural hearing loss in adults. Indian J Otol 2021;27:96-100
13. **Kumar A,** Subash A, Singh A. et al. Coblation-assisted excision of hypopharyngeal venous malformation: a case report. Egypt J Otolaryngol. 2021; 37, 57

II) International Publication

1. Verma R, Gowda VN, Singh A, **Priya M**, Kishore S, Joshi PP. Epistaxis: the cause found beyond the nose. Autops Case Rep. 2020 Dec 8;11:e2020207. doi: 10.4322/ acr.2020.207.
2. Panuganti A, Sahu MP, Rao N, **Malhotra M**. Chondrocutaneousconchal graft for optimal reconstruction of full-thickness lower eyelid defect: a reconstructive challenge. BMJ Case Rep. 2022 May 17;15(5):e247825.
3 Singh A, Bhardwaj A, Ravichandran N, **Malhotra M**. Surviving COVID-19 and multiple complications post total laryngectomy. BMJ Case Rep. 2021;14 (7):e244277
4 **Malhotra M, Priya M**, Bhardwaj A, **Tyagi AK, Kumar A**, Varshney S, Malhotra R. "Mushroom" Autologous Partial Ossicular Replacement Prosthesis: Long-term Results. OtolNeurotol. 2021;42(1):e60-e65.

Book published

Malhotra M, Varshney S, Priya M, Bhardwaj A, Gupta S. Studies on Different Techniques of Tympanoplasty: A Historical Review of Indian Perspectives. *Highlights on Medicine and Medical Research Vol. 14*, 5 June 2021, Page 99-108

10.28 Department of Paediatrics

I) National Publication

1. Rathaur VK, Vigneshwar NKV, Imran A, Pathania M, Agrawal S, **Chacham S, Verma PK**, **Bhat NK**. Rare but not Abdicated: Status of Haemophilia in foothills of Himalaya, Uttarakhand: A cross-sectional study. J Family Med Prim Care. 2021 Mar;10(3):1437-1442.
2. Kanwar, Bolia R , Bhakat R, **Chacham S,Bhat NK,** Alagille Syndrome Mimicking Biliary Atresia. Pediatric Gut and Liver Journal; April- June ; 2021: Vol-3 (2).10-12
3. **Verma PK,Bhat NK.** Oro-Facial-Digital Syndrome: Unspecified Type with the Spontaneous Fusion of Cleft Palate. Contemp Clin Dent. 2021 Oct-Dec;12(4): 454-458.
4. Mehta S, **Verma PK,** Rana R, **Bhat NK**. Subconjunctival cysticercosis - Is surgery always indicated? Role of medical management-literature review and report of two cases. J Family Med Prim Care. 2021 Sep;10(9):3519-3521.
5. Rajendiran R, Semwal P, Joshi K, Narayan ML, Bhat NK, Bolia R, Thyrotoxic Dysphagia in a Child July 2021 The Indian Journal of Pediatrics 88(10) DOI: 10.1007/s12098-021-03870-x
6. Vigneshwar NKV, Basu S, Naithani M, Vivekanand N, **Chacham S,** Singh P. Serum Calcium and Melatonin Levels in Neonates Undergoing Phototherapy. Indian J Pediatr. 2021 Aug;88(8):805-808.
7. Nandan R, Sharma G, Nandolia K, Saxena S, **Verma PK**. Acute hemorrhagic necrotizing encephalopathy in patients with COVID-19. Ann Indian AcadNeurol 2022;25:511-3
8. Roul PK, Saini A, Agarwal S,**Verma PK**, Syed A. Bilobed gallbladder: a rarecongenital anomaly of the biliary system. Int J ResMed Sci 2021;9:3729-32
9. **Verma PK, Bhat NK**. Oro-Facial-Digital Syndrome: Unspecified Type with the Spontaneous Fusion of Cleft Palate. Contemp Clin Dent. 2021 Oct-Dec;12(4): 454-458.
10. Tripathi AK, **Verma PK, Panda PK, Sharawat IK.** Mild Encephalitis/Encephalopathy with Reversible Splenial Change in Dengue Fever: The Boomerang Sign. Indian J Pediatr. 2021 Jun;88(6):619-620.
11. **Verma PK.** How to select a key finding for a syndrome searching: A systemic approach. J Med Evid 2021;2:280-3.
12. Puthalath AS, Gupta N, Samanta R, **Verma PK.** Congenital aniridia with ectopia lentis and unilateral buphthalmos: an unusual presentation. BMJ Case Rep. 2021 Aug 17;14(8):e244000.
13. Sharma K, Singh B, Naithani M, Chandra R, **Verma PK**. Short stature among girl child: a psychological burden or a social stigma-a review. Int J Community Med Public Health 2021;8:xxx-xx.
14. **Sharawat IK, Panda PK**, Sherwani P, Moirangthem V. Mitochondrial Membrane Protein-associated Neurodegeneration due to Novel Homozygous Mutation in the C19orf12 Gene. Ann Indian Acad Neurol. 2021 May-Jun;24(3):417-418.
15. **Panda PK, Sharawat IK**. Test Anxiety among School-Going Children and Adolescents, Factors Affecting and Impact on Quality of Life: A Multicenter Study: Correspondence. Indian J Pediatr. 2021 Sep;88(9):940-941.
16. **Panda PK, Sharawat IK**. Status Dystonicus: A Rare Manifestation of Cerebral Palsy - Correspondence. Indian J Pediatr. 2021 May;88(5):525-526.
17. Biswal S, Dubbudu A, Reddy GBP, Swain N, **Sharawat IK, Panda PK**. A Toddler with Acute Flaccid Paraparesis. Indian J Pediatr. 2021 Sep;88(9):931-932.
18. **Sharawat IK, Panda PK**. Early Discontinuation versus Continuation of Antimicrobial Therapy in Low Risk Pediatric Cancer Patients with Febrile Neutropenia, Before Recovery of Counts: A Randomized Controlled Trial (DALFEN Study)-Correspondence. Indian J Pediatr. 2021 Apr;88(4):422-423.

19. **Panda PK, Sharawat IK**. Pyruvate Dehydrogenase Complex Deficiency due to a De Novo Heterozygous Mutation in Exon 7 of PDHA 1 Gene Presenting as Isolated Severe Lactic Acidosis in an Infant: Correspondence. Indian J Pediatr. 2021 Apr;88(4):420-421.
20. **Panda PK**, Natarajan V, Vigneshwar NKV, **Sharawat IK**. Clinical Presentation and Outcome of Children with Brain Abscess. Ann Indian Acad Neurol. 2021 Nov-Dec;24(6):951-952.
21. **Panda PK, Sharawat IK,** Natarajan V, Bhakat R, Panda P, Dawman L. COVID-19 treatment in children: A systematic review and meta-analysis. J Family Med Prim Care. 2021 Sep;10(9):3292-3302.
22. **Panda PK, Sharawat IK**, Dawman L, Panda P, Kasinathan A, Rathaur VK. Efficacy and Tolerability of Lacosamide in Lennox-Gastaut Syndrome: A Systematic Review and Meta-analysis. J Neurosci Rural Pract. 2022 Jan 7;13(1):32-42.
23. **Panda PK,** Panda P, Dawman L, **Sharawat IK.** Systematic Review and Meta-analysis of Efficacy and Safety of Melatonin and Triclofos for Inducing Adequate Sedation for Sleep Electroencephalogram in Children. J Neurosci Rural Pract. 2021 Dec 30;13(1):3-11

II) International Publication

1. Rajvanshi N, Bhakat R, Saxena S, Rohilla J, Basu S, Nandolia KK, Agrawal S, **Bhat NK, Chacham S.** Magnetic Resonance Spectroscopy in Children With Developmental Delay: Time to Look Beyond Conventional Magnetic Resonance Imaging (MRI). J Child Neurol. 2021 May;36(6):440-446. doi: 10.1177/0883073820978006.
2. Bolia R, **Bhat NK**, Kaushal G, Conservative management of pancreatic ascites: The role of nasojejunal feeding September 2021 Pancreatology 21(1) DOI: 10.1016/j.pan.2021.09.013
3. Rajput S, Gupta R, Patnaik I, Bahurupi Y, Kumar P, Meena K, **Bhat NK**, Rana SV, Retrospective study of tissue transglutaminase antibody levels in celiac disease-suspected patients at tertiary care hospital in Uttarakhand June 2021 Acta Medica International 8(1):75 DOI: 10.4103/amit.amit_186_20
4. Saini K, Bolia R, **Bhat NK**, Incidence, predictors and outcome of sepsis-associated liver injury in children: a prospective observational study. European Journal of Pediatrics 2022. 181: 1699–1707
5. Varghese A, Dhar M, Rao S, Raina R , Mittal SK, Kumar B, **Bhat NK**. Effectiveness of Large-Scale Preparedness Training on Electrocardiogram for Medical, Surgical, and Pre-clinical Doctors: A Need-Based Initiative for COVID-19 Patient Care. Cureus 2022;14 (2): e22011. DOI 10.7759/cureus. 22011
6. Chegondi M, Billa RD, **Chacham S**, Gurnurkar S. Unusual Etiology of Hypercalcemia in an Adolescent With Acute Gastroenteritis. Cureus. 2021 Jul 19;13(7):e16483.
7. Singh S, Chegondi M, **Chacham S**, Kumar P, Goyal JP. Comparison of clinical and laboratory profile of pulmonary and extrapulmonary tuberculosis in children: A single-center experience from India. J Clin Transl Res. 2021 Jul 16;7(4):423-427.
8. Singh A, Mohan K, Omar BJ, **Chacham S,** Chaturvedi J, Basu S, Bhakat R. Congenital Malaria in Newborns Delivered to Malaria-infected Mothers in the Hilly Region of Northern India: Is it Deadly? CurrPediatr Rev. 2022;18(1):53-58.
9. Kumar N, **Chacham S**, Verma P.K. Texidor's twinge a rare cause of benign paroxysmal chest pain. Heart Vessels Transplant 2021; 5: doi: 10.24969/hvt.2020.236
10. Gokul RP, Rajvanshi N, **Chacham S**, Verma P.K. Lupus Nephritis: Viewing Kidneys Through Retinal Periscope. 2021-3(3) OAJBS.ID.000293
11. **Panda PK**, Panda P, Dawman L, Sihag RK, **Sharawat IK**. Efficacy and Safety of Thalidomide in Patients with Complicated Central Nervous System Tuberculosis: A Systematic Review and Meta-Analysis. Am J Trop Med Hyg. 2021 Jul 27:tpmd210108.
12. **Panda PK, Sharawat IK,** Panda P, Dawman L. Efficacy, tolerability, and safety of zonisamide in children with epileptic spasms: A systematic review and meta-analysis. Seizure. 2021 Oct;91:374-383.
13. **Panda PK, Sharawat IK,** Panda P, Dawman L, Kasinathan A. Clinico-laboratory characteristics and outcome of

patients with eucalyptus oil-induced/ provoked seizures: A case series and systematic review of the published patients. Trop Doct. 2021 Jul 20:49475521 1032095.

14. **Sharawat IK, Panda PK**, Panda P, Dawman L. Efficacy and safety of rufinamide as adjunctive therapy in patients with Lennox Gastaut syndrome: A systematic review and Meta-analysis. Seizure. 2021 Oct;91:296-307.
15. **Panda PK,**Tomar A, Pillai GR, Kumar A, **Sharawat IK**. Infantile tremor syndrome and laryngomalacia: A novel association? Clin Nutr ESPEN. 2021 Jun;43:235-238.
16. **Panda PK, Panda P**, Dawman L, Sharawat IK. Efficacy of lacosamide and phenytoin in status epilepticus: A systematic review. Acta Neurol Scand. 2021 Oct;144(4):366-374.
17. **Panda PK, Sharawat IK**, Tomar A, Arya S, Chetia R, Sherwani P. Acute onset urinary retention and neurogenic bladder: an unusual presenting feature of childhood acute myeloid leukemia. Acta Neurol Belg. 2021 May 13. doi: 10.1007/s13760-021-01698-y.
18. **Panda PK**, Mehra A, **Sharawat IK.** Role of Neurostimulants During Acute Stroke Care: Do they Improve Wakefulness? Neurocrit Care. 2021 Aug;35(1):277-278.
19. **Panda PK**, Elwadhi A, **Sharawat IK.** Intracranial calcification and seizures in Down syndrome. BMJ Case Rep. 2021 Apr 23;14(4):e243180.
20. **Sharawat IK, Panda PK**, Sihag RK, Panda P, Dawman L. Efficacy and safety of corpus callosotomy and ketogenic diet in children with Lennox Gastaut syndrome: a systematic review and meta-analysis. Childs Nerv Syst. 2021 Aug;37(8):2557-2566.
21. **Panda PK,** Mehta S, **Sharawat IK**. Isoniazid induced palmoplantar hyperhidrosis. Trop Doct. 2021 Apr 15:4947552 11007966.
22. **Panda PK, Sharawat IK.** Disability Assessment in Acute Ischemic Stroke: Which Score/Instrument Is Better? Can J Neurol Sci. 2021 Apr 5:1-2.
23. **Sharawat IK, Panda PK**, Kasinathan A. Atypical handedness and its clinicoradiological predictors in children with focal epilepsy. Epilepsy Res. 2021 Jul;173: 106622.
24. **Panda PK, Sharawat IK**. Undergraduate neurology training in the inpatient and outpatient setting: How do they differ? Eur J Neurol. 2021 Jul;28(7):e44-e45.
25. **Panda PK,**Vigneshwar NKV, **Sharawat IK.** Gaps in Understanding About Brain Death in Various Health Care Professionals and Families. Neurohospitalist. 2021 Apr;11(2):185-186.
26. **Panda PK, Sharawat IK**. Depression in individuals with multiple sclerosis and social media use: are they interlinked? Acta Neurol Belg. 2021 Aug;121(4):1081-1082.
27. **Panda PK**, Natarajan V, **Sharawat IK**. Neurocognitive profile of children with ESES, generalized, and focal epilepsy: Is there any difference? Epilepsy Res. 2021 May;172:106451.
28. **Panda PK, Sharawat IK.** Impact of carbamazepine and lacosamide on serum lipid levels. Epilepsia. 2021 Apr;62(4): 1034-1035.
29. **Panda PK, Sharawat IK**. Motor development in children and adolescents: role of body mass index and socio-economic status. Eur J Pediatr. 2021 Jul;180(7): 2339.
30. **Panda PK**, Nandani R, **Sharawat IK.** Children with brain tumors: how do they perform in academics later? Childs Nerv Syst. 2021 May;37(5):1413-1414.
31. **Panda PK, Sharawat IK.** Preventive role of tranexamic acid in post-operative recurrence of chronic subdural haemorrhage: Do we have sufficient evidence? J Clin Neurosci. 2021 Jul;89:455-456.
32. **Panda PK,**Kasinathan A, **Sharawat IK**. Utility of optic nerve sheath diameter in intracranial pressure: can we hang on it? Childs Nerv Syst. 2021 Jun;37(6):1813-1814.
33. **Panda PK, Sharawat IK**. Early risk factors for encephalopathic transformation in children with benign childhood epilepsy with centrotemporal spikes. Brain Dev. 2021 Apr;43(4):601-602.
34. **Sharawat IK, Panda PK,**Dawman L. Clinical Characteristics and Genotype-Phenotype Correlation in Children with KMT2E Gene-Related Neurodevelopmental Disorders: Report of Two New Cases and Review of Published Literature. Neuropediatrics. 2021 Apr;52(2):98-104.
35. **Panda PK, Sharawat IK**, Panda P,

Natarajan V, Bhakat R, Dawman L. Neurological Complications of SARS-CoV-2 Infection in Children: A Systematic Review and Meta-Analysis. J Trop Pediatr. 2021 Jul 2;67(3):fmaa070.

36. **Panda PK, Sharawat IK**. Kawasaki Disease Presenting as Febrile Seizure: A Clinical Oddity. J Clin Rheumatol. 2021 Apr 1;27(3):e83.
37. **Panda PK, Sharawat IK**, Yadav R. Methotrexate-Induced Hyperpigmentation Over Sun-Exposed Area. J Clin Rheumatol. 2021 Oct 1;27(7):e287-e288.
38. **Panda PK**, Bolia R, Shrivastava Y, Bhunia NS, **Sharawat IK**. Megaloblastic wobbliness: A reversible neurological condition. Clin Nutr ESPEN. 2021 Oct;45: 511-513.
39. **Panda PK, Sharawat IK.** Children and Adolescents With Psychogenic Nonepileptic Events: They Need More Attention? J Child Neurol. 2021 Oct;36 (12):1131-1132.
40. **Panda PK**, Moirangthem V, **Sharawat IK**. Nummular Headache: A Rare Headache Type in a Child Responding to Carbamazepine and Gabapentin. Ann Indian Acad Neurol. 2021 Nov-Dec;24(6):943-944.
41. **Panda PK**, Panda P, Dawman L, **Sharawat IK**. Efficacy of lacosamide and phenytoin in status epilepticus: A systematic review. Acta Neurol Scand. 2021 Oct;144(4):366-374.
42. **Panda PK, Sharawat IK**. The Severity of Neuronal Damage in Neonatal Hypoxic-Ischemic Encephalopathy: Does Vitamin-D Status Matter? Neuropediatrics. 2021 Oct;52(5):417-418.
43. **Panda PK, Sharawat IK**. Disability Assessment in Acute Ischemic Stroke: Which Score/Instrument Is Better? Can J Neurol Sci. 2022 Jan;49(1):157-158.
44. **Panda PK, Sharawat IK**. Children with migraine and tension-type headache: Do they have behavioral and emotional issues? Brain Dev. 2022 Jan;44(1):77-78.
45. **Panda PK, Sharawat IK.** Neuropsychological Testing in Patients in Juvenile Myoclonic Epilepsy: Are They Required in Every Patient? Ann Indian Acad Neurol. 2022 Jan-Feb;25(1):140-141.
46. **Panda PK, Sharawat IK.** Central Nervous System-Specific Autoantibodies Testing in Immune-Mediated Disorders: How They Affect Treatment Decisions? Neurohospitalist. 2022 Jan;12(1):199-200.
47. **Sharawat IK, Panda**. PK. Quality of Life and Its Association with Level of Functioning in Young Children with Cerebral Palsy. Neuropediatrics. 2022 Feb 23. doi: 10.1055/s-0042-1743432.
48. **Sharawat IK, Panda PK,** Sihag RK, Panda P, Dawman L. Efficacy and safety profile of Selumetinib in symptomatic inoperable plexiform neurofibromas: a systematic review and meta-analysis. J Neurosurg Sci. 2022 Mar 17. doi: 10.23736/S0390-5616.21.05528-4.
49. **Panda PK**, Nandani R, Mehta S, **Sharawat IK**. Developmental Delay and Epilepsy Without Gigantism: An Unusual Presentation of Soto's Syndrome Due to A Novel Mutation in the NSD1 Gene. Ann Indian Acad Neurol. 2022 Jan-Feb;25(1): 152-153.

Book published

Bhakat R, Naithani M, **Chacham S**. Impact of Global Climate Change on Occurrence of Viral Diseases. Chapter 10. In: Dobhal, R., Uniyal, D.P. and Bhardwaj, K.N.,. Novel Corona Virus (COVID-19): Past, Present and Future. Uttarakhand State Council for Science and Technology (UCOST) Dehradun and Bishen Singh Mahendra Pal Singh, Dehradun;2022. pp:137-149.

10.29 Department of Paediatric Surgery

i) National Publication

1 Parveen AG, **Yhoshu E**, Chaudhary G, **Balija SS**. Biliary reflux in annular pancreas in upper gastrointestinal contrast study.J Indian Assoc PediatrSurg 2021;26:360-1

2 Chaudhary G, Sharma R, **Yhoshu E, Sree BS**. Parameatal urethral cyst in children. J Indian Assoc PediatrSurg 2022; DOI: 10.4103/ jiaps.jiaps_198_21

3 **Yhoshu E**, Menon P, Lakshmi K, Rao N, Bhattacharya A. Outcome analysis of reduction and nonreduction dismembered pyeloplasty in ureteropelvic junction obstruction: A randomized, prospective, comparative study. J Indian Assoc Pediatr Surg 2022;27:25-31

II) International Publication

1 Chaudhary G, Yhoshu E, Chauhan U, Ahmed I, Gupta MK, **Piplani R, Balija S.** Anatomical study of Hypospadias penis using Magnetic Resonance Imaging in Children. Journal of Pediatric Urology 2021 DOI:10.1016/j.jpurol.2021.10.024

2 **Yhoshu** E, Chaudhary G, **Ahmed I**, **Gupta MK**. Congenital lateral facial teratoma: A case report and review of literature. Afr J PaediatrSurg 2021;18:99-103

3 Huda F, Gajula B, Singh SK, **Piplani R,** Choudhary N. Transverse Testicular Ectopia Presenting as Right Inguinal Hernia in an Adult Patient: An Incidental Finding During Robotic Transabdominal Preperitoneal Repair. Cureus. 2021 Jun 3;13(6):e15412

4 Sandhu H, Barabari GS, Ravi B, Seenivasagam RK, **Balija SS**, Mammen KJ, How Surgical Residency Has Derailed During The COVID-19 Pandemic: An Appraisal. Clin Surg. 2021; 5(7): 1-6

10.30 Department of Pathology

I) National Publication

1. Bhatia R, Hazarika N, Chandrasekaran D, Gupta V, **Durgapal P, Kishore S**. Treatment of Posttraumatic Reactive Angioendotheliomatosis With Topical Timolol Maleate. JAMA Dermatol. 2021 Aug 1;157(8):1002-1004.
2. Gupta A, Gupta S, Rajput D, **Durgapal P**, Chennatt JJ, Kishore S, Rao S, Dhar P, Gupta M, Kant R. Expression and clinicopathological correlation of Ki-67 in gallbladder carcinoma. J Carcinog. 2021 Sep 4;20:11.
3. Bhirud DP, Mittal A, Kumar S, **Kishore S** et al. When to Avoid a Restaging Procedure for Non-muscle Invasive Bladder Cancer? Inferences from a Tertiary Care Center. Indian J Surg Oncol (2022). https://doi.org/10.1007/s13193-022-01516-8
4. Bhardwaj A, Singh A, Kaushik S, **Kishore S**, Acharya S. Role of Immunohisto chemical Markers p53 and Ki-67 in Grading of Glial Tumours: A Prospective Study. Journal of Clinical & Diagnostic Research. 2021 Apr 1;15(4).DOI : 10.7860/JCDR/2021/46974.14768
5. Kathrotia R, Dhamija P, Naithani M, Kumar H, Varghese A, Bahadur A, Huda F, Gupta M, Kant R, Patil P, Rao S. Adopting the New Normal in Postgraduate Course Summative Assessment for evaluating Clinical Skills: An Experience from India During COVID-19 Pandemic Nation-Wide Lockdown. J Assoc Physicians India. 2022 Mar;70(3):11-12.
6. Goyal L, Rao S, Reddy GS, Agarwal P. Inflammatory myofibroblastic tumor of anterior maxillary gingiva: An unusual clinical presentation. J Oral Maxillofac Pathol. 2022 Feb;26(Suppl 1):S73-S76.
7. Kumari N, Kalonia T, Malik A, Kumar A, **Rao S**. Value of Combined Cytomor phological Parameters in Improving Diagnostic Accuracy of Papillary Thyroid Carcinoma on Cytology - The Five Dependable Features. Indian J Endocrinol Metab. 2021 Sep-Oct;25(5):402-409.
8. Vathulya M, Rao S, Kathrotia R, Naithani M, Bisht M, Varshney S, Negi G, Mohan L, Gupta P, Kant R. Factors influencing the success of faculty development programme: Our experience and future recommendations. J Med Evid 2021;2:125-33.
9. Bharati V, Kumari N, Rao S, Sindhwani G,

Chowdhury N. The Value and Limitations of Cell Blocks in Endobronchial Ultrasound-Guided Fine-Needle Aspiration Cytology: Experience of a Tertiary Care Center in North India. J Cytol. 2021 Jul-Sep;38(3):140-144.

10. Mehan A, Anthony ML, Paul P, Syed A, Chowdhury N, Rao S, et al. Expression of Programmed Cell Death-1 (PD-1) and Its Ligand (PD-L1) in Breast Cancers and Its Association with Clinicopathological Parameters: A Study from North India. J Lab Physicians. 2021 Nov 10;
11. N B P, Ravi KS, **Durgapal P**. Discovery of new salivary gland - A substantial histological analysis. Radiother Oncol. 2021 Aug;161:92-94.
12. Gupta A, Gupta S, Rajput D, Durgapal P, Chennatt JJ, Kishore S, Rao S, Dhar P, Gupta M, Kant R. Expression and clinicopathological correlation of Ki-67 in gallbladder carcinoma. J Carcinog. 2021 Sep 4;20:11.
13. Kumari N, Kalonia T, Malik A, **Kumar A, Rao S**. Value of Combined Cytomor - phological Parameters in Improving Diagnostic Accuracy of Papillary Thyroid Carcinoma on Cytology - The Five Dependable Features. Indian J Endocrinol Metab. 2021 Sep-Oct;25(5):402-409.
14. Manchanda R, Madhaw G, Shree R, Radhakrishnan DM, Kumar A, Kumar N. Linear Morphea: A Mimicker of Motor Neuron Disease. Annals of Indian Academy of Neurology.2022; 25:278-280
15. Khan SI, Kumar A, Panda PK, Gupta N. Xerophthalmia with secondary malabsorption syndrome in a young lady. J Family Med Prim Care. 2021;10(9):3515-3518
16. Baishya P, Reshma J, Usmani SA, Durgapal P. "The Rare Horse behind the Hoarseness of Voice-Chondrosarcoma of Larynx." Indian Journal of Otolaryngology and Head & Neck Surgery 2021: 1 - 3.
17. Baishya P, Tarafdar S, Goyal N, Phulware RH. Is It Worth Reporting Meningioma With Xanthomatous Variant? A Pathologist Perspective. Neurol India 2021;69:1477-8.
18. Phulware RH, Dhamija E, Pandey R, Rastogi S, Barwad A. Maxillary Sarcomatoid Carcinoma with Rhabdo-Myosarcomatous Dedifferentiation: a Clinic-Pathological Emphasis. Indian J Surg Oncol. 2021 Sep;12(3):632-634. doi: 10.1007/s13193-021-01330-8.
19. Aden D, Phulware RH, Mittal S, Ahuja A. Myocardial bridging - Sudden unexpected death of a young girl: A case report. Indian J Pathol Microbiol. 2022;65(1):157-159.
20. Kumar A, Jagannath S, Phulware RH, Mendiratta V. An ulcerated exophytic tumour over the gluteal area- eccrine porocarcinoma in an immunocompetent female. Int Surg J 2021;8:1600-2.

II) International Publication

1. Gupta A, Gupta S, Mani R, **Durgapal P**, Goyal B, Rajput D, **Rao S**, Dhar P, Gupta M, **Kishore S**, Kant R. Expression of Human epidermal growth factor receptor 2, Survivin, Enhancer of zeste homolog -2, Cyclooxygenase-2, p53 and p16 molecular markers in Gall bladder carcinoma. J Carcinog 2021;20:7.
2. Mohanty A, Gupta P, Arathi K, **Rao S**, Rohilla R, Meena S, Singh A, Kaistha N, Rath RS, Varshney S. Evaluation of Direct Examination, Culture, and Histopathology in the Diagnosis of Mucormycosis: Reiterating the Role of KOH Mount for Early Diagnosis. Cureus. 2021 Nov 10;13(11):e19455.
3. Paul P, Rajput S, Joshi P, Naithani M, **Chowdhury N, Rao S**, Pai MO. Comparison of Fluorometric and UV Spectrophotometric Findings for DNA Isolated From Formalin-Fixed Paraffin-Embedded Blocks, Fine Needle Aspiration Cytology Smears, and Blood. Cureus. 2021 Nov 15;13(11):e19583.
4. Rohilla R, Gupta PK, Narula H, Sharma AK, Mehta V, **Rao S**, Gupta J, Gupta P. Assessment of cognitive and psychomotor domains regarding biomedical waste management and hand hygiene among various categories of health-care professionals at a tertiary care center in northern India. J Edu Health Promot 2021;10:186.
5. Kaur S, Rattan A, Kumar H, **Rao S**, Kant R, Misra MC. Advanced Trauma Care for Nurses (ATCN): A Single-Center Analysis of Trauma Nurses Knowledge Gaps. J Trauma Nurs. 2021 Jul-Aug 01;28(4):258-264.
6. Mundhra R, Bahadur A, Sharma S, Gupta DK, Mahamood M M, Kumari P, Zaman R,

Paul P, **Rao S**. Emergency Peripartum Hysterectomy During COVID-19 Pandemic. Cureus. 2021 Dec 20;13(12):e20524.

7. Singh V, Narula H, Supehia S, Sharma M, Gupta PK, Sharma A, **Rao S**. Impact of Video Modules-Based Training on Knowledge, Attitude, and Practices of Cleaning and Disinfection Among Housekeeping Staff at a Tertiary Care Center During the COVID-19 Pandemic. Cureus. 2021 Oct 29;13(10):e19125.
8. **Rao S**, Anthony ML, Chowdhury N, Kathrotia R, Mishra M, Naithani M, Sindhwani G, Singh N. Molecular characterization of lung carcinomas: A study on diagnostic, predictive, and prognostic markers using immunohistochemical analysis at a Tertiary Care Center in Uttarakhand, India. J Carcinog. 2021 Oct 7;20:17.
9. Kabi A, Dhar M, Arora P, Bhardwaj BB, **Chowdhury N, Rao S**. Effectiveness of a Simulation-Based Training Program in Improving the Preparedness of Health Care Workers Involved in the Airway Management of COVID-19 Patients. Cureus. 2021 Aug 20;13(8):e17323.
10. **Rao S**, Rohilla KK, Kathrotia R, Naithani M, Varghese A, Bahadur A, Dhar P, Aggarwal P, Gupta M, Kant R. Rapid Workforce Development to Combat the COVID-19 Pandemic: Experience From a Tertiary Health Care Centre in North India. Cureus. 2021 Jun 11;13(6):e15585.
11. Naithani M, Khapre M, Kathrotia R, Gupta PK, Dhingra VK, **Rao S.** Evaluation of Sensitization Program on Occupational Health Hazards for Nursing and Allied Health Care Workers in a Tertiary Health Care Setting. Front Public Health. 2021 Jun 16;9:669179.
12. **Singh N, Chowdhury N**, Pal S, Goyal JP, Bhakhri BK, **Rao S**. Hyaline Vascular Type of Castleman Disease: Diagnostic Pitfalls on Cytology and Its Clinical Relevance. Cureus. 2021 Aug 14;13(8):e17174.
13. Paul P, Agrawal S, Kumar K, C**haudhary M, Rao S**, Ravi B. Keratin cyst as a diagnostic pitfall in aspiration cytology of phyllodes tumor. Diagn Cytopathol. 2021 Oct;49(10):E385-E388.
14. Agrawal S, Anthony ML, Paul P, Singh D, Mehan A, Singh A, Joshi PP, **Kumar A**, Syed A, Ravi B, **Rao S, Chowdhury N**. Prospective evaluation of accuracy of fine-needle aspiration biopsy for breast lesions using the International Academy of Cytology Yokohama System for reporting breast cytopathology. Diagn Cytopathol. 2021 Jul;49(7):805-810.
15. Sharma R, Mohanty A, Singh V, S VA, Gupta PK, Jelly P, Gupta P, **Rao S**. Effectiveness of Video-Based Online Training for Health Care Workers to Prevent COVID-19 Infection: An Experience at a Tertiary Care Level Institute, Uttarakhand, India. Cureus. 2021 May 1;13(5):e14785.
16. Goyal L, **Rao S**, Reddy GS, Agarwal P. Inflammatory myofibroblastic tumor of anterior maxillary gingiva: An unusual clinical presentation. J Oral Maxillofac Pathol. 2022 Feb;26(Suppl 1):S73-S76.
17. Kulshreshtha P, Bahurupi Y, Dhar M, Sharma S, Kathrotia R, **Rao S**, Naithani M, Gupta M. Preparedness of Undergraduate Medical Students to Combat COVID-19: A Tertiary Care Experience on the Effectiveness and Efficiency of a Training Program and Future Prospects. Cureus. 2022 Mar 8;14(3):e22971.
18. Varghese A, Dhar M, **Rao S**, Raina R, Mittal SK, Kumar B, Bhat N. Effectiveness of Large-Scale Preparedness Training on Electrocardiogram for Medical, Surgical, and Pre-clinical Doctors: A Need-Based Initiative for COVID-19 Patient Care. Cureus. 2022 Feb 8;14(2):e22011
19. Bhuniya S, Goyal M, **Chowdhury N**, Mishra P. Intermittent hypoxia and sleep disruption in obstructive sleep apnea increase serum tau and amyloid-beta levels. J Sleep Res. 2022 Feb 14;e13566–e13566.
20. Kumar U, **Gupta AK, Singh N, Chandra H, Chowdhury N**. Reference intervals for reticulocyte parameters (reticulocyte haemoglobin equivalent and immature reticulocyte fraction) in first-trimester pregnancy. Journal of Obstetrics and Gynaecology:2021:15.1-3
21. Singh A, Pandey PK, Mittal SK, **Chowdhury N**. Comment on the article: Overminus lens therapy in the management of children with intermittent exotropia: Points to ponder. J Curr Ophthalmol. 2021 Jul 1;33(3):363.
22. Verma R, Kandwal A, Negi G, **Chandra H**. Factors affecting the quantity and quality of platelet-rich plasma and platelet-

derived growth factor-BB: an observational study:Journal of Bio X Research.2021:4.67-70

23. Khorwal G, Negi G, Bhute A, **Chandra H, Balasubramanian P**. Pant J Online Foundation Course Program for First Year Medical Undergraduates Amidst the COVID-19 Pandemic–A New Learning Experience. Advances in Medical Education and Practice.2021:12.739
24. Maharaj DD, Thaduri A, Jat B, Poonia DR, **Durgapal P**, Rajkumar KS. Performance and survival outcomes of defect-driven versus specimen-driven method of frozen section intraoperative margin assessment in oral cancers. Int J Oral Maxillofac Surg. 2021 Dec 13:S0901-5027(21)00398-2.
25. Dhiman A, Sangwan P, Hazarika N, **Durgapal P**. Graham-Little-Piccardi-Lassueur Syndrome With Concomitant Mucocutaneous Lichen Planus: Rare Presentation in a Man. Dermatol Pract Concept. 2022 Jan 1;12(1):e2022042
26. **Kumar A**, Sharma R, Verma AK, Tiwari A, Mishra J. An unusual case of adamantinoma of long bone. Autops Case Rep [Internet]. 2022;11:e2021276. https://doi.org/10.4322/acr.2021.276
27. Singh D, Tiwari R, **Kumar A**, et al. A Comprehensive Review of Pathological Examination in Forensic Medicine: Past, Present, and Future. Cureus. 2022;14(3): e22740. doi:10.7759/cureus.22740
28. Rajkumar B, Sahai R, Singh D, **Kumar A** . Primary Neuroendocrine Tumor of Urinary Bladder: A Case Report of an Unusual Occurrence. Cureus. 2022; 14(2): e22720. doi:10.7759/cureus.22720
29. Jaiswal M, Tripathi A, Singh D, **Kumar A**. Clinical Correlation and Role of Cyclin D1 Expression in Glioblastoma Patients: A Study From North India. Cureus. 2022; 14(2): e22346. doi:10.7759/cureus.22346
30. Kapoor R, Saxena AK, Vasudev P, Sundriyal D, **Kumar A**. Cancer induced bone pain: current management and future perspectives. Med Oncol. 2021 Sep 28;38(11):134
31. Kumar P, Sundriyal D, **Kumar A**. Cutaneous Lesions in a Patient with Cancer. Indian J Surg Oncol (2021). https://doi.org/10.1007/s13193-021-01469-4
32. Kansal NK, **Kumar A**. Psoriasis Alba (White Psoriasis) of the Perianal Region. Skinmed. 2021 ;19(5):390-391.
33. Kalonia T, Kumari N, Malik A, **Kumar A**, Bahadur A, **Kishore S**. A rare combination of Dermoid cyst and Cystadenoma: Are collision tumors in the ovary a real entity?. Autops Case Rep 2021;11:e2021249.
34. Dey B, Nigam JS, Bharti JN, **Singh A**, Nair V. Osteoarticular tuberculosis: A series of six cases diagnosed on fine-needle aspiration cytology. CytoJournal 2022;19:11.
35. 5.Rajendiran R, Bolia R, Khuraijam S, **Singh A**. Lichen Scrofulosorum: Cutaneous Manifestation of Tuberculosis. J Pediatr. 2021 Jul 20: S0022-3476
36. Saxena V, Bahurupi Y, Mishra A, **Singh A**, Parate S, Sandhu H. Strength, Weakness, Opportunities, and Threats (SWOT) Analysis of Virtual Outpatient Department Under Telemedicine Department During the COVID-19 Pandemic. Cureus. 2022 Feb 22;14(2):e22476.
37. Mohanty A, Gupta P, Arathi K, et al. Evaluation of Direct Examination, Culture, and Histopathology in the Diagnosis of Mucormycosis: Reiterating the Role of KOH Mount for Early Diagnosis. Cureus 2021;13(11): e19455.
38. Bhasi A, Patnaik I, Panda PK, **Singh A**. Hypereosinophilic syndrome presenting as eosinophilic gastroenteritis disorder and splinter hemorrhages: A case report. World J Gastrointest Pharmacol Ther. 2022 Mar 5;13(2):23-29
39. Majumdar KS, Kottayasamy SR, Maharaj, DD. et al. Clinicopathological Difference Between Gingivobuccal and Oral Tongue Cancers: Cross-Sectional Observational Study from a Tertiary Healthcare Centre in Northern India. Indian J Otolaryngol Head Neck Surg (2022). https://doi.org/10.1007/s12070-021-03025-6
40. Singh V, Prasad A, Panda PK, Totaganti M, Tyagi AK, Thaduri A, **Rao S**, Bairwa M, **Singh AK**. Mixed invasive fungal infections among COVID-19 patients. Curr Med Mycol. 2021 Dec;7(4):19-27
41. **Balasubramanian P**, Singh J, Verma D, Kumar R, Bakhshi S, Tanwar P, Ranjan Singh A, Chopra A. Prognostic significance of CD45 antigen expression in pediatric acute lymphoblastic leukemia. Blood Cells, Molecules and Diseases

.2021 ;89

42. A. Kunnumbrath, Chandra H, Azad S, **Balasubramanian P**. Necrotising granulomas masking Hodgkin lymphoma: Report of a rare case, Hematology, Transfusion and Cell Therapy. 2021: 29;S2531-1379.
43. **Phulware RH**, Sardana R, Chauhan DS, Ahuja A, Bhardwaj M. Extracranial Schwannomas of the Head and Neck: A Literature Review and Audit of Diagnosed Cases Over a Period of Eight Years. Head Neck Pathol. 2022 Feb 14. doi: 10.1007/s12105-022-01415-y.
44. Krishnan AS, Gupta S, Mandal S, **Phulware RH**, Gupta M. Metachronous Osseous Metastases From Gliobliostoma Mutiforme: An Unusual Presentation. Cureus. 2022 Feb 25;14(2):e22587..
45. Rajput D, David LE, Sharma O, Gupta A, Siddeek RAT, **Phulware RH**. Adult Left Colocolic Intussusception Successfully Managed by Left Hemicolectomy and Primary Anastomosis. Surg J (N Y). 2022 Feb 18;8(1):e65-e68. doi: 10.1055/s-0042-1742751.
46. Talwar A, Behera P, Ahuja A, Sarkar B, **Phulware RH**. Endometrial Serous Carcinoma Arising From Adenomyosis: A Clinico-Pathological Insight. J Family Reprod Health. 2021 Jun;15(2):125-129.
47. Agrawal S, **Phulware RH**. COVID-19 associated pulmonary aspergillosis (CAPA) in a pregnant woman. Autops Case Rep. 2021 Aug 20;11:e2021313. doi: 10.4322/acr.2021.313.
48. Agrawal S, Singh A, Jat B, **Phulware RH**. Cytomorphology of Warthin-like variant of papillary thyroid carcinoma: A diagnosis not to be missed. Cytopathology. 2021 Nov;32(6):840-842.
49. Agrawal S, Singh M, **Phulware RH**. Fine needle aspiration cytology of lymphatic filariasis presenting as a swelling over the left elbow. Diagn Cytopathol. 2021 Jul;49(7):896-898.
50. Bandyopadhyay T, Deswal S, Maria A, **Phulware RH**, Das P, Ahuja A. Microvillous inclusion disease as a cause of severe congenital diarrhea in a newborn. J Matern Fetal Neonatal Med. 2021 Apr 11:1-3.
51. Majumder A, **Phulware RH**, Ahuja A, Singla A, Kumar P. Renal angiomyoadenomatous tumor (RAT): a rare distinct entity with diagnostic challenges-a case report. J Egypt Natl Canc Inst. 2021;33(1):1.
52. Choudhary A, Kaushik K, Ahuja A, Varshney R, Sharma R, **Phulware RH**. Neurocysticercosis Superimposing Schwannoma: A Unique Combination of 2 Pathologies at Cerebellopontine Cistern. World Neurosurg. 2021;146:205-209.

Book published

Ahuja A, **Phulware RH**. Histopathology for the Diagnosis of Abdominal Tuberculosis. In: Sharma V. (eds) Tuberculosis of the Gastrointestinal system. Springer, Singapore.2022

DOI: https://doi.org/10.1007/978-981-16-9053-2_17

10.31 Department of Pharmacology

I) National Publication

1 Ravi G, **Chikara G**, Bandyopadhyay A, **Handu S** .A prospective study to evaluate antimicrobial prescribing pattern among admitted patients in hilly Himalayan region of northern India .J Family Med Prim Care 2021;10:1607-13.

2 Choudhary C, Bandyopadhyay A, Bahadur A, Chaturvedi J, **Handu S, Dhamija P**. Drug related adverse pregnancy outcomes at a tertiary care hospital from the foothills of Himalayas: A Prospective observational study. J Family Med Prim Care. 2021 Nov;10 (11):4176-4181

3 Kathrotia R, Dhamija P, Naithani M, Kumar H, Varghese A, Bahadur A, Huda F, Gupta M, Kant R, Patil P, Rao S. Adopting the New Normal in Postgraduate Course Summative Assessment for evaluating Clinical Skills: An Experience from India During COVID-19 Pandemic Nation-Wide Lockdown. J Assoc Physicians India. 2022 Mar;70(3):11-12

4 **Bisht M**, Bisht S S. Pharmacotherapy of Rhino-Orbital- Cerebral Mucormycosis. Int. J. Pharm. Sci. Rev. Res 2021 ; 70(2) : 39-45

5 Vathulya M, Rao S, Kathrotia R, Naithani M, **Bisht M**, Varshney S, Negi G, Mohan L, Gupta P, Kant R. Factors influencing the success of faculty development programme: Our experience and future recommendations. J Med Evid 2021 ;2:125-33.

6 Rohilla J, Jhanwar S, Gupta P, **Hassan S**. Comments on "Effect of a Video-Assisted Teaching Program About ECT on Knowledge and Attitude of Caregivers of Patients with Major Mental Illness." Indian Journal of Psychological Medicine. 2021;43(5):463-463.

II) International Publication

1. Yadav R, Imran M, **Dhamija P**, Chaurasia DK, **Handu S.** Virtual screening, ADMET prediction and dynamics simulation of potential compounds targeting the main protease of SARS-CoV-2. J Biomol Struct Dyn. 2021 Oct;39(17):6617-6632

2. Chaudhary JK, Yadav R, Chaudhary PK, Maurya A, Roshan R, Azam F, Mehta J, **Handu S**, Prasad R, Jain N, Pandey AK, Dhamija P. Host Cell and SARS-CoV-2-Associated Molecular Structures and Factors as Potential Therapeutic Targets. Cells. 2021 Sep 15;10(9). doi: 10.3390/cells10092427

3. Yadav R, Imran M, Dhamija P, Suchal K, **Handu S.** Virtual screening and dynamics of potential inhibitors targeting RNA binding domain of nucleocapsid phosphoprotein from SARS-CoV-2. J Biomol Struct Dyn. 2021 Aug;39(12): 4433 -4448

4. Yadav R, Chaudhary JK, Jain N, Chaudhary PK, Khanra S, **Dhamija P**, Sharma A, Kumar A, **Handu S.** Role of Structural and Non-Structural Proteins and Therapeutic Targets of SARS-CoV-2 for COVID-19. Cells. 2021 Apr 6;10(4). doi: 10.3390/cells10040821

5. Mohan L, Pant J, Handu SS, Singh Y, Dhamija P, Bisht M, Mittal S, Patil PM, Goel A, Mahadule A, Sekar S, Kumari R, **Chikara G, Hasan S.** Host Cell and SARS-CoV-2-Associated Molecular Structures and Factors as Potential Therapeutic Targets. Meeting report: UP-UK APPICON 2021-10th Annual Conference of Association of Physiologists & Pharmacologists of India: Innovative technologies for clinical applications. Adv Physiol Educ. 2022 Jun 1;46(2):286-287

6. Kumar A**,** Sharma A, **Handu S**, Singh J, Naithani M. Molecular docking analysis of piperlongumine with different apoptotic proteins involved in Hepatocellular Carcinoma. Bioinformation. 2021; 17(9):829–33.

7. Kumar A**,** Naithani M, Kumar N, Singh N, Agrawal S, Sharma A, Thapaliyal S, Singh J, **Handu S.** Piperlongumine inhibits diethylnitrosamine induced hepatocellular carcinoma in rats. Hum Exp Toxicol 2022; 41.

8. Panda PK, Singh BO, Moirangthem B, Bahurupi YA, Saha S, Saini G, Dhar M, Bairwa M, Pai VS, Agarwal A, Sindhwani G, **Handu S**, Kant R. Antiviral Combination Clinically Better Than Standard Therapy in Severe but Not in Non-Severe COVID-19. Clin Pharmacol. 2021 Sep 29;13:185-195.

9. **Das B,** Sarkar C, Rawat VS, Kalita D, Deka S, Agnihotri A. Promise of the NLRP3 Inflammasome Inhibitors in in Vivo Disease Models. Molecules 2021; 26 (16): 4996. https://doi.org/10.3390/molecules 26164996.

10. **Das B**, Saravana Kumar R, Agnihotri A, Barun Kumar, Rawat VS. Leading 20 Drug-Drug Interactions, Polypharmacy and analysis of the Nature of Risk Factors Due to QT Interval Prolonging Drug use and Potentially Inappropriate Psychotropic use in Elderly Psychiatry Outpatients. Therapeutic Advances in Cardiovascular Disease 2021Nov;15: 17539447211 058892.

11. **Das B**, Rawat VS, Agnihotri A, Kumar B. Prominent 20 Drug-Drug Interactions, Polypharmacy and Scrutiny of the Feature of Risk Factors due to QT Interval Prolonging Drug Prescription in Children and Adolescent Psychiatry Outpatients. Progress in Pediatric Cardiology**.** 2021; 15:17539447211058892: 101456.

12. **Das B**, Sarkar C, Wahlang J B, Saravana Kumar R, Agnihotri A, Belsiyal X. Nursing Leadership role in Pharmacovigilance Needs Impetus. Integrative Journal of Nursing & Medicine 2021**;** 2(2): 1-2. DOI: 10.31038/IJNM.2021224.

13. Shukla S, Bandyopadhyay A, Kumar S, Vardhan G, **Goel B**, Choudhary C et al. Painful neuropathy: comparative observational analysis of safety profile of pregabalin and amitriptyline. Int J Basic Clin Pharmacol 2021;10:824-9.

14. Goyal T, **Dhamija P**, Vardhan G, Gupta P, Trikha V. In vitro study of elution kinetics and biological activity of piperacillin/ tazobactam and gentamicin in acrylic bone cement. OrthopTraumatolSurg Res. 2022 Feb 2;:103230. doi: 10.1016/j.otsr. 2022.103230. [

15. Yadav R, **Hasan S**, Mahato S, Celik I, Mary YS, Kumar A, Dhamija P, Sharma A, Choudhary N, Chaudhary PK, Kushwah AS, Chaudhary JK. Molecular docking, DFT analysis, and dynamics simulation of natural bioactive compounds targeting ACE2 and TMPRSS2 dual binding sites of spike protein of SARS CoV-2. J Mol Liq. 2021 Nov 15;342:116942

16. Chaudhary JK, Yadav R, Chaudhary PK, Maurya A, Kant N, Rugaie OA, Haokip HR, Yadav D, Roshan R, Prasad R, Chatrath A, Singh D, Jain N, **Dhamija P**. Insights into COVID-19 Vaccine Development Based on Immunogenic Structural Proteins of SARS-CoV-2, Host Immune Responses, and Herd Immunity. Cells. 2021 Oct 29;10(11). doi: 10.3390/cells10112949.

17. Shukla S, Rastogi S, Abdi SAH, **Dhamija P**, Kumar V, Kalaiselvan V, Medhi B. Severe cutaneous adverse reactions in Asians: Trends observed in culprit anti-seizure medicines using VigiBase®. Seizure. 2021 Oct;91:332-338

18. Sharma R, Tikka SK, Yadav AK, Bhute AR, **Dhamija P**, Bastia BK. Cerebrospinal fluid monoamine metabolite concentrations in suicide attempt: A meta-analysis. Asian J Psychiatr. 2021 Aug;62:102711. doi: 10.1016/j.ajp.2021.102711.

Book published

Chapter in Book:

Bisht M. Sleep During Hypnotic Therapy. In: Gupta R., Neubauer D.N., Pandi-Perumal S.R. (eds) Sleep and Neuropsychiatric Disorders. Springer, Singapore. 2022 p. 793-809 https://doi.org/10.1007/978-981-16-0123-1_39

10.32 Laboratory Animal Facility, Pharmacology

I) National Publication

1. **Kumar A,** Sharma A, Handu S, Singh J, Naithani M. Molecular docking analysis of piperlongumine with different apoptotic proteins involved in Hepatocellular Carcinoma. Bioinformation. 2021; 17(9):829–33.

2. Olekar JHA, **Kumar A,** Sharma A, Dev K. Characterization of the Luteinizing Hormone Beta (LH-β) Subunit Gene in the Goat. Ind. J. Ani. Res. 2021

II) International Publication

1. **Kumar A,** Naithani M, Kumar N, Singh N, Agrawal S, Sharma A, Thapaliyal S, Singh J, Handu S. Piperlongumine inhibits diethylnitrosamine induced hepatocellular carcinoma in rats. Hum Exp Toxicol 2022; 41.

2. Yadav R, Chaudhary JK, Jain N, Chaudhary PK, Khanra S, Dhamija P, Sharma A, **Kumar A**, Handu S. Role of Structural and Non-Structural Proteins and Therapeutic Targets of SARS-CoV-2 for COVID-19. Cells. 2021; 10(4):821.

3. Yadav R, Hasan S, Mahato S, Celik I, Mary YS, **Kumar A**, Dhamija, P, Sharma A, Choudhary N, Chaudhary PK, Kushwah AS, Chaudhary JK. Molecular docking, DFT analysis, and dynamics simulation of natural bioactive compounds targeting ACE2 and TMPRSS2 dual binding sites of spike protein of SARS CoV-2. Journal of Molecular Liquids. 2021; 342:116942.

4. Singh S, Sharma A, Asnani AJ, **Kumar A.***In vitro* antioxidant and antiurolithiatic activity of Commicarpus chinensis (L.) Heimert in ethylene glycol induced urolithiasis in rats. Annals of Phytomedicine 2021; 10(2): 391-398

10.33 Department of Physical Medicine & Rehabilitation

I) National Publication

1. Kanaujia V, Verma S, **Yadav RK**, Patra B. A case of neuroborreliosis: A challenge to physiatrist. J OrthopTraumatolRehabil 2021;13:64-8

2. **Neyaz O**, Yadav RK, Sharma R, Kandwal P. Tracheoesophageal fistula masquerading as dysphagia and aspiration in traumatic tetraplegia. J Med Evid 2022; 3:64-6.

II) International Publication

1. Abhimanyu V, Ritika P, **Osama N**, Srishti N, Gita H. Lateral epicondylitis: Are we missing out on radial nerve involvement? A cross-sectional study. J Bodyw Mov Ther. 2021; 27:352-357.

3. Vasudeva A, Parihar R, **Neyaz O**, Bharti A, Handa G. Efficacy of a local corticosteroid injection on pain, disability and radial nerve thickness in patients with lateral epicondylitis. J Family Med Prim Care. 2021;10(12):4502-4508.

4. Sahu S, Vasudeva A, Sheikh NA, **Neyaz O**, Yadav SL. The need for physical medicine and rehabilitation as an integral component in the medical education curriculum in India. J Family Med Prim Care. 2022;11(2):434-438.

5. Gaur R, Asthana S, **Yadav RK**, Ghuleliya R, Kumar D, Akhtar M et al. Assessment of Physical Disability After Three Months in Patients Recovered From COVID-19: A Cross-Sectional Study. Cureus 14(1): e21618.

10.34 Department of Physiology

I) National Publication

1 **Mahadule AM, Mittal S, Patil PM**, **Mohan L**. Covid-19 Pandemic Is an Opportunity to Reform Assessment: A Webinar Summary Report. Global Journal for Research Analysis 2022; 11 (01): 54-57.

2 **Mohan L**. Keshav Desiraju 11 May, 1955–05 September, 2021. J Med Evid 2021:2: 284

3 **Mohan L**, Pant J, Agrawal M, Shah Z. Post graduate training in medical colleges of India: Resident Physicians' perspective. Indian J PhysiolPharmacol 2021;65:245-55

4 Sandhya M, **Mittal S**, Kathrotia R, Rawat VS, Singh Y, Srikant S, Agrawal M and **Mohan L**. Cardiovascular Autonomic Function Tests in Patients of Obsessive–Compulsive Disorder: A Cross-Sectional Study. Indian J Psychol Med 2022;44(1): 30–36.

5 Vathulya M, Rao S, Kathrotia R, Naithani, Bisht M, Varshney S, Negi G, **Mohan L**, Gupta P and Kant R. Factors influencing the success of faculty development programme: Our experience and future recommendations. JME.2021;2. 125. 10.4103/JME.JME_28_21.

6 Shah Z, Singh V, Supehia S, **Mohan L**, Gupta PK, Sharma M, Sharma S. Expectations of healthcare personnel from infection prevention and control services for preparedness of healthcare organisation in view of COVID-19 pandemic. Medical Journal Armed Forces India. 2021. 77. S459-S465.

7 Vathulya M, Agrawal D, **Mohan L**, Kandwal P, VathulyaVickram. (2021). A comparison of structural strength of free and attached earlobes using Young's modulus: A novel method. Journal of Plastic Reconstructive & Aesthetic Surgery. 10.1016/j.bjps.2021.05.001..

8 Job S, Kapoor M, Panda PK, **Mohan L**, Ravikant .COVID-19 Prevention Protocol for an Organised Mass Gathering-An Essential Requisite in Pandemic and Post-pandemic Phase.J Clin of Diagn Res. 2021; 15(4):IM01-IM04.

9 Bahurupi Y, **Mahadule AA**, **Patil PM**, Saxena V. Augmenting CBME curriculum with artificial intelligence: A futuristic Approach. Indian journal of Applied Research. 2022; 12(1): 46- 47.

10. Agrawal M, Singh J, Patel D, **Goel A**, Kathrotia R, **Patil P. M.** A Quiz as an academic tool for teaching learning physiology in Indian medical students: A cross sectional study. Indian Journal Of Physiology And Allied Sciences. 2022; *73*(1).

11. Kathrotia R, Dhamija P, Naithani M, Kumar H, Varghese A, Bahadur A, Huda F, Gupta M, Kant R, **Patil P**, Rao S. Adopting the New Normal in Postgraduate Course Summative Assessment for evaluating Clinical Skills: An Experience from India During COVID-19 Pandemic Nation-Wide Lockdown. J Assoc Physicians India. 2022 Mar;70(3):11-12

12. Tendulkar P, Pandey P, Panda PK, Bhadoria AS, **Kulshreshtha P**. Descriptive Epidemiology of COVID-19 Deaths during the First Wave of Pandemic in India: A Single-center Experience. Indian J Crit Care Med. 2022 Jan;26(1):71-75.

13. Mittal SK, **Mittal S**, Saraswat NK, Kishore S, Agrawal A, Singh A, et al. Burden of ocular morbidities and color blindness among school-attending children in a foothill town of Uttarakhand State. Indian J Ophthalmol 2022; 70:249-55.

14 Mittal S K, Rana R, Puthalath A, Agrawal A, Anupam, Gupta N, **Mittal S**. Ocular effects of mobile phone radiation. Indian J Clin Exp Ophthalmol 2022;8(1):66-71

15. Mittal G, Mittal S, Kapila AS. Complexity of Human Consciousness. Physiology Insight 2021; 1(2):15-18

16. Sharma AK, **Mohan L, Mittal S**, Bahadur A, Anupam. Is visual evoked potential a window to detect changes that precede diabetic retinopathy?: Case series involving Type 2 diabetic women in pregnancy. In e-Souvenir UP-UK APPICON 21, 10th Annual Conference of Association of Physiologists & Pharmacologists of India: Innovative technologies for clinical applications during 12-13th Nov 2021.

II) International Publication

1. **Mohan L, Pant J**, Handu SS, **Singh Y,** Dhamija P, Bisht M, **Mittal S**, **Patil PM**, **Goel A, Mahadule A,**Sekar S, Kumari R, Chikara G, Hasan S. Meeting report: UP-UK APPICON 2021-10th Annual Conference of Association of Physiologists & Pharmacologists of India: Innovative technologies for clinical applications. Adv Physiol Educ. 2022;46(2):286-287.

2. Goyal N, Arora S, **Kulshreshtha P**, Gupta P. Microsurgical DREZotomy in Spastic Cerebral Palsy: Poor Man's Baclofen Pump. World Neurosurg. 2021 May;149: e170-e177.

3. **Kulshreshtha P**, Deepak KK, Yadav RK, Mukherjee D. Cardiac autonomic neuropathy in fibromyalgia: Revisited. J Back Musculoskelet Rehabil. 2022;35(1): 111-117.

4. **Kulshreshtha P**, Bahurupi Y, Dhar M, Sharma S, Kathrotia R, Rao S, Naithani M, Gupta M. Preparedness of Undergraduate Medical Students to Combat COVID-19: A Tertiary Care Experience on the Effectiveness and Efficiency of a Training Program and Future Prospects. Cureus. 2022 Mar 8;14(3):e22971.

5. Khorwal G, Negi G, Bhute A, Chandra H, Balasubramanian P, **Pant J**. Online Foundation Course Program for First Year Medical Undergraduates Amidst the COVID-19 Pandemic - A New Learning Experience. Adv Med EducPract. 2021 Jul 5;12:739-744

6. Mittal S, **Mittal S**, Udenia H. Autonomic NervousSystem (ANS) Modulationto ControlIntra- ocular Pressure (IOP). The Federation of American Societies for Experimental Biology (FASEB) Journal 2021; 35(S1):2323

   Varghese A, Dhar M, Rao S, Raina R, **Mittal SK**, Kumar B, Bhat N. Effectiveness of Large-Scale Preparedness Training on Electrocardiogram for Medical, Surgical, and Pre-clinical Doctors: A Need-Based Initiative for COVID-19 Patient Care. Cureus. 2022 Feb 8;14(2):e22011

10.35 Department of Pulmonary Medicine

I) National Publication

1. **Dua R**, Goyal K, Bhatt R, Singh K, Reddy N, Sharma P. An observational study to assess reasons for lack of control among patients of bronchial asthma attending a tertiary care centre in India. International Journal of Community Medicine and Public Health. 2022;9(4):1782.
2. Kumar K, Sunil S, Sharma P, Sherwani P, **Dua R**, Layek A. Ruptured spontaneous bronchial artery pseudo aneurysm with large mediastinal hematoma and its interventional **management: An acute chest emergency, Lung India. 2022;39(2): 204-207 .**
3. Sharma P, Gangakhedkar MR, Bahurupi YA, Gupta PK, Prakash V, **Dua R**, et al. Impact of COVID-19 pandemic on individual hand hygiene infection control practices among healthcare workers: A questionnaire-based survey. J Med Evid 2021;2:120-45.
4. **Dua R**, Malik S, Bhadoria AS, Kumar R. Chair Yoga. J Med Evid. 2021;2:262-6
5. Gupta RK, Kumar A, Gangakhedkar M, Prakash V, **Saini L**, Sharma P, et al. A rare case of cavitating lung disease. Indian J Respir Care 2021;10:361-3.
6. Kapoor M, Panda PK, **Saini LK**, Bahurupi Y. A Retrospective Analysis of Disseminated Intravascular Coagulation Score and Sepsis Induced Coagulopathy Score in Prediction of COVID-19 Severity. Indian J Crit Care Med 2021; 25 (12):1357-1363
7) Kundu K, Sharma G, **Saini L**, Gupta R. Polysomnographic Characteristics of the Patients Having Chronic Insomnia and Obstructive Sleep Apnea: Evidence for Paradoxical Insomnia and Comorbid Insomnia with OSA (COMISA). Indian Journal of Psychological Medicine. December 2021.

   doi:10.1177/02537176211048322

II) International Publication

1. Panda PK, Singh BO, Moirangthem B, Bahurupi YA, Saha S, Saini G, Dhar M, Bairwa M, Pai VS, Agarwal A, **Sindhwani G**, Handu S, Kant R. Antiviral Combination Clinically Better Than Standard Therapy in Severe but Not in Non-Severe COVID-19. Clin Pharmacol. 2021;13:185-195
2. Deka S, Kalita D, Shankar R, Rekha US, **Sindhwani G**. A Comparative Evaluation of Antigen-Specific Sandwich Immunoassay and Indirect Immuno fluore scence Assay (IIF) in Detecting Antineutrophil Cytoplasmic Antibodies: Are We Ready to Replace IIF with ELISA as the Primary Screening Method? J Lab Physicians. 2021 Sep;13(3):286-290
3. Sharma A, Agrawal A, **Sindhwani G**, Sharma A, Tomo S, Charan J, Yadav D, Sharma P. Efficacy of procalcitonin and pentraxin-3 as early biomarkers for differential diagnosis of pleural effusions. Pleura Peritoneum. 2021 Apr 19;6(2):83-90
4. **Mishra M, Sindhwani G**. Antifibrotics for COVID-19 related lung fibrosis: Agentswith benefits? Adv Respir Med. 2021;89(2):231-233.
5. Rao S, Anthony ML, Chowdhury N, Kathrotia R, **Mishra M**, Naithani M, Sindhwani G, Singh N. Molecular characterization of lung carcinomas: A study on diagnostic, predictive, and prognostic markers using immunohistochemical analysis at a tertiary care center in Uttarakhand, India. J Carcinog 2021;20:17.
6. Sahu N et al. 'Spontaneous Pneumomediastinum/ Pneumothorax in Acute COVID-19 Pneumonia: A Case Report'. Tp100. Tp100 Unexpected Covid-19 Case Reports, American Thoracic Society. 2021:A4112–A4112.
7. Kumar S, **Mishra M**. Triple thoracic anomalies: right-sided aortic arch, aberrant left subclavian artery and Kommerell's diverticulum. BMJ Case Reports CP 2021;14:e245539.
8. **Mishra M**, Kumar S. Characteristic imaging finding and spot radiological diagnosis in a young man with acute breathlessness and chest pain. Adv Respir Med. 2021; Epub Ahead of Print 13.10.2021.
9. Layek A, Rajpoot A, Joshi P, **Mayank Mishra**. Primary pleural liposarcoma: a rare differential for an opaque hemithorax BMJ Case Reports CP 2022;15:e246683.
10. Sivarama krishnan P, Mishra M. Vaccination-associated immune thrombocytopenia possibly due to ChAdOx1 nCoV-19 (Covishield) coronavirus vaccine. BMJ Case Rep. 2022

Mar 30;15(3):e249237.

11. Kanchan S, **Saini LK**, Daga R, Arora P, Gupta R. Status of the practice of sleep medicine in India during the COVID-19 pandemic. J Clin SleepMed. 2021;17(6):1229–1235
12. Tale S, Kumar A, **Saini LK**, Meitei SP, Gupta R. Sleepwalking and prolonged partial sleep paralysis in a case of obstructive sleep apnea. Sleep Sci.2021;14(2):186-189

Book published

1. **Sindhwani G, Saini LK**. High flow nasal oxygen. NCCP(I) Lung bulletin, 3rd issue. Page no. 195-198
2. **Dua R**. Invited editor for chapters on Sarcoidosis,Diffuse alveolar haemorrhage and sarcoidosis in South East Asian Mcmaster Text Book of Internal Medicine 2021-2022

10.36 Department of Psychiatry

I) National Publication

1. Pal A, Joshi T, Basu A, **Gupta R**. Management of chronic insomnia using cognitive behavior therapy for insomnia during COVID-19 pandemic: does one shoe fit all? Sleep and Vigilance 2022; https://doi.org/10.1007/s41782-022-00197-
2. Kundu K, Sharma G, Saini LK, **Gupta R**. Polysomnographic characteristics of the patients having Chronic Insomnia and Obstructive Sleep Apnea: Evidence for Paradoxical Insomnia and Comorbid Insomnia with OSA (COMISA). Indian J Psychol Med 2021; DOI: 10.1177/02537176211048322
3. Shrivastava D, Kumar VM, **Gupta R**, Mallick HN. Field-Safety Notice and Recall of Sleep Care Devices by Philips Respironics. Sleep and Vigilance. 2021 Dec;5(2):175-8.
4. Jain A, Wadhwa R, Kundu K, Nebhinani N, **Gupta R**. Assessment of knowledge about RLS among medical teachers and undergraduate students using newly developed questionnaire: K-RLS. Sleep and Vigilance https://link.springer.com/article/10.1007%2Fs41782-021-00181-1
5. Nirisha PL, Pahuja E, Manjunatha N, **Gupta R**, Channaveerachari NK, Math SB. Digitally driven primary care psychiatry program is impactful in real-world scenario. Indian Journal of Psychiatry. 2021 Nov 1;63(6):619-21.

. Sharwat IK, Panda PK**, Gupta R.** Pediatric acute onset neuropsychiatric syndrome with Capgras Syndrome. Ann Indian Acad Neurol 2021; 24: 600

7. **Gupta R**, Pandi-Perumal SR. SARS-CoV-2 Infection: Paving Way for Sleep Disorders in Long Term!. Sleep and Vigilance. 2021 May 17:1-2.
8. **Gupta R,** Gupta R, Negi G. Medical Student's wellness from the perspectives of ergonomics and occupational mental health. Ind J Social Psychiatry 2021; 37: 143-147.
9. **Gupta R**, Kumar N. Sleep related abnormal sexual behavior: Uncommon yet grave! J Psychosexual Health 2021; 3: 115-16
10. **Das A**. NITI Aayog health indicator and mental health system of India: A critical analysis and future directions. Indian J Psychol Med. 2022
11. Kundu K, Kumar R, Jhanwar S, **Das A**. Comments on “Does the Mode of Conception Influence Early Postpartum Depression? A Prospective Comparative Study from South India”. Indian J Psychol Med. 2021; 43(3):277.
12. **Das A**. Digitally driven primary care psychiatry program: Is it really impactful? Indian J Psychiatry 2021; 63 (6), 618.
13. Kumar R, Das A, Singh V, Gupta PK, Bahurupi YA. Rapid survey of psychological status of health-care workers during the early outbreak of COVID-19 pandemic: A single-centre study at a tertiary care hospital in Northern India. J Med Evid 2021;2:213-8
14. **Dhiman V**, Krishnan V, Basu A, **Das A, Rohilla J**, **Rawat VS,**Nishchal A, Dave M, Solanki RK, Sahadevan S, Pal A, Garg S, Tikka SK, Dhyani M, Avinash P, Gupta M, Kant R, **Gupta R**. Development of psychiatry curriculum as a major subject during MBBS in India. Indian J Psychiatry. 2021 May-Jun;63(3):290-293.
15. Arora D, Belsiyal CX, **Rawat VS**. Prevalence and determinants of posttraumatic stress disorder and depression among

survivors of motor vehicle accidents from a hilly Indian state. Indian Journal of Psychiatry. 2021 May 1;63(3):250.

16. **Rohilla J,**Jhanwar S, Gupta P, Hassan S. Comments on "Effect of a Video-Assisted Teaching Program About ECT on Knowledge and Attitude of Caregivers of Patients with Major Mental Illness." Indian Journal of Psychological Medicine. 2021;43(5):463-463.
17. Jhanwar S, **Rohilla J,** Gupta P and Kumar R. Comments on " Indian Medical Students with Depression, anxiety, and Suicidal Behavior: Why Do They Not Seek Treatment?". Indian J Psychol Med. 2022;44(2): 209.
18. Jhanwar S, **Rohilla J**. Distribution and relation of arousal to ejaculatory latency time, erection to ejaculation latency time, and intravaginal ejaculation latency time in Indian men: A pilot study. Indian J Urol. 2021 Oct-Dec;37(4):335-338
19. Bhawana K, Chellappan XB, **Rohilla J**. Efficacy of family psychoeducation on drug compliance, self-esteem and caregivers' burden among selected psychiatric inpatients from a tertiary care centre, North India. Ind Psychiatry J. 2022 Jan-Jun;31(1):89-97

II) International Publication

1. Kumar N, **Gupta R.** Disturbed sleep during a pandemic. Sleep Med Clinics 2022; 17: 41-52
2. Pandi-Perumal SR, Zaki NF, Qasim M, Morsy NE, Manzar MD, BaHammam AS, Jehrami H, Ramasubramanian C, Karthikeyan R, Supasitthurong T, Moscovitch A, Trakt I, **Gupta R**, Narsimhan M, Partonen T, Reiter RJ, Morris G, Berk M, Kennedy SH, Stein DJ, Stahl SM, Charney DS, Seeman MV. Neuropsychiatric consequences of COVID-19 pandemic: A synthetic review from a global perspective. Alpha Psychiatry 2022.doi: 10.5152/ alphapsychiatry. 2022.21783
3. Basu A, Joshi T, Pal A, **Gupta R.** Management of chronic insomnia using hypnotics: a friend or a foe? Sleep and Biological Rhythms 2022; 1-8
4. Shukla PK, Sharma R, Meshram R, Das **A**, Bastia BK. A cross-sectional study to assess the cardiovascular risk of chronic cannabis smoking through electrocardiograph (ECG): ECG changes among cannabis, tobacco & non-smokers. Emerging Trends in Drugs, Addictions, and Health 2021, 1, 100026 https://doi.org/10.1016/j.etdah.2021.100026
5. **Das A,** Kumar R. Letter to the editor about 'Context and outcome of first-episode psychosis in India and Canada.' The British Journal of Psychiatry 2022; 220(2):99-100. doi:10.1192/bjp.2021.75
6. Roy A, Singh PK, Saha S, **Das A**, Nathani M. Impact of lipid ratio as an objective indicator of mental health status in Indian individuals with type 2 diabetes: an observational pilot study. Journal of Public Health2022**. https://doi.org/10.1007/s10389-022-01702-6**
7. Kant R, Yadav P, Barnwal S, **Dhiman V**, Abraham B, Gawande K. Prevalence and predictors of depression in type 2 diabetes mellitus. J Educ Health Promot. 2021 Sep 30;10:352
8. Rishita C, Kumar S, Yogesh B, **Rawat VS**. The Association of Problematic Online Gaming Behavior With Mental Well-Being and Depressive Symptoms Among Students of Professional Colleges in Rishikesh. Cureus. 2022;14(2).
9. Kalirawna TR, **Rohilla J**, Bairwa SS, Gothwal SK, Tak P, Jain R. Increased concentration of serum gamma-glutamyl transferase in ischemic stroke patients. Brain Circ. 2021 May 29;7(2):71-76.
10. Rajvanshi N, Bhakat R, Saxena S, **Rohilla J**, Basu S, Nandolia KK, Agrawal S, Bhat NK, Chacham S. Magnetic Resonance Spectroscopy in Children With Developmental Delay: Time to Look Beyond Conventional Magnetic Resonance Imaging (MRI). J Child Neurol. 2021 May;36(6):440-446.

Book published

1. **Gupta R,** Neubeaur DN, Pandi-Perumal SR (Eds). Sleep and Neuropsychiatry. Springer Nature Pte Ltd. Singapore: 2022
2. **Das A.** Suicide and Self-Harm**.** Elsevier India digital Point-of-Care tool, Clinical Decision Support 2021. (Chapter for Clinical Decision Support App)

10.37 Department of Radiodiagnosis

I) National Publication

1. Varghese R, Nandolia K, **Saxena S,Syed A, Sharma P.** Neurocutaneous syndromes: Imaging of systemic manifestations. J Med Evid 2021; 2: 147-154.
2. **Saxena S, Saran S, Tarafdar S,** Prajapati T. "Pseudo-polka dot" and "pseudo-corduroy" signs in osteoporotic spine. Journal of Mahatma Gandhi Institute of Medical Sciences. 2021 Jul 1;26(2):138.
3. Nandan R, Sharma G, Nandolia K, **Saxena S**, Verma PK. Acute hemorrhagic necrotizing encephalopathy in patients with COVID-19. Ann Indian AcadNeurol 2022;25:51
4. Sachar C, Agarwal A, **Syed A**. Bony Cyst in a Ground Glass Matrix: A Rare Case Report of Craniofacial Fibrous Dysplasia with Secondary Aneurysmal Bone Cyst. Indian J Radiol Imaging. 2022 May 1;32(1):145-148.
5. Das SK, Singh RS, Sharma B, Meena L, **Sharma P**. Radiological Intervention in spontaneous pneumomediastinum associated with COVID 19 pneumonia: A case series. Clinical Research and Clinical Case Reports 2021; 1(5); 1-5.
6. Das SK, Meena L, Singh RS, **Sharma P**, Paul P, Dhingra M. Chondroblastoma of the Medial Malleolus : A Very Rare Case with Radiopathological Correlation. Biomed J Sci & Tech Res 2021; 37(5): 29768-29773.
7. **Sharma P**. PET imaging performed immediately after COVID 19 vaccination : what a radiologist should know. Ann Clin Med Cas Rep 2021; 6(19): 1-1.
8. Gupta P, **Sharma P**, Chauhan U. Interventional Radiologist : Role in managing vascular access problems in patients with chronic kidney disese (CKD). Biomed J Sci & Tech Res 2021. BJSTR. MS.ID.005872
9. Walia R, **Chauhan U**, **Sharma P**, Panda PK. Giant Left Atrium and Atrial Fibrillation in Rheumatic Heart Disease Patient with normally functioning Mitral Valve Prosthesis. J Diag& Case Rep 202; 2(2): 1-2.
10. Gupta P, **Chauhan U**, Tayal M, **Sharma P**. How to do it : Transjugular Liver Biopsy. J Med Evid 2021; 2: 73-75.
11. Sharma S, **Chauhan U**, Ratan A, **Sharma P**. Hemopneumopericardium without cardiac injury : Rare consequence of a self-inflicted transmediastinal gunshot injury. J Med Evid 2021; 2: 64-65.
12. **Chauhan U**, Tayal M, Ratan A, **Sharma P**. Concealed hepatic injuries: Where to look and how to manage? J Med Evid 2021; 2: 34-36.
13. **Sherwani P**, Bolia R, Kaushik A, Kumar S, Kishore S, Chauhan U. An Unusual Cause of Cholestasis in an Infant: Biliary Atresia Type IIB. Indian Journal of Radiology and Imaging. 2021 Oct 6;31(3):689-692
14. Sharawat IK, Panda PK, **Sherwani P**, Moirangthem V. Mitochondrial membrane protein-associated neurodegeneration due to novel homozygous mutation in the C19orf12 gene. Annals of Indian Academy of Neurology. 2021 May;24(3):417.
15. Roul KP, Kaushik A, **Sherwani P**, Yadav K, Sain iA, Singh OBC, **Syed A**, Panda PK. Predictive Value of Chest CT Score in Assessing Disease Severity and Short-term Mortality in COVID-19 Pneumonia at a Tertiary Care Centre in Northern India: A Prospective Observational Study Journal of clinical and Diagnostic research .2022 March ;16(1) :5-11
16. Kumar KS, **Sharma P, Sherwani P**, Dua R, Layek A. Ruptured spontaneous bronchial artery pseudo aneurysm with large mediastinal hematoma and its interventional management: An acute chest emergency. Lung India: Official Organ of Indian Chest Society. 2022 Mar;39(2):204.
17. **Sherwani P**, Singh RS, Bolia R. Splenopancreatic Fusion. Indian Journal of Pediatrics. 2022 Mar 31:1-2.
18. Sharma, M., **Sherwani, P**., Venkataram, T. et al. Intraventricular Pneumocephalus: Ruptured Occipital Encephalocele. Indian J Pediatr 89, 722 (2022). https://doi.org/10.1007/s12098-022-04149-5
19. Gupta V, Das S, Mohan S, **Chauhan U**. RAPD asa clinical alert for early evidence of dysthyroid optic neuropathy. J FamilyMed Prim Care 2022;11:370-5.
20. Walia R, Arunachalam VS, **Chauhan U**, Khapre M, Arora P. Endothelial dysfunction assessed by brachial artery flow-mediated dilatation predicts severe COVID-19-related disease. J Family Med Prim Care. 2022 Jan;11(1):319-324.

21. Khanna T, **Saran S**. A 19-year-old female with primary amenorrhea: Mayer–rokitansky–küster–hauser syndrome. Journal of Medical Ultrasound. 2021 Oct 1;29(4):305.
22. Singh RS, Bardhan V, Kumar S, **Saran S.** 21-week routine antenatal ultrasound scan – Diagnosis of gastroschisis. J Med Ultrasound [Epub ahead of print] . Available from: http://www.jmuonline.org/preprintarticle.asp?id=324266.
23. **Saran S**, Kaushik R. A 29-year-old female with nonpuerperal vaginal bleeding – Complete uterine inversion. J Med Ultrasound [Epub ahead of print]. Available from: http://www.jmuonline.org/preprintarticle.asp?id=324264
24. Taparia A, Kumar S, **Saran S**. Lateral retromalleolar swelling and pain - Peroneus brevis tendon tear (boomerang sign). J Med Ultrasound [Epub ahead of print]. Available from: http://www.jmuonline.org/preprintarticle.asp?id=322283
25. **Saran S**, Gaur M. Small stiff swelling over the flexor aspect of the finger: Digital ganglion arising from the A2 pulley. J Med Ultrasound 2022;30:69-70
26. Roul PK, **Saran S**, Poonia DR, Paul P. Intramural gastric metastasis: A rare presentation of esophageal squamous cell carcinoma. J Med Ultrasound [Epub ahead of print]. Available from: http://www.jmuonline.org/preprintarticle.asp?id=324262
27. Anand R, Kumar S, **Saran S**. Coexisting molar and live twin pregnancy. Sudanese Journal of Paediatrics. 2021;21(2):224.
28. Bardhan Vikrant et al. A Rare Case of Hereditary Spastic Paraplegia: Case Report and Literature Review. Sch J Med Case Rep. 2021;9(8):783-85.
29. Meena L, Taparia A, Sharma B, **Dev R**, Tarafdar S. Bilateral Basal Ganglia Haemorrhage in a COVID-19 Positive Patient-Rare and Unusual Imaging Findings. JCDR. 2021;15:4-5.
30. Meena L, Keisham MD, Kundu P, **Dev R**. Hydranencephaly in a Child with Congenital Cytomegalovirus Infection - A Clinico-radiological Perspective. IJARS. 2022;11(2):9-11.
31. Baishya P, **Tarafdar S**, Goyal N, Phulware RH .Is It Worth Reporting Meningioma With Xanthomatous Variant? A Pathologist Perspective. Neurology India. 2021; 69(5):1477-78. doi: 10.4103/0028-3886.329575
32. Singh RS, Meena L, Arya JK , Modi A , **Tarafdar S**. Multifocal Nodular Fatty Infiltration of Liver: Approach to a Radiological Masquerader. Sch J of Med Case Rep. 2021; 9(5): 587-90.

II) International Publication

1. Swain SK, Arora RK, Sharma SK, Nandolia K, Basu G, Rekhapalli R, Arora P, Rajpal G, **Sherwani P, Saxena S,** Mittal RS. Vertebral arteriovenous fistula in neurofibromatosis type 1. J Neurosurg Sci. 2022 Feb;66(1):54-61..
2. Sharma G, **Saxena S**, Seenivasagam R, et al. (August 10, 2021) A Rare Case of Primary Pleural Neurofibroma. Cureus 13(8): e17062. doi:10.7759/cureus.17062
3. Saini A, **Saxena S** Metachromatic Leukodystrophy Case No: 6269 RSNA Case collection
4. Agrawal S, Anthony M, L, Paul P, Singh D, Agarwal A, Mehan A, Singh A, Joshi P, P, Kumar A, **Syed A**, Ravi B, Rao S, Chowdhury N: Accuracy of Breast Fine-Needle Aspiration Biopsy Using the International Academy of Cytology Yokohama System in Clinico-Radiologically Indeterminate Lesions: Initial Findings Demonstrating Value in Lesions of Low Suspicion of Malignancy. Acta Cytologica 2021. doi: 10.1159/000515914
5. **Syed A**, Kumari G, Kapoor A, Chaitanya S, Sharda P, Chaudhary M, Deori A, Gupta P, Choudhary N, Rao S, Ravi B. Impact of COVID-19 On Breast Cancer Management: A Radiological Prespective from A Tertiary Centre. Eur J Breast Health. 2021 Mar 31;17(2):180-187. doi: 10.4274/ ejbh.galenos.2021.6379. PMID: 33870119; PMCID: PMC8025722.
6. Roul, P., Saini, A., Agarwal, S., Verma, P., &**Syed, A**. (2021). Bilobed gallbladder: a rare congenital anomaly of the biliary system. International Journal of Research in Medical Sciences, 9(12), 3729-3732. doi:http://dx.doi.org/10.18203/2320-6012.ijrms20214730
7. Roul PK, Kaushik A, **Sherwani P**, Yadav K, Saini A, Singh OBC, **Syed A,** Panda PK.Predictive Value of Chest CT Score in Assessing Disease Severity and Short-term Mortality in COVID-19 Pneumonia at

a Tertiary Care Centre in Northern India: A Prospective Observational StudyJ Clin of Diagn Res.2022; 16(3):TC05-TC11. https://www.doi.org/10.7860/JCDR/2022/51808/16168

8. **Chauhan U, Sharma P,** Ahlawat S, Tayal M. Innovative method to retrieve misplaced guidewires using guidewires and balloons. Ind J Rad Imag 2022. DOI https: // doi.org/10.1055/s-0041-1741051.
9. Arya JK, Singh RS, Meena L, Modi A, Singhal S, **Sharma P.** Skeletal metastases in a treated case of WHO Grade IV Glioma without relapse of primary tumor : A rare entity. Int J Med Sci and Clin Int 2021; 8(6): 5458-5462.
10. **Sherwani P,** Choudhary M, Shrivastava Y, **Sharma P.** Intercostal artery aneurysm in a child with disseminated tuberculosis and coexistent Takayasu arteritis: A rare case report. Ind J Respir Care 2021; 10: 129-131.
11. Sharma S, **Sharma P**, Kumar A. Diffuse Meningiomatosis with Neurofibromatosis : A rare diagnosis with atypical presentation. Ind J Rad Imag 2021; 31(3): 768-771.
12. Gupta V, Luthra S,Puthalath AS, et al. Undiagnosed malignant hypertension presenting as adirect spontaneous carotid-cavernous fistula with complete loss of vision and hyphaemaBMJCase Rep 2022;15:e246243.doi:10.1136/bcr-2021-246243
13. Dheeraj D, **Chauhan U,** Khapre M, Kant R. Comparison of Quantitative Computed Tomography and Dual X-Ray Absorptiometry: Osteoporosis Detection Rates in Diabetic Patients. Cureus. 2022 Mar 13;14(3):e23131. doi: 10.7759/cureus. 23131.
14. Goswami AG, **Tarafdar S,** Huda F, Basu S. Perianal sinus as a unique presentation of a recurrent presacral epidermoid cyst. ANZ J Surg. 2022.doi: 10.1111/ans. 17468
15. Sagar NA, **Tarafdar S** , Agarwal S, Tarafdar A, Sharma S. Polyamines: Functions, Metabolism, and Role in Human Disease Management. Med. Sci. 2021; 9 (2): 44. doi.org/10.3390/medsci 9020044
16. Agarwal, A., **Sherwani, P**., Bhunia, N. S., & Dhoot, D. K. Unusual cause of urinary retention in a child: inflammatory pseudotumor of the urinary bladder. Annals of Pediatric Surgery. 2021; 17(1), 1-5.
17. Bahadur A, Mundhra R, **Sherwani P,** Kumar S. Robot-assisted partial cystectomy for bladder endometriosis: dual approach involving cystoscopy and robotic surgery. BMJ Case Reports CP. 2021 Aug 1;14(8):e244342.
18. Panda PK, Sharawat IK, Tomar A, Arya S, Chetia R, **Sherwani P**. Acute onset urinary retention and neurogenic bladder: an unusual presenting feature of childhood acute myeloid leukemia. Acta Neurologica Belgica. 2021 May 13:1-4.
19. Sherwani P. Subcortical heterotropia Case collection in RSNA
20. **Sharma P**, Sharma S, **Sherwani P,** Arunachalam VS, Tayal M, **Chauhan U**. Imaging in COVID-19 What a Radiologist should know? 2021-Conference
21. **Sharma P**, Sharma S, **Sherwani P,** Arunachalam VS. Congenital cardiovascular diseases : A pictorial review. 2021-Conference
22. **Sharma P**, Sharma S, Singh K, Syed A, **Sherwani P,** Arunachalam VS. Approach to ovarian and adnexal pathologies : Imaging overview of IOTA and O-RADS. 2021-Conference

    Basu S, **Sherwani P,** Sharma S, Arunachalam VS S. Basu P. Point of care ultrasound (POCUS) in the Indian Neonatal ICU:Current Role of Radiologist in Tertiary Care center. 2021-Conference

10.38 Department of Radiation Oncology

I) National Publication

Kalyani C V, Rohilla KK, Gupta A, **Gupta S, Gupta M**, Matella N. Construction and validation of palliative care nursing theory guidelines for patients with advanced cancer. Cancer Res Stat Treat. 2022;5:35-44

II) International Publication

1. Gupta A, **Gupta S**, Rajput D, Durgapal P, Chennatt JJ, Kishore S, Rao S, Dhar P, **Gupta M**, Kant R. Expression and clinicopathological correlation of Ki-67 in gallbladder carcinoma. J Carcinog. 2021 Sep 4;20:11.
2. Gupta A, **Gupta S,** Mani R, Durgapal P, Goyal B, Rajput D, Rao S, Dhar P, **Gupta M**, Kishore S, Kant R. Expression of Human epidermal growth factor receptor 2, Survivin, Enhancer of zeste homolog -2, Cyclooxygenase-2, p53 and p16 molecular markers in Gall bladder carcinoma. J Carcinog. 2021 Jun 9;20:7
3. Gupta A, **Gupta S**, Siddeek RAT, Chennatt JJ, Singla T, Rajput D, Kumar N, Sehrawat A, Kishore S, **Gupta M**. Demographic and clinicopathological Profile of Gall Bladder Cancer Patients: Study from a tertiary care center of the Sub-Himalayan region in Indo-Gangetic Belt. J Carcinog. 2021 Jun 9;20:6.
4. Sharma N, **Gupta M, Joseph D, Gupta S**, Pasricha R, et al. A Prospective Randomized Study of Intensity-Modulated Radiation Therapy Versus Three Dimensional Conformal Radiation Therapy With Concurrent Chemotherapy in Locally Advanced Carcinoma Cervix. Cureus. 2021; 14(1): e21000
5. Rohilla K, Kalyani VC, **Gupta S**, Gupta A, **Gupta M**. Quality of Life of People with Cancer in the Era of the COVID-19 Pandemic in India: A Systematic Review. Clinical Practice & Epidemiology in Mental Health.2021; 17:280-286
6. Krishnan A S, **Gupta S,** Mandal S, Phulware RH, **Gupta M**. Metachronous Osseous Metastases From Gliobliostoma Mutiforme: An Unusual Presentation. Cureus 2022; 14(2): e22587
7. **Gupta S,** Ahuja R, Sharma N, Singh P, Verma S, **Gupta M**. Low dose lung radiotherapy for COVID-19 pneumonia: a potential treatment. Respiratory Medicine.2021; 186:106531
8. **Joseph DM**, Malik MI, Jonnadula J, Ahmed F, Valiyaveettil D. Chemoradiation with Weekly Paclitaxel and Carboplatin in Esophageal Squamous Cell Carcinoma: A Prospective Study. South Asian J Cancer 2021;10:151-4.
9. Ranganathan P, Sengar M, Chinnaswamy G, et al. Impact of COVID-19 on cancer care in India: a cohort study. The Lancet Oncology 2021;22:970-6
10. Vidhya K, **Gupta S**, Lekshmi R, Bhardwaj K, Kusum K, Kalyani VC, Gupta A. Assessment of patient's knowledge, attitude, and beliefs about cancer: An institute-based study. J Edu Health Promot 2022;11:49
11. Sharma G, Kumar P, Veerwal H, Singh P, **Gupta S**, Dhingra V. Cutaneous Metastases as Initial Presentation of Lung Carcinoma. Cureus.2021; 13(5): e15344
12. Sundriyal D, Nath U. K, Kumar P**, Gupta S, Joseph D**, Vaniyath S, Chetia R, Bakliwal A, Chattopadhyay D, Dhingra G, Sehrawat A. Audit of In-Hospital Mortality from a Medical Oncology and Hemato-Oncology Center with the Emphasis on Best Supportive Care. South Asian J Cancer 2022;10(3):1-4
10. Goyal B, Yadav SRM, Awasthee N, **Gupta S**, Kunnumakkara AB, Gupta SC. Diagnostic, prognostic, and therapeutic significance of long non-coding RNA MALAT1 in cancer. BiochimBiophys Acta Rev Cancer. 2021 Apr;1875(2):188502

Book published

Goyal B, Gupta T, **Gupta S**, Gupta A. Noncoding ribonucleic acids in gallbladder cancer patients.In Clinical Applications of Noncoding RNAs in Cancer, Editor(s): Subash Chandra Gupta, Kishore B. Challagundla. Academic Press, 2022,Pages 391-408

10.39 Department of Surgical Gastroenterology

I) National Publication

1. Seenivasagam RK, **Dhar P**. The cancer care messiah of Northeast India: Dr Ravi Kannan. J Med Evid 2022;3:111-4
2. **Dhar P**, Nundy S. The NExT challenge – The national exit test. J Med Evid 2021;2:201-3
3. **Dhar P**, Balakrishnan D. Philanthropist and altruistic organ donor: Kochouseph Chittilappilly. J Med Evid 2021;2:286-8
4. **Dhar M**, Chaturvedi J, Panda PK, Patnaik I, Dhar P. Dynamics of health-care professional deployment in COVID-19 pandemic. J Med Evid 2021;2:101-4
5. Ranjan SK, Ghorai RP, Narain TA, **Dhar P,** Mandal AK. Jack stone: When the urologist finds a SARS-CoV-2 virus look alike in the bladder!. J Med Evid 2021; 2:187-8
6. Puliyath N, **Raj N**, Sanyal S, Tripathy DK, Gupta R. Giant splenic artery aneurysm with extrahepatic portal vein obstruction – A rare entity: Case report with literature review. J Med Evid 2021;2(2):182-184

II) International Publication

1. Singh S, Mendelson M, Surendran S, Bonaconsa C, Mbamalu O, Nampoothiri V, Boutall A, Hampton M, **Dhar P,**Pennel T, Tarrant C, Leather A, Holmes A, Charani E; ASPIRES co-investigators. Investigating infection management and antimicrobial stewardship in surgery: a qualitative study from India and South Africa. Clin Microbiol Infect. 2021 Oct;27(10):1455-1464. doi: 10.1016/j.cmi.2020.12.013.
2. Rao S, Rohilla KK, Kathrotia R, Naithani M, Varghese A, Bahadur A, **Dhar P**, Aggarwal P, Gupta M, Kant R. Rapid Workforce Development to Combat the COVID-19 Pandemic: Experience From a Tertiary Health Care Centre in North India. Cureus. 2021 Jun 11;13(6):e15585. doi: 10.7759/cureus.15585.
3. Mbamalu O, Bonaconsa C, Nampoothiri V, Surendran S, Veepanattu P, Singh S, **Dhar P**, Carter V, Boutall A, Pennel T, Hampton M, Holmes A, Mendelson M, Charani E. Patient understanding of and participation in infection-related care across surgical pathways: a scoping review. Int J Infect Dis. 2021 Sep;110:123-134. doi: 10.1016/j.ijid.2021.07.039.
4. Gupta A, Gupta S, Mani R, Durgapal P, Goyal B, Rajput D, Rao S, **Dhar P**, Gupta M, Kishore S, Kant R. Expression of Human epidermal growth factor receptor 2, Survivin, Enhancer of zeste homolog -2, Cyclooxygenase-2, p53 and p16 molecular markers in Gall bladder carcinoma. J Carcinog. 2021 Jun 9;20:7.
5. Gupta A, Gupta S, Rajput D, Durgapal P, Chennatt JJ, Kishore S, Rao S, **Dhar P,** Gupta M, Kant R. Expression and clinicopathological correlation of Ki-67 in gallbladder carcinoma. J Carcinog. 2021 Sep 4;20:11.
6. Mathew A, Kaushal G, Ramachandra D, **Rakesh NR**, **Dhar P**. Staple Line Dehiscence in Gastric Conduit Following Esophagectomy: A Complication Conspicuously Missing a Mention It Deserves. Cureus. 2022 Jan 25;14(1): e21581.
7. Ramachandra D, Kaushal G, Mathew A, **Dhar P**, **Rakesh NR.** Squamous Cell Carcinoma of the Sigmoid Colon: A Path Less Traveled. Cureus. 2022 Feb 16;14(2): e22297.
8. Mir M, Maurya R, Parkash O**, Raj N** et al. Harmonic Lingual Frenotomy for Ankyloglossia: A Newer Novel Technique. Cureus. 2022;14(3): e23223. doi:10.7759/cureus.23223

Book published

1. Agrawal A, Mallick S, **Dhar P**. Surgical access to the abdomen (incisions closures including laparoscopic port placement) IN Abdominal trauma, Abdominal wall, Peritoneum and Retroperitoneum. Ed Nagral S, Nanavati A. Part of series "Oxford Gastrointestinal Surgery Library'. Series editor Gouma D, Nundy S. Oxford University press

11.40 Department of Surgical Oncology

I) National Publication

1 Majumdar KS, **Kottayasamy Seenivasagam R**, Maharaj DD. et al. Clinicopathological Difference Between Gingivobuccal and Oral Tongue Cancers: A Cross-Sectional Observational Study from a Tertiary Healthcare Centre in Northern India. Indian J Otolaryngol Head Neck Surg 2022.https://doi.org/10.1007/s12070-021-03025-6

2 Maharaj DD, Thaduri A, Jat B, Poonia DR, Durgapal P, **Rajkumar KS.** Performance and survival outcomes of defect-driven versus specimen-driven method of frozen section intraoperative margin assessment in oral cancers, International Journal of Oral and Maxillofacial Surgery. 2021 ISSN 0901-5027, https://doi.org/10.1016/j.ijom.2021.11.010.

3 Sharma G, Saxena S, **Seenivasagam R**, Tarafdar S, Ilahi I. A Rare Case of Primary Pleural Neurofibroma. Cureus [Internet]. 2021 Aug; https://doi.org/10.7759%2Fcureus.17062

5 Larrañaga-Altuna M, Zabala A, Llavori I, Pearce O, Nguyen DT, Caro J, et al. Bactericidal surfaces: An emerging 21st-century ultra-precision manufacturing and materials puzzle. Applied Physics Reviews. 2021 Jun;8(2):021303

6 Thaduri A, Chadha L, Poonia DR, **Rajkumar KS**, Garg PK. Oral cancer screening – A delphic horizon in India. Oral Oncology. 2021 May; 116:105174.

7 Kaul P, Poonia DR, **Seenivasagam RK**, Maharaj DD, Jat BR, Garg PK, et al. Technical Considerations and Outcome Analysis of Using Extended Bipaddle Pectoralis Major Myocutaneous Flaps for Reconstructions of Large and Complex Oral Cavity Defects: Expanding the Horizons. Indian Journal of Surgical Oncology. 2021 May;12(3):484–90

II) International Publication

1 Maharaj DD, **Kottayasamy Seenivasagam, R.*,** Majumdar, K.S, Thaduri A, Panuganti, A, Kaul P, et al. "Analysis of the Role of Selective Neck Dissection in Clinically Node-Positive T3/T4 Oral Cancers", BioMed Research International, vol. 2022, Article ID 2204745, 7 pages, 2022.https://doi.org/10.1155/2022/2204745

2 **CROCODILE study group***. Catastrophic expenditure rates and barriers for treatment adherence in patients with colorectal cancer in India: The CROCODILE study protocol. Colorectal Dis. 2021 Aug;23(8):2161-2172.

3 **COVIDSurg Collaborative**. Resilience of elective cancer surgery systems during COVID-19 lockdowns: an international, multicentre, prospective cohort study. The Lancet. 2021 Nov;398: S11

4 **COVIDSurg Collaborative**Glasbey J, Ademuyiwa A, Adisa A, AlAmeer E, Arnaud AP, Ayasra F, et al. Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study. The Lancet Oncology. 2021 Nov;22(11):1507–17

5 **COVIDSurg Collaborative**Nepogodiev and D, Simoes JF, Li E, Picciochi M, Glasbey JC, Baiocchi G, et al. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia. 2021 Aug;77 (1):28–39.

6 **COVIDSurg Collaborative**Nepogodiev and D, Simoes JF, Li E, Picciochi M, Glasbey JC, Baiocchi G, et al. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anaesthesia. 2021 Aug;76(11):1454–64.

Book published

1. Singh SK, Huda F, **Seenivasagam RK**, Basu S. Staging Laparoscopy in Intra-Abdominal Cancers. D. Sharma, P. Hazrah (eds.), Recent Concepts in Minimal Access Surgery, Springer Nature 2022. https://doi.org/10.1007/978-981-16-5473-2_10

2. **Seenivasagam RK,**Vallam KC. Chapter 12. Robotic Radical Hysterectomy. A Bahadur , R Mundhra , R Kant (eds). Robotic Gynecologic Surgery. 2021. Thieme Medical and Scientific Publishers. **ISBN**: 9789390553877

10.41 Department of Transfusion Medicine & Blood Bank

i) National Publication

1. Mandal S, **Kaur D, Negi G**, Basu S, Chaturvedi J, Maji M, Malhotra S. Irregular erythrocyte antibodies among antenatal women and their neonatal outcome at a tertiary care hospital in Northern India. Postgrad Med J. 2021 Nov 22:postgrad medj-2021-140497. doi: 10.1136/post gradmedj -2021-140497.
4. Vathulya M, Rao S, Kathrotia R, Naithani M, Bisht M, Varshney S, **Negi G**, Mohan L, Gupta P, Kant R. Factors influencing the success of faculty development programme: Our experience and future recommendations. J Med Evid 2021;2: 125-33
5. Dhingra G, Maji M, Mandal S, Vaniyath S, **Negi G**, Nath UK. COVID 19 infection associated with thrombotic thrombocytopenic purpura. J Thromb Thrombolysis. 2021 Aug;52(2):504-507

II) International Publication

1. **Kaur D**, **Negi G**, Walia R, Malhotra S, Bhatia R, Meinia SK, Mandal S, **Jain A**. Just not cosmesis! Role of low-density lipoprotein apheresis in familial hypercholesterolemia: Experience at a newly developed tertiary care institution in Northern India. Asian J Transfus Sci 2021;15:104-8
2. Tiwari AK, **Negi G**, Jaiswal RM, Aggarwal G, Yadav N, Kumar V, Kulathu K. Correlation of sample-to-cut-off ratio of anti-SARS-CoV-2 IgG antibody chemiluminescent assay with neutralization activity: a prospective multi-centric study in India. ISBT Sci Ser. 2021 Jun 28:10.1111/voxs.12644. doi: 10.1111/ voxs.12644.
3. Khorwal G, **Negi G**, Bhute A, Chandra H, Balasubramanian P, Pant J. Online Foundation Course Program for First Year Medical Undergraduates Amidst the COVID-19 Pandemic - A New Learning Experience. Adv Med EducPract. 2021 Jul 5;12:739-744.
4. Malhotra S, **Negi G,** Sharma SK, Kaur R. A prospective interventional study to assess the impact of a 'structured compact training' on knowledge and skills of safe blood transfusion practices among nurses working in a tertiary care institute. Transfus Med. 2022 Feb;32(1):32-37
5. Kumar A, Sharma A, Mohan Y, Patnaik I, Kumar A, Khoiwal K, **Negi G,** Gupta R. Therapeutic plasma exchange in acute fatty liver of pregnancy: a case report and literature review. Pan African Medical Journal. 2021;40:220.
6. Deb J, **Kaur D**, Sil S, Bava D, Mohan AK, **Jain A, Negi G**. Delayed Hemolytic Transfusion Reaction due to Kidd antibodies (Réaction transfusion nellehémolyti queretardée due aux anticorps de Kidd). *Transfus Clin Biol*. 2022 Mar 11: S1246-7820(22)00032-5.
7. Shrestha R, Sethi S, **Kaur D**, Kingsley PA, Chavda PD, Moudgil T, Sharma M. The Culture of Giving Feedback in Health Professional Education: Reflection of Medical Educators on Effective Feedback Behavior. South-East Asian Journal of Medical Education, 2021;15(2), pp.43–51.

10.42 Department of Trauma Surgery

I) National Publication

1 Goyal D, **Kumar A**, Patil V, et al. Posttraumatic testicular torsion- a delayed presentation. J Evolution Med Dent Sci 2021;10(44):3808-3809

2 Kumar P, Kothari A, **Uniyal M**, Omar B, Mirza A. Effect of COVID 19 Pandemic on Quality of Ganga River Water in Uttarakhand: A Longitudinal Study. Journal of Microbiology and related research. Vol 9. Issue 3. June 2021

3 Kumar, S., Gupta, A., **Kumar, A**. et al. Management of Blunt Solid Organ Injuries: the Indian Society for Trauma and Acute Care (ISTAC) Consensus Guidelines. Indian J Surg. 2021; 83(Supple):S3-S41. https://doi.org/10.1007/s12262-021-02820-3.

II) International Publication

1 Kumar R, **Sarkar B**, **Kumar A**, **Azam Q**.Socio-demographic analysis of injury pattern among road traffic accident victims admitted in a tertiary care hospital. International Journal of Orthopaedics Sciences 2021; 7(1): 39-42

2 Patil V, **Sarkar B**, Mir M, **Azam Q, Uniyal M, Kumar A**, Mago V, Jagne N, Goyal D, Maurya R. Immediate Versus Late Flap Coverage for Traumatic Soft Tissue Defects of Lower Extremity: A Comparative Observational Study. Cureus. 2022; 14(3): e22800. doi:10.7759/cureus.22800

3 Dhiman AK, Jagne N, **Uniyal M, Kumar A, Azam Q**. Enhanced recovery after surgery protocol versus conventional care in emergency abdominal trauma surgery: a prospective, randomised, controlled study. Int Surg J 2022;9:11823

4 Goyal D, Katiyar A, Patil V, Dhiman A, **Kumar A** (2021) Duodeno (D2)-Gastrostomy in Grade III Duodenal Injury: A Rare Case Report. J Trauma Acute Care Surg Vol.6 No.4: 97

5 Kataria R, **Azam MQ**, Negi G, **Kumar A, Sarkar B, Uniyal M**. A prospective study to assess serum level of soluble thrombomodulin as early marker of acute traumatic coagulopathy in polytrauma patients. Int Surg J 2021;8:3381-6

6 Singh V, Moger NM, Jaisankar P, Rajkumar S, Chaudhary S**, Azam Q**. Non-Vascularized Tri-Cortical Iliac Crest Graft-A Reliable Option in the Management of Scaphoid Waist Non-Unions. J Hand Surg Asian Pac Vol. 2021 Sep;26(3):383-389

7 Barik S, Singh G, Maji S, **Azam MQ**, Singh V. Preoperative Prediction of Gartland IV Supracondylar Fractures of Humerus: Is it Possible? Rev Bras Ortop (Sao Paulo). 2021 Apr;56(2):230-234

8 Jha V, **Azam MQ**, Jain P, Bali SA. Does Femoral Intercondylar Notch Volume Differ in Anterior Cruciate Ligament-Injured Adult Patients Compared to the Uninjured?: A Meta-Analysis. Clin Orthop Surg. 2022 Mar;14(1):76-89.

9 Sadat-Ali M, AlOmran AS, AlMousa SA, AlSayed HN, AlTabash KW, **Azam MQ**, Hegazi TM, Acharya S. Autologous Bone Marrow-Derived Chondrocytes for Patients with Knee Osteoarthritis: A Randomized Controlled Trial. Adv Orthop. 2021 Nov 20;2021:2146722

10 Ahuja K, Ifthekar S, Mittal S, Yadav G, **Sarkar B**, Kandwal P. Defining Mechanical Instability in Tuberculosis of Spine: a systematic Review. EFORT Open *Rev* 2021;6: XXX.DOI: 10.1302/2058-5241.6.200113

11 Iyer RD, **Sarkar B, Azam MQ**, Kandwal P. Floating Thoracic Spine Due to Noncontiguous Fracture-Dislocations of the Thoracolumbar Spine. Cureus. 2022 Mar 8;14(3):e22955

12 **Sarkar B**, Dubey S, Goyal N, Yadav G, Nongdamba H, Mittal S, Ifthekar S, Ahuja K, Kandwal P, **Azam Q.** Acute spine care services during covid-19 pandemic and 'lockdown': case series and our perspective from a level 1 trauma centre. Spinal Cord Ser Cases. 2022 Jan 12;8(1):3.

13 Jagne NY, Kataria R, **Sarkar B**, Rattan A. Exsanguinating hemorrhage from coccygeal fracture dislocation: First report of a life-threatening injury. Trauma. May 2021. doi: 10.1177/14604086211019583

14 Verma V, Ifthekar S, Goyal N, Regmi A, Kandwal P, **Azam Q,Sarkar B.** Neglected floating cervical spine fracture with myelopathy and Anderson lesion of D2 D3: report of an unusual case. Spinal Cord Ser Cases. 2022 Feb 10;8(1):21. doi: 10.1038/s41394-022-00487-w.

15 Sethy SS, Goyal N, Ahuja K, Ifthekar S, Mittal S, Yadav G, Venkata Sudhakar P, **Sarkar B**, Kandwal P. Conundrum in surgical management of three-column injuries in sub-axial cervical spine: a systematic review and meta-analysis. Eur Spine J. 2022 Feb;31(2):301-310.

16 Mittal S, Ahuja K, Sudhakar PV, Ifthekar S, Yadav G, **Sarkar B**, Kandwal P. Simultaneous decompression of all stenotic regions versus decompression of only the most symptomatic region in patients with tandem spinal stenosis: a systematic review and meta-analysis. Eur Spine J. 2022 Mar;31(3):561-574.

17 Jagne N, Kumar A, Dhiman A, Patil V, **Uniyal M.** Do you think of gangrenous gallbladder following blunt trauma abdomen? a rare case report. International Surgery Journal. 2021 Nov 26;8(12):3720-2

18 Tripathy DK, Sharma S, Shajahan MS, **Uniyal M**. Management of Bronchial Hydatid Cyst with Endobronchial Intubation along with Patient Positioning and Bougie: A New Approach. Archives of Anesthesia and Critical Care. Spring2021; 7(2): 120-122

Book published

Kumar A, **Uniyal M.** National Emergency Life Support (NELS) Provider Course Manual for Paramedics. Chapter 4. Trauma Emergencies

10.43 Department of Urology

I) National Publication

1. Talwar HS, Narain TA, **Panwar VK**, **Mittal A, Mandal AK**. A nationwide cross-sectional study to assess the impact of COVID-19 on surgical residency programs in India. J Edu Health Promot 2021;10:440
2. Bhirud DP, **Mittal A,** Kumar S, Narain TA, Kishore S, **Navriya SC**, Ranjan SK, **Panwar VK**. When to Avoid a Restaging Procedure for Non-muscle Invasive Bladder Cancer? Inferences from a Tertiary Care Center. Indian Journal of Surgical Oncology. 2022 Mar 18:1-8.
3. Panwar P, Gupta A, Kumar A, Gupta B, **Navriya SC**. Mucormycosis in COVID Diabetic Patients: A Horrifying Triad! Indian J Crit Care Med 2021;25(11): 1314–1317.
4. Kumar P, Sharma S, Sundriyal D, **Navriya S**, et al. An Institution-Based Demographic Study of Urinary Bladder Cancer from North India. Indian J Surg Oncol. 2022;13: 432–434
5. Singh G, Kandwal P, **Panwar VK,** Kumar S**, Mittal A, Navriya SC**. Iatrogenic Renal Artery Injury Necessitating Nephrectomy Following Lumbar Interbody Fusion for Tubercular Spondylodiscitis. Indian J Orthop. 2021 May 17;55(Suppl 2):513-517. doi: 10.1007/s43465-021-00414-5.

II) International Publication

1 Mehmood K, Singh R, Kumar A, **Mandal AK**. Robot -assisted and conventional urology surgical procedures: comparison of average length of stay, economic status, operative time and patient's expenditure in a tertiary care hospital in North India. Journal of robotic Surgery. March 30,2022 https://doi.org/10.1007/s11701-022-01396-8

2 Tyagi S, Parmar KM, Singh SK, Sharma A, Shukla M, Sharma AP, Devana SK, Sharma G, Kumar S, **Mandal AK**. 'Pee'Bust Trial: A single-centre prospective randomized study comparing functional and anatomic outcomes after augmentation urethroplasty with penile skin graft versus buccal mucosa graft for anterior urethral stricture disease. World Journal of Urology. 2021; 40: 475–481

3 Bahuguna G, **Panwar VK, Mittal A**, Talwar HS, **Mandal AK**, Bhadoria AS, Chapple C. Management strategies and outcome of ureterovaginalfistulae: a systemic review and meta-analysis. Neurourol Urodyn. 2022;1-11. doi:10.1002/nau.24874

4 Talwar HS, **Mittal A, Panwar VK**, Tosh JM, Singh G, Ranjan R, Ghorai RP, Kumar S, Navriya S, **Mandal À**. Efficacy and safety of percutaneous nephrolithotomy in patients with chronic kidney disease: Outcomes from a tertiary care center. J Endourol. 2021 Dec 3. doi: 10.1089/end.2021.0514. Epub ahead of print.

5 Narain TA, Tosh JM, Gautam G, Talwar HS, **Panwar VK, Mittal A**, **Mandal AK**. Neoadjuvant Therapy for Cisplatin Ineligible Muscle Invasive Bladder Cancer Patients: A Review of Available Evidence. Urology. 2021 Aug;154:8-15.

6 Krishnan A, Sharma G, Devana SK, Zohmangaihi, Mavuduru RS, **Mandal AK**, Sharma AP, Bora GS. Urinary adenosine triphosphate and nitric oxide levels in patients with underactive bladder: A preliminary study. World J Urol. 2021 Dec;39(12):4421-4425. Doi: 10.1007/s00345-021-03784-5

8 Ranjan R, **Mittal A, Panwar V, Navriya SC**, Singh S, **Mandal AK**,P0164 - Novel scoring system and advanced management algorithm for emphysematous pyelonephritis, European Urology,Volume 79, Supplement 1,2021,Page S236-Abstract

9 Singh G, **Mittal A, Panwar VK**, **Mandal AK**, Sinha S, Bhadoria AS.P0705 - Urodynamics in the evaluation of lower urinary tract symptoms in young adult males: A systematic review, European Urology, Volume 79, Supplement 1,2021, Pages S971-S972 –Abstract

10. Ranjan R, **Navriya SC**, Kumar S, **Mittal A**, Singh S, **Panwar V**, **Mandal AK.** P0986 - Emerging role of Telemedicine in urology: COVID brought the opportunity for the future!,EuropeanUrology,Volume 79, Supplement 1,2021,Page S1388- Abstract

11 Kumar S, **Mittal A, Panwar VK**, **Mandal AK**. Laser epilation of luminal hair following skin graft urethroplasty for hypospadias: the hair snare. BMJ Case Reports CP. 2021 Sep 1;14(9):e244123.

12. Ranjan SK, **Navriya SC**, Kumar S, **Mittal A**, Bhirud DP. Emphysematous cystitis: A

case report and literature review of 113 cases. Urology Annals 2021;13 (3):312

13. Selvaraj N, Jain G, Tripathy DK, **Mittal A**, Indulekha H. Accuracy of non-invasive haemoglobin measurementsin patients undergoing transurethral resection of prostate surgery. Indian J Anaesth 2021; 65:62-8
14. Kumar P, Sehrawat A, Sundriyal D, Anand A, Sharma A, Agarwal A, Sharma P, **Mittal A**, Gupta MK. P139 - Optimal Chemotherapy for Cisplatin-Ineligible Advanced URothelial Cancer: Gemcitabine with CArboplatin vs. Paclitaxel-Prospective Randomized Trial (CAUR CAP TRIAL), European Urology Open Science,Volume 33, Supplement 3,2021,Page S392
15. Talwar HS, **Panwar VK**, Ghorai RP, **Mittal A**. Catastrophic complications of urolithiasis in pregnancy. BMJ Case Rep. 2021 May 31;14(5):e241597
16. Ranjan R, **Mittal A**, Ranjan SK, **Panwar V**, Talwar HS. Ganglioneuroma presenting as an adrenal incidentaloma: Feasibility of adrenal-sparing surgery. J Minim Access Surg. 2021 Jul-Sep;17(3):389-391
17. Talwar HS, **Panwar VK, Mittal A**, Ghorai RP. Successful management of a high-output urinary fistula following radical cystectomy and ileal conduit: a conservative approach. BMJ Case Reports CP. 2021 Dec 1;14(12):e244617
18. Tosh JM, Jindal R, **Mittal A, Panwar VK**. Acquired scrotal lymphangiectasia, a long-term sequela of penile carcinoma: diagnosis an enigma. BMJ Case Reports CP. 2022 Jan 1;15(1):e246376.
19. Ghorai RP, Talwar HS, **Mittal A**, Narain TA, **Panwar VK**. A 17-year-old indwelling ureteral stent with large vesical calculus at one end: The tombstone of a forgotten Double "J" stent. Journal of Family Medicine and Primary Care. 2022 Feb;11(2):796.
20. Singh G, **Mittal A, Panwar VK,**Ghorai R, Upadhyay A. Acute Pyelonephritis With Cullen's Sign Masquerading As Pancreatitis. Cureus. 2022 Mar 16;14(3).

Book published/Book Chapter

1. **Mittal A, Panwar VK**., Singh, G. Advancements in Intravesical Chemotherapy in Non-Muscle Invasive Bladder Cancer. In: Ziglioli, F. ,Maestroni, U. , editors. Modern Approach to Diagnosis and Treatment of Bladder Cancer [Internet]. London: IntechOpen; 2021 [cited 2022 May 05]. Available from: https://www.intechopen.com/chapters/77926 doi: 10.5772/intechopen.99441

2. Agrawal O, **Panwar VK,** Singh G, **Mittal A**. (2022). Sleep, Sleep Disorders, and Sexual Dysfunctions. In: Gupta, R., Neubauer, D.N., Pandi-Perumal, S.R. (eds) Sleep and Neuropsychiatric Disorders. Springer, Singapore. https://doi.org/10.1007/978-981-16-0123-1_24
3. Sinha, S., Vasudeva, P., Bharadwaj, S. et al. Role of Pelvic Organ Crosstalk in Dysfunction of the Bowel and Bladder. Curr Bladder Dysfunct Rep (2022). https://doi.org/10.1007/s11884-022-00645-8
4. Kumar S, **Navriya SC**. Identifying and preventing ureteric Injuries in complex Gynecologic surgeries. Robotic Gynecologic surgeries. Chapter 11, 84-91.

Volume 1 Issue 2 (Jan-Apr 2021)





- 100 Pages
- 28 Articles in 16 Sections





- 100 Pages
- 26 Articles in 15 Sections





- 88 Pages
- 25 Articles in 16 Sections

JOURNAL OF MEDICAL EVIDENCE



11. JOURNAL OF MEDICAL EVIDENCE

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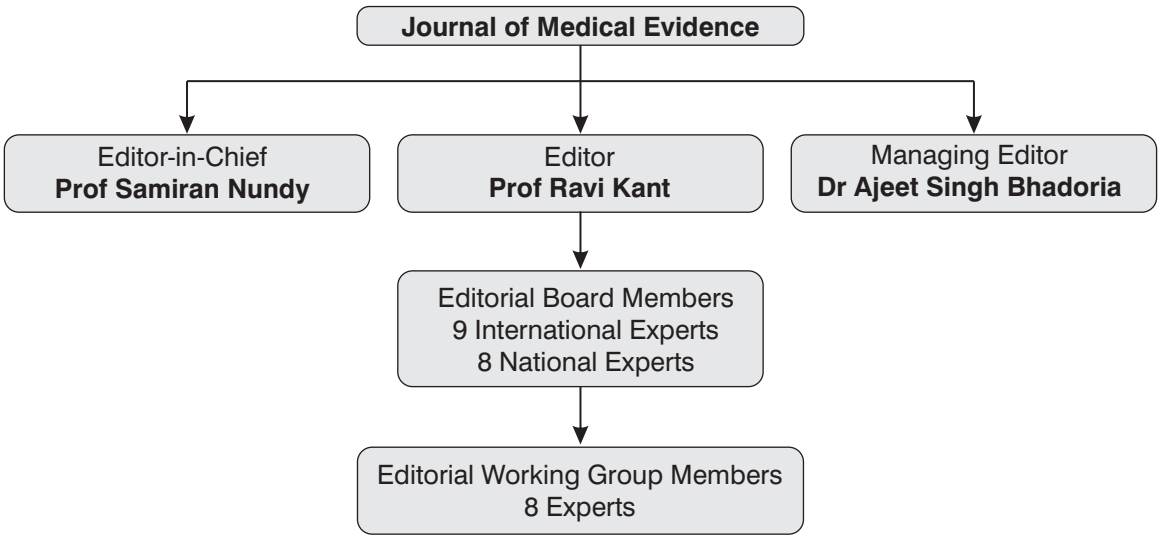
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Mission

The primary goal of the journal is to be a high-quality academic journal in Medicine with global readership. We have a rigorous, but quick, peer review process in order to ensure that high-quality articles are published. To escalate the performance of our editorial team, we calculate the average acceptance and rejection rates, as well as the average time it takes for editors to make a decision. These metrics help us determine whether our editors are following the peer review timeline outlined in the journal's policies, and whether the manuscript acceptance/rejection rates are in accordance with our targets. We hope that this journal will maintain the standards as per the international norms and improve progressively in the coming days.

Organogram



1. Departmental activities:

Weekly meetings- TheEditor in chief and editors put their untiring dedicated efforts in to editing of the articles. Their perseverance, sincerity, and commitment have helped the journal to evolve with time. We hold weekly meetings via online platforms, every Saturday under the chairmanship of Editor-in-chief Prof Nundy.

Volume 2 Issue 1 (Jan-April 2021)- Published 28 manuscripts in 16 sections.

Volume 2 Issue 2 (May-Aug 2021)- Published 26 manuscripts in 15 sections.

Volume 2 Issue 3 (Sept-Dec 2021)- Published 26 manuscripts in 17 sections.

2. New initiative of department/cell

JME Office in Central Library

3. Other activity / achievement by department / cell

The journal has been indexed in DOAJ

4. Future plans

a) The journal's goal is to publish high-quality research on a variety of topics in modern medicine. We expect numerous quality submissions in future. The standard of the journal will be maintained by the dedicated editorial team by adopting practises like blind peer review and timely maintenance of the manuscript flow from the time of submission to final decision.

b) JME Calendar 2023

c) JME Gift Shop



EXAMINATION SECTION







12. EXAMINATION SECTION

Examination Section formulates standard operating procedures for various examinations, conducts and analyses all examinations in a fair and unbiased manner. The compilation and declaration of results is done in consultation with the Competent Authority. Besides this, examination section keeps all records pertaining to examinations also.

Activities of examination section and its various committees:

Duties

- Conducting all the internal and professional examination throughout year in a fair manner
- Conducting Entrance examinations for academic courses biannually.
- Keeping confidential records of each examination.
- Preparation of question banks for MBBS and other courses for future use

Examination committees

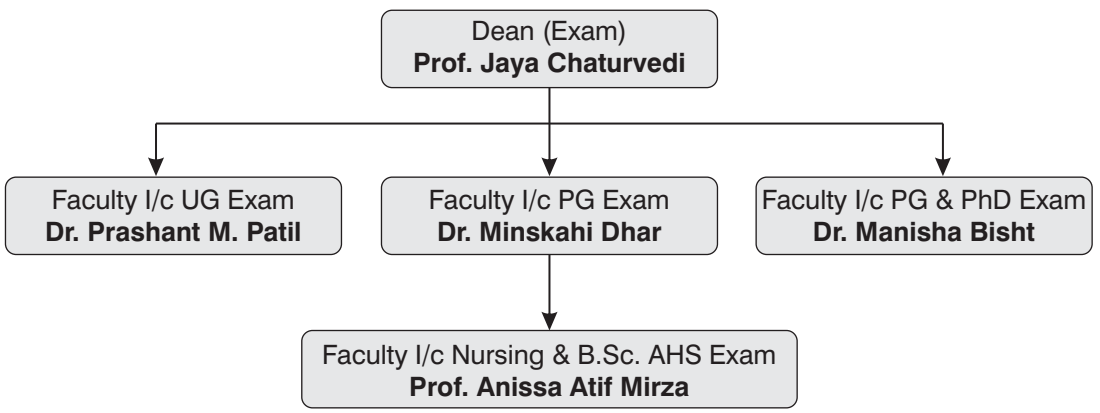
During each professional examination formation of Sub- committees

- Chief Examination Superintendent (CES)- overall In-charge of particular professional examination.
- Invigilators: Appointed for Dean examination
- Tabulation committee- to tabulate the marks and prepare the final result (including mark sheets)
- Unfair means committee- to take prompt and appropriate action into any unfair means during examinations
- Internal Vigilance Committee-tolook into the strict vigilance during theory and practical examination.

Department has following members & staffs –

S.No.	Name of Member/staff	Designation
1	Prof. Jaya Chaturvedi	Dean (Exam)
2	Dr. Prashant M.Patil	Faculty I/c UG Exam
3	Prof. Anissa Atif Mirza	Faculty I/c Nursing & B.Sc. AHS Exam
3	Dr.Minskahi Dhar	Faculty I/c PG Exam
4	Dr. Manisha Bisht	Faculty I/c PG & PhD Exam

Organogram



I) **Departmental activities :**

Examinations conducted for MBBS

S. No.	Date	Batch	Name of Examination	Appeared	Pass	Fail	Detained/ Absent	Distinction (at Least In One Subject)
1	April 2021	2019	1st MBBS Supplementary Examination	01	01	00	00	00
2	April 2021	2018	2nd MBBS Professional Examination	112	98	14	00	20 (over all) 35 in Microbiology 30 in Pathology 14 In Pharmacology 04 in Forensic Medicine & Toxicology
3	Aug 2021	2018	2nd MBBS Supplementary Examination	13	08	05	00	02 in Pathology
4	Feb 2022	2018	3rd MBBS Professional Examination	100	89	11	02 detained in CFM 01 detained in Psychiatry	35 (Ophthalmology) 25 (Orthopaedics) 26 (ENT) 64 (Dermatology) 01 (Over all)
5	June 2021	2017	3rd MBBS Supplementary Examination	08	07	01	00	02 in Dermatology
6	June 2021	2016	4th MBBS Supplementary Examination	06	04	02	01 detained in Medicine	00
7	Dec 2021	2017	4th MBBS Professional Examination	101	98	03	00	02 (Medicine) 02 (Paediatrics) 02(Surgery) 35 (Obs. & Gyn.) 02 (Over all)
8	Mar 2022	2017	4thMBBS Supplementary Examination	03	02	01	00	00
9	Dec 2021	2020	1st MBBS Professional Examination	174	152	22	01 absent in all subjects 01 detained in Anatomy 02 detained in Physiology	06 in Anatomy 05 in Physiology 63 in Biochemistry 14 over all
10	Feb 2022	2020	1st MBBS Supplementary Examination	22	14	08	00	00

Examinations conducted for Nursing courses

S. No	Date	Batch	Name of Examination	Appeared	Pass	Fail	Detained/ absent	Distinction (at Least In One Subject)
1	July 2021	2017	B.Sc. (Hons) Nursing 4th year Professional Exam	57	57	00	00	11 (Communication & Educational Technology) 03 (Nursing Research & Statistics) 05 (Nursing Management) 10 (Over All)
2	July 2021	2019	M.Sc. Nursing 2nd year Professional Exam	14	14	00	00	07 (Over All)
3	July 2021	2020	M.Sc. Nursing 1st year Professional Exam	09	09	00	00	02 (Over All)
4	Nov 2021	2020	B.Sc. (Hons) Nursing 1styear Professional Exam	98	96	02	03	02 in Nursing Foundations-I
5	Feb. 2022	2020	B.Sc. (Hons) Nursing 1styear Supplementary Exam	03	03	00	00	00
6	Oct 2021	2019	B.Sc. Nursing 2ndyear Professional Exam	100	100	00	00	10 Over all 38 in Microbiology 03 in Medical Surgical-I Theory 02 in Pharmacology
7	Oct 2021	2018	B.Sc. Nursing 3rdyear Professional Exam		97	97	00	0013 (Mental Health Nursing Theory) 18 (Nursing Research & Statistics) 08 (Medical Surgical Nursing-II Theory) 05 (Over All)

Exit Examinations Conducted of B.Sc. Allied Health Sciences Courses, Plaster Technician and PDCC

S. No	Date	Batch	Name of Examination	Subject	Appeared	Pass	Fail	Detained/ absent	Distinction (at Least In One Subject)
01	June 2021	July 2020	PDCC	• Cardiac Anaesthesia • Interventional Pain Medicine	07	07	00	00	00

			• Onco-Anaesthesia • Onco-Pathology • Paediatric Anaesthesia • Paediatric Endocrinology • Advanced Echocardiography						
02	Mar 2022	Jan 2021	PDCC	• Critical Care Anaesthesia • Onco-Anaesthesia • Paediatric Anaesthesia • Breast Imaging • Obs. & Gyn. • Cross Sectional Body Imaging • Vascular Radiology • Gastro Radiology • Head & Neck and Neuro (Radiation Oncology) • Genito-Urinary & Gynae Oncology (Radiation Oncology) • Molecular Diagnosis	11	11	00	00	00
03	May 2021	Jan 2020	Diploma in Plaster Technician		02	02	00	00	00
04	Aug 2021	July 2020	Diploma in Plaster Technician		01	01	00	00	00

05	Aug 2021	2018 & 2019	B.Sc. Allied Health Sciences Courses (Supplementary Exam)		10	10	00	00	00
05	Feb 2022	2018, 2019 & 2020	B.Sc. Allied Health Sciences Courses (Final Exam)		82	74	08	00	• B. Optometry 3rd year-04 in Occupational Optometry and Practice Management • B.Sc. Nuclear Medicine 3rd year 01 Over all 01 in Radio Pharmacy, Radio Biology & Radiation Safety • B.Sc. Nuclear Medicine 1st year- 04 in English • B.Sc. Radiotherapy Technology 1st year- 04 in Basic Physics, Radiation Physics & Basics of clinical Radiography/Imaging 01 in Over all • B.Sc. Respiratory Therapy 2nd year- 01 in Pulmonary Intensive Care-I • B.Sc. Urology Technology 1st year 01 in English • B.Sc. Anaesthesia Technology 1st year- 01 in Physiology and Biochemistry • B.Sc. Medical lab Technology 1st year- 03 in Physiology 02 in Biochemistry

Exit examinations conducted for PG (MD/MS), DM/M.Ch., MPH & M.Sc. Medical

S. No	Date	Batch	Name of Examination	Subjects	Appeared	Pass	Fail	Detained/ Absent	Distinction (at Least In One Subject)
01	June 2021	July 2018	Post Graduate (MD/MS)	• Anaesthesiology • Dermatology, Venereology & Leprosy • General Medicine • General Surgery • Nuclear Medicine • Obs. & Gyn. • Orthopaedics • Radio-diagnosis • Physiology	20	19	01	00	01 in Obs. & Gyn.
02	Dec. 2021	Jan. 2019	Post Graduate (MD/MS)	• Anaesthesiology • Dentistry • Dermatology, Venereology & Leprosy • General Medicine • General Surgery • Obs. & Gyn. • Ophthalmology • Paediatrics • Pathology • Orthopaedics • Radio-diagnosis • Transfusion Medicine • Emergency Medicine • Nuclear Medicine	46	45	01	00	01 in MD Emergency Medicine

03	June 2021	July 2018	DM/M.Ch.	• (M.Ch.) Plastic & Reconstructive Surgery • (DM) Cardiology • (DM) Cardiology • (DM) Cardiology • (DM) Clinical Haematology • (DM) Clinical Haematology • (DM) Clinical Haematology • (DM) Critical Care Medicine • (DM) Critical Care Medicine • (DM) Gastroenterology • (M.Ch.) Head Neck Surgery & Oncology • (DM) Neonatology • (DM) Neuro-Anaesthesiology & Critical Care • (DM) Neurology • (DM) Neurology • (M.Ch.) Neuro-Surgery • (M.Ch.) Gynaecologic Oncology • (M.Ch.) Paediatric Orthopaedic Surgery • (M.Ch.) Paediatrics Surgery	24	23	01	00	01 in M.Ch. Plastic & Reconstructive Surgery 03 in DM Clinical Haematology

				• (DM) Pulmonary, Critical Care & Sleep Medicine • (M.Ch.) Spine Surgery • (M.Ch.) Trauma Surgery & Critical Care • (M.Ch.) Urology • (M.Ch.) Neuro-Surgery					
04	July 2021	2019	MPH		05	05	00	00	00
05	Dec. 2021	Jan. 2020	MPH		13	06	07	00	00
06	March 2021	Jan. 2020	MPH Supplementary		07	07	00	00	00
07	June 2021	July 2018 & 2019	MSc Medical	• Medical Anatomy • Medical Biochemistry • Medical Pharmacology	06	05	01	00	00
08	Dec. 2021	July 2019	MSc Medical	• Medical Biochemistry	01	01	00	00	00

Examinations conducted for entrance examination

S.NO.	NAME OF EXAMINATION	WRITTEN EXAMINATION DATE	APPEARED CANDIDATES
1	DM Entrance Examination	07/04/2021	55
2	Senior Resident (Non-academic) Entrance exam	23/11/2021	38
3	Entrance Exam of Nursing Tutor/Clinical Instructor on tenure basis	21/12/2021	79
3	Entrance Exam of MPH	21/12/2021	53
4	DM/M.Ch. Entrance Exam	29/12/2021	92
5	PDCC entrance exam	27/01/2022	24
6	Senior Resident (Non-academic) Entrance exam	21/03/2022	124

2. New initiative by department

Online Examination of MD/MS, DM/M.Ch., MBBS, B.Sc. (Hons.) Nursing, M.Sc. Nursing, M.Sc. Medical and MPH, through video conferencing during COVID 19 Pandemic

3. Other activity/achievement by department

a) Processes preparation for online enrollment card and admit card

b) Initiated automatic SMS service to intimate examiners regarding status of remuneration to their

c) respective bank account.

4. Future plan

a) Conducting training of all faculty on Assessment methods for various exams for faculty development

b) Development of Manual of Assessment at AIIMS, Rishikesh.

c) Compilation of Question bank in a systematic manner for MBBS and BSc Nursing courses with coding

a. of each clinical vignette for ease in retrieval.

d) Back up of all examination's question papers and question banks to be kept in hard disk and cloud.

e) Training of all staff on handling Excel, google drive, working on email while using google drive options.

f) Automated portal system for receiving questions from external and internal examiners.

g) Streamlining of all internal processes involved in the conduct of an exam which involves preliminary

a. checking of question papers for its appropriateness, preparation of checklist of tasks to be done,

b. compilation of all letters to be sent for an exam, compilation of all note sheets, checklist of work and

c. items to be arranged for the day of exam, Revision of OMR sheet, Responsibilities of support staff,

d. invigilators, chief invigilators, examination superintendent, format of remuneration etc.

h) Training of examination support staff regarding various processes during conduct of an examination

ENGINEERING SECTION





PEDIATRIC ICU (Under Construction)





MOLECULAR LAB (UNDER CONSTRUCTION)

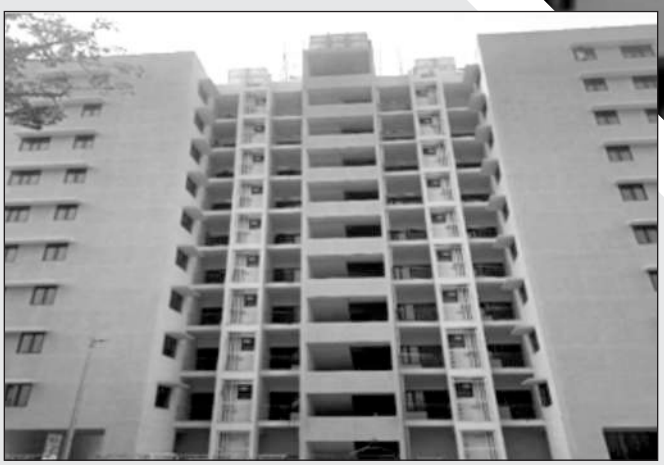




IVF CENTER



TYPE –V QUARTERS







TYPE –VI QUARTERS

13. ENGINEERING SECTION

AIIMS Rishikesh is located at the bank of river Ganga at altitude of 372 meters above sea level, nestled in beautiful hilly terrain. Rishikesh lies in foothill of Himalayas and comes under Zone – IV which is considered to be the high seismic zoneand requires lot of engineering precautions to be taken during pre-construction and post construction stage. Rishikesh - has a pleasant climate for many months of the year. In the months of summer, temperature in Rishikesh varies from 35 degrees to 42 degrees Celsius. The temperature ranges from 10 degrees to 30 degrees Celsius in the months of winter. The weather of Rishikesh often becomes unpredictable. There is frequent precipitation that takes place. The annual mean rainfall in Rishikesh is about 2136.7 mm.

Engineering section headed by Shri B S Rawat, Superintending Engineer AIIMS with supporting Engineers namely Shri Ajay Kumar, Executive Engineer (Civil), Shri Ragul PK, Executive Engineer (AC&R) and Shri Indrajeet Singh, Executive Engineer (Electrical) followed by AEs and JEs with Technicians.

Area of AIIMS Campus is 101 acre whereas total built up area of campus is 207340 sqm, comprising of 165000 sqm of non-Residential areas and 42340 sqm of Residential areas. About 99% work of phase -1 work has been completed.

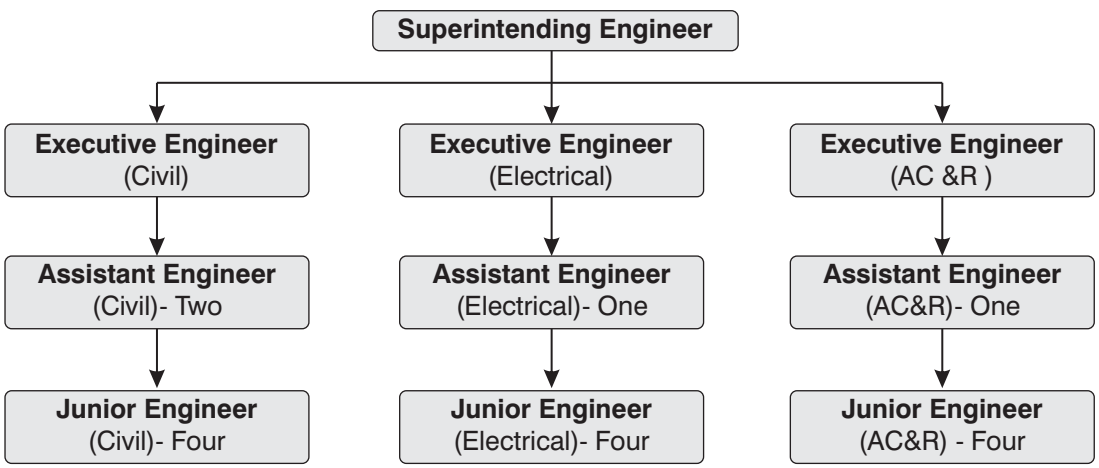
Department has following Members & staffs –

Sl.No.	Name of Officer/staff	Designation
1	Shri B S Rawat	Superintending Engineer
2	Shri Ajay Kumar	Executive Engineer (Civil)
3	Shri Ragul P K	Executive Engineer (AC &R)
4	Shri Indrajeet Singh	Executive Engineer (Elect.)

Mission

- To create and maintain the infrastructure as per the requirement of Hospital.
- To provide trouble free engineering services, facilities, maintaining 24x7 reliable electricity and water supply to keep the hospital running and to maintain the hospital temperature through HVAC system for achieving comfort level of both patients as well as health care workers.
- To minimise the breakdown in mechanical, electrical and plumbing services. Public washrooms and toilets to be kept trouble free at all times.
- To maintain Horticulture & facade of Hospital complex building in neat and clean condition.
- To attend minor breakdown within time to minimise any major breakdown.
- To make available all required manpower round the clock for checking any breakdown in electricity, water and air conditioning facility.

Organogram



I) Departmental activities:

1. Details of construction completed in Institute

a) C/o 72 NOS Type –V and 27 Nos Type –VI quarters for senior doctors and staff.

b) Establishment of IVF lab

c) SITC of 2250 KVA DG set for HVAC system

d) SITC of 4 nos lifts for MGPS , Trauma Center & Dietary Services at AIIMS Rishikesh

e) Auto-walk travellator for connecting A,B,C & D blocks.

f) SITC of Fire Alarm and CO sensor in guest house at AIIMS Rishikesh

2. Details of construction on-going in Institute

a) Supply Installation Testing Commissioning of 1 nos. additional cooling tower for HVAC system

b) Molecular lab

c) VRDL Lab

d) MRU Lab

e) Up gradation of Paediatric ICU

f) Construction of Auditorium Building including HVAC , Fire Fighting and Fire alarm system, Smoke venting system & Audio Visual system etc.

g) Work of Fountains, Public addressing system, Fire Fighting and Fire alarm system in Hospital Complex , Nursing college, Trauma Centre and ancillary buildings under Package-II & Package-IV etc.

3. New initiative

Engineering department has initiated the proposal for the following works of having estimated value of Rs. 40 Cr. (Approx.)

Sl. No.	Proposed work
1	Extension of E- Examination computer Lab
2	Development/Balance work around additional 2x10KL vessel of LMO tank
3	Strengthening of stone cladding work at trauma centre
4	Interior furniture for central library
5	Supply and installation of LT-4 furniture in nursing college
6	Construction of store behind laundry
7	Construction of medical gas cylinder store
8	Carpeting work in auditorium
9	Supply and installation of nursing station in hospital area
10	Sewer connection of MRU and VRDL lab at AIIMS Rishikesh
11	Laying of secondary line for water supply from sump tank to hospital and residential building
12	Extension of temporary hall near mortuary
13	Construction of 4 number patient attend shelter and benches
14	Construction of store for pharmacy
15	Construction of Two Badminton court near UG Girls hostel (B.No.83)
16	Providing and Fixing of Grab Bar for patient toilet at AIIMS Rishikesh
17	Repairing work in trauma OT level1 D3 area
18	M.S. Display at Entrance of Gate No.3
19	Painting of courtyard area in medical, hospital,OPD& Trauma building
20	Supply of zinc alloy tank in hospital area
21	ARMO of hospital building
22	PVC Flooring and aluminium work in Trauma CCU
23	Supply and installation of parking signage and AIIMS signage (Hindi)
24	Repairing of tile by granite flooring in hospital area
25	Repairing of floor tile and wall tile of emergency area

26 Sewer line connection from Laundry to ETP
27 Repairing of lift wall tile in Hospital complex
28 Internal and external painting of residential buildings
29 Supply and installation of blinds in hospital building
30 Sewer cleaning of residential and non-residential area
31 Cleaning of terrace water tank and sump tank of residential and non-residential area.
32 Repairing of common toilet floors of trauma building, hospital and residential building
33 Repair of expansion joint in hospital, trauma and residential building
34 Connection of ETP line from laundry to ETP tank
35 Maintenance of external water supply line of residential and non-residential building
36 Repair of leakage in toilets in residential and non-residential building
37 Replacement of glass panes in residential and non-residential building
38 Replacement of cup board shutter flush door shutter and aluminium shutter and replacement of floor spring in hospital and residential building
39 Provision of aluminium partition and MS work in residential and non-residential building
40 Internal and external painting of hospital building
41 Repair of boundary wall all around campus side
42 Supply of scrub station in hospital ward
43 PVC flooring in OT area
44 Supply and installation of hermetically sealed door in OT area
45 Establishment of BME space
46 Glazing work in sky walk
48 Pathway work between CSSD and gas station
49 Repair of roof waterproofing in Day care ward (Building No.48)
50 Procurement of PVC tank for firefighting system
51 Repair of Expansion joint in Nursing hostel (B No.81)
52 Exterior painting of Type 1 (A) & 1(B) (B.No.63 & 64)
53 Development of washroom in KTU at Trauma building.
54 Internal & External finishing of mortuary (B. No.24) & Painting of Footpaths
55 CAMC of Fire Fighting and Fire alarm system at AIIMS Rishikesh
56 CAMC of Electrical services at AIIMS Rishikesh
57 Procurement of LED lights for Hospital complex
58 Replacement of Trauma Center Lifts at AIIMS Rishikesh
59 SITC of 2x10 KL Liquid Medical oxygen tanks at AIIMS Rishikesh

4. Other activity/achievement of department/section

Successfully defended the arbitration case going against M/S JMC (i) Ltd in Package-II work and M/S Omaxe Ltd.

5. Future plan

Sl. No.	Name of Work	Approx. Estimated Cost	Remarks
1.	Construction of 150 bedded Critical care Hospital Block under Pradhan Mantri Ayushman Bharat Health Infrastructure Mission.	123.19 Cr	Administrative approval received. Work assigned to CPWD. Further Action to call tender and Execution of work is being taken up by CPWD.

2	Construction of Satellite Center of AIIMS Rishikesh at Kichcha, Udhamsingh Nagar	495 Cr.	SFC approved the proposal. DIB approval is awaited. Concept plan already approved by the AIIMS Rishikesh. Tendering process is in progress by the CPWD.
1.	Construction of Academic Block	97.61 Cr	In principal approval accorded by SFC. DPR to be submitted by CPWD.
2.	Construction of Transplant Center	97.61 Cr	In principal approval accorded by SFC. DPR to be submitted by CPWD.
3.	Construction of Advance Oncology	97.00 Cr	In principal approval accorded by SFC. DPR to be submitted by CPWD.
5.	Construction of Cardio Neuro Centre	220.00 Cr	In principal approval accorded by SFC. DPR to be submitted by CPWD.
7.	Construction of multi-storeyed parking	20.00 Cr	Estimate received, matter to be put up in SFC for approval.
8.	Construction of 600 Nos SR JR Transit accommodations for SR's	95.00 Cr	In principal approval accorded by SFC. DPR to be submitted by CPWD
9	Construction of Working women hostel.	95.00 Cr.	In principal approval accorded by SFC. DPR to be submitted by CPWD
10	Construction of 250 rooms capacity MBBS boys hostel.		Meeting held under chairmanship of Dr. Manoj Gupta, Dean AIIMS Rishikesh for construction of 250 rooms MBBS Boys hostel with bigger room size. Estimate to be received from CPWD thereafter matter shall be placed in SFC for approval.





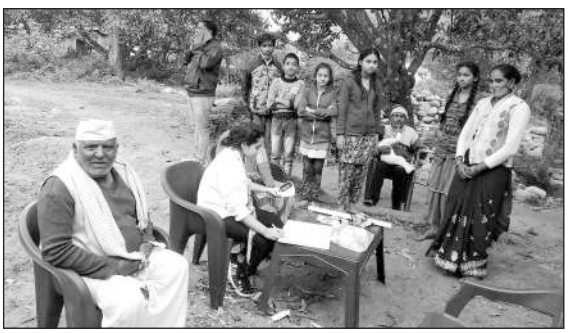




CORPORATE SOCIAL OUTREACH CELL







14. CORPORATE SOCIAL OUTREACH CELL

AIIMS Rishikesh has a mandate of providing quality medical care to the community at large. The Institution ensures equitable access to these health care services. Besides providing facility based medical care, the Institution promotes participation of all Departments to actively engage in providing outreach health care services. These services include Promotive, Preventive as well as Curative care. These outreach programs play a critical role in improving and extending the reach of health care through activities such as health education, case management, basic health screening, and facilitating access to services. These activities can directly and indirectly improve health outcomes of individuals and communities. Time to time, Institution is receiving requests from Schools, Government Organizations as well as NGOs etc. for organizing Health Outreach camps for screening as well as health awareness.

Department/Cell has following members & staffs –

Sl. No.	Name of Member/staff	Designation
1	Dr. Santosh Kumar	Nodal Officer Associate Professor Community & Family Medicine
2	Mr. Harish Thapliyal	Public Relation Officer
3	Mr. Pradeep Chand Pandey	Law Officer
4	Mr. Sandeep Kumar	Outreach Administrative Assistant
5	Mr. Aman Deep Negi	Outreach Field Coordinator
6	Mr. Trilok Singh	Office Attendant
7	Mr. Pankaj Uniyal	Outreach Field Staff
8	Miss Swati Prajapati	Outreach Field Staff

Mission:

The objective of the Social outreach cell is to improve the health status of the people in rural underserved and inaccessible areas through high-quality preventive, promotive, curative healthcare services at their door steps. The outreach program involves working closely with the district and village level healthcare administration and also with the ASHA, Anganwadi workers and ANMs on the ground. A concerted effort was made to involve the community in delivering these services and that is the hallmark of a good community outreach program. Well organized and efficient fleet management systems, real-time monitoring and outcome orientation ensured continuity of service delivery. The Community Outreach Program is a platform that can be integrated with other public health, national programme and others existing community welfare Programme. Social, economic, cultural and behavioural domain of human life are also addressed by outreach cell to ensure the productive health and wellbeing of community.

I) Departmental activity:

1. Health awareness/ educational activities organized by department/Cell

a) An awareness program at Government Postgraduate College, Rishikesh on the occasion of World Health Day

- In the Swachhata Pakhwada Program, a one-day Dengue and Covid-19 public awareness program was organized in the urban slum area of Shanti Nagar and Muni Ki Reti in Rishikesh.
- A webinar on "Personal Finance Management in Corona period" was organized jointly with AIIMS Rishikesh under the aegis of Association of Mutual Funds in India.
- Free health camp organized on 14th April 2021 at Shanti Nagar Rishikesh (Dehradun)
- Social Outreach Cell AIIMS Rishikesh has prepared an online communication platform to deal with the problems of the public and the challenge and danger posed by the epidemic, keeping in view the ever-increasing Covid infection.








सबसे तेज प्रधान टाइम्स
एम्स ऋषिकेश में स्वास्थ्य संबंधित समस्याओं और खतरे से निपटने के लिए ऑनलाइन प्लेटफार्म तैयार किया: डॉ संतोष कुमार


विश्व स्वास्थ्य दिवस कार्यक्रम का आयोजन

b) Online interaction with Ladli Foundation Trust on 4th May 2021 in the context of Covid-19 Pandemic through Facebook Live

- Community dialogue program organized in the presence of Uttarakhand Rajya Sabha MP Mr. Naresh Bansal
- Social Outreach Cell AIIMS Rishikesh organizes a community interaction program with IIT Roorkee keeping in view the ever-increasing Covid infection.
- Free masks distribution to villagers by Mask Bank of AIIMS Rishikesh.









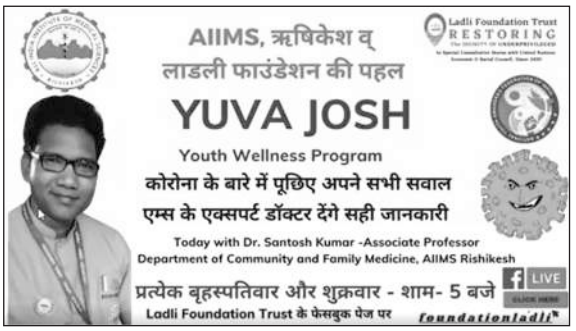
c) Launched “Yuva Josh Programme”.

- Yoga practiced in urban primary health center on the occasion of International Yoga Day

  Free masks distribution to villagers by Mask Bank of AIIMS Rishikesh
- Prevention & Appropriate behavior Live session in the context of covid-19 with Divya Himgiri and Uttarakhand Technical University









d) Webinar on “Post-Covid Wellness and Emerging Health Challenges” with IIT Roorkee.

- Memorandum of Understanding (MOU)between AIIMS Rishikesh and Sewa THDC on “Doorstep Primary Health Care Model through Mobile van.
- Free examination and treatment of women by Gynecologist and Pediatrician and Pediatrician in Urban Slums Outreach Health Camp at Urban Primary Health Center Shanti Nagar
- Organized awareness program in Urban Primary Health Center Shanti Nagar and Kailash Gate in the event of "World Hepatitis Day".







e) Seven Plus" Initiative launched for Prevention of Dengue under Swachhata Pakhwada program

- Dengue Awareness Programme for frontline staff security/ sanitation staff of AIIMS, Rishikesh.
- Free specialist health camp organized at Urban Primary Health Center Kailash Gate and Shanti Nagar Rishikesh.
- Free health camps were organized at Urban Primary Health Center, Mayakund located at Kailash Gate and Jain Temple Rishikesh at Shanti Nagar.






f) "Health and wellness programme" organized for youth by Namo Gange Trust.

- Free health camp organized by Urban Primary Health Center (UPHC) at Kailash Gate on 22nd September.
- Organized online health and wellness program with the students of Graphic Era University.
- Social Outreach Cell AIIMS Rishikesh has tied up with IIT Roorkee through digital platform. For "UDAAN" Outreach tele-health Consultation Programme.
- Discussion on mental health during the growing epidemic among college students of Uttarakhand with the Honorable Chief Minister of Uttarakhand





g) Health camp organized at Urban Primary Health Center (UPHC) at Shanti agar on World Mental Health Day 11 October 2021.

- Inauguration of UDAAN Outreach telehealth consultation Model under joint collaboration of Social Outreach Cell AIIMS Rishikesh and IIT Roorkee.
- Unnat Bharat Abhiyan Programme Discussion about the activities of Unnat Bharat Abhiyan with the participating institute coordinators of IIT Roorkee.
- Health and awareness camp organized at Urban Primary Health Center (UPHC) at Slum community of Rishikesh (Kailash Gate)
- Health and awareness camp organized at Urban Primary Health Center (UPHC) at Slum community of Rishikesh (Shanti Nagar).
- School Health Programme conducted in Schools of THDC.
- "Seven Plus Initiatives campaign" launched for prevention of Dengue in AIIMS campus.
- Health checkup & awareness campaign by Social Outreach Cell of AIIMS Rishikesh in Chandeshwar Nagar





h) Capacity building programme for Health functionaries of UPHCs.

- Community Wellness Program" organized in urban slums Rishikesh
- Awareness program organized in Slum Rishikesh during World Antimicrobial Awareness Week.
- Outreach telehealth consultation programme to villages of Uttarakhand through UDAN "Tele Health Consultation"
- Mask distribution program at Ranipokhari by Community Task Force team under Unnat Bharat Abhiyan









i) All the Vulnerable Population of Kumaun & Garhwal has been provided Tele- Health Consultation by Specialist of AIIMS, Rishikesh under UDAAN Programme.





2. Workshop / conference/ training organized by department

a) Online Workshop through Webinar

b) We all are facing an unprecedented situation and witnessing a historic period in this Covid-19 era. A webinar on "Post-Covid Wellness and Emerging Health Challenges" was organised by the Social outreach cell, AIIMS Rishikesh in collaboration with IIT Roorkee. The aim of the event is to take a proper consultation in the context of the main problems to be faced after Covid -19 and as well as to remove the emotional and social stress among the affected people.

c) School training Programme for COVID-19 appropriate behaviour in Rishikesh

d) Post COVID-wellness Programme for Ayush Ministry (As a webinar for general public)

e) Health & wellness Programme for Students of Graphic Era University students .

3. Awards / honours received by department

a) The Nodal Officer of Social Outreach Cell Dr. Santosh Kumar has been awarded Ambedkar

b) Ratan for his outstanding work during the corona pandemic.

c) Certificate of Appreciation by UNNAT BHART ABHIYAN (Ministry of Education) for Covid-19 Awareness in Community.

4. New initiative of department

a) Seven Plus Initiative to Prevents & Dengue" Campaign launched for prevention of Dengue.

b) "UDAAN" Tele Health Consultationwas started by Social Outreach cell AIIMS Rishikesh.

c) "कोरोना से बचाव एक सजग पहल" Book Launched.

d) Monthly New Letter on Hindi.

5. Other activities / achievement by Department

a) More than 85,000 masks were distributed by social outreach cell AIIMS Rishikesh.

b) Outreach Tele- Health Consultation to distance village of Uttarakhand at no Internet Access Area by "UDAAN"

6. Future plans

a) Adoption of new village under "UDAAN Programme.

b) To Create "Volunteer health Task force" in Outreach Community of Uttarakhand.

c) To Initiate training programme for Primary care skills & practices for primary care physician.

RASHTRIYA BAL SWASTHYA KARYAKRAM (RBSK)



Post operative photograph of a 7 year old patient operated for ASD Closure



Family counselling



Pre operative counselling of RBSK patient

15 RASHTRIYA BAL SWASTHYA KARYAKRAM (RBSK)

Rashtriya Bal Swasthya Karyakram (RBSK) is an initiative launched by Ministry of Health and Family welfare. The program envisages to reach out to children from birth to eighteen years - new born, preschool & school children, and ensures early identification and treatment of 4 D's - Defects at birth, Diseases, Deficiencies and Developmental delays along with disabilities. Being a tertiary center, AIIMS, Rishikesh conducts all surgical procedures which comes under RBSK. Despite COVID 19, total number of patients enrolled under RBSK in the current year were 161. Total number of surgeries performed under RBSK were 29. This program covers 30 Identified diseases.

S.No	Department	Diseases	Number of surgeries	Total
1	CTVS	VSD Surgical Closure ASD Surgical closure BT Shunt Glenn shunt PDA Device Closure/PDA Ligation	15 02 04 01 03	25
2	Orthopedics	Open reduction with femoral and acetabular osteotomy	01	01
3	Ophthalmology	Squint	01	01
4	Neurosurgery	Spina Bifida Surgery VP Shunt	01 01	02
Total number of surgeries performed under RBSK (1st April 2021 to 31st March 2022)				**29**

Department has following members & staffs –

Sl.No.	Name of Member/staff	Designation
1.	Dr. Ranjeeta Kumari	Additional Professor (Nodal Officer, RBSK)
2.	Lakshmi Rawat	Nursing Officer (Coordinator)
3.	Jyoti Pandey	Nursing Officer (Coordinator)
4.	Sandhya Pundir	Clerical

I) Departmental activity:

1. Activities/achievement by Department

a) RBSK team efforts to give full support and benefit of program to maximum number of patients by enrolling them under RBSK. Major surgeries like Bidirectional Glenn, VSD Surgical Closure have been conducted under RBSK with the coordination of CTVS department.

b) Total number of patients enrolled under RBSK in the current year were 161.

c) Total number of surgeries performed under RBSK were 29.

2. Health awareness/ educational activities organized by department

a) RBSK coordinators conduct awareness program in different departments about functioning of RBSK.

b) Health education is given to family members of patients by RBSK coordinators.

c) RBSK coordinators also provide updates of program to concerned departments

3. New initiative by department

a) RBSK facilitates direct enrolment of patients under RBSK if patient fulfilled criteria of under treatment RBSK category.

b) Enrolment under RBSK became smoother as RBSK team assisted patients in enrolment process.

c) Team RBSK directly coordinated with different District Early Intervention centres regarding patient's condition & documentation.

d) Preauthorization process became smoother as Uttarakhand health and family welfare society agreed for pre-authorization of patients, by HOD of concerned dept. at AIIMS Rishikesh.

e) Renewal process of RBSK MoU was initiated for next three years.

4. Future plans

a) To continue with provision of care, support and treatment for early identification and early intervention for children from birth to 18 years to cover 4 'D's viz. Defects at birth, Deficiencies, Diseases, Development delays including disability in the state of Uttarakhand.

b) To provide quality health care services to all eligible patients in a timely manner at AIIMS Rishikesh.



AYUSHMAN BHARAT YOJANA



16. AYUSHMAN BHARAT YOJANA

Ayushman Bharat Yojana was launched on 23rd September 2018, by the Prime Minister Shri Narendra Modi. The scheme is also called Pradhan Mantri Jan Arogya Yojana (PMJAY) or the National Health Protection Scheme (NHPS). It is also the biggest government funded healthcare scheme in the world. In this year 2018, Independence Day Speech the Prime Minister announced Ayushman Bharat – National Health Protection Scheme (AB-NHPS). Under the AB-NHPS, National Health Insurance Scheme was launched as a pilot project.

The scheme under Ayushman Bharat-National Health Protection Scheme covers medical as well as hospitalization expenses of the enlisted beneficiaries. The scheme aiming for the deprived and poor families in urban and rural parts of the country is estimated to benefit nearly 10 crore & more families of the country.

The AB-NHPS ensures a health cover of Rs 5 Lakh to each of the enlisted families for hospitalization in secondary and tertiary levels. To get maximum number of beneficiaries, no criterion has been fixed for the size of the family or the age of members. The scheme includes member of any age group from a nuclear family to even a large joint family.

Further, the beneficiaries can avail the services at the government hospitals or empanelled private hospitals. Every empanelled hospital has a "Ayushman Mitra" to facilitate the process and to assist the beneficiary by coordinating with the due procedure.

Department has following members & staffs –

Sl.No.	Name of Member	Designation
1	Dr. Vishal Mago	Faculty Incharge, Ayushman
2	Dr. Madur Uniyal	Faculty Co-Incharge, Ayushman
3	Dr. Bela goyal	Member
4	Dr. Kiran Meena	Registration counter In-charge
5	Dr. Mohit Bhatiya	Member, Billing
6	Dr. Pooja Bhadouriya	Registration counter In-charge

Departmental activity:

1. Activity/achievement/Award received by department

a) Ayushman Bharat Team has also applied for the Bronze Quality Certification, assessment of the same is also completed,

b) AIIMS Rishikesh is the first amongst all New AIIMS for getting the Bronze Quality Certification by Quality team of National Health Authority.





AIIMS, Rishikesh Ayushman Bharat was honoured by Honourable chief Minister Uttarakhand on 29/01/2021 for their superior services in Atal Ayushman Uttarakhand Yojana.

As per data provided by NHA and also published in newspaper that AIIMS Rishikesh is ranked as Number 1 AIIMS among all other AIIMS for treating highest number of patients under Ayushman Bharat Yojana.

Various Appreciation in Newspapers for its medical services provided to beneficiaries of Ayushman Bharat Yojana.

आयुष्मान योजना में उत्तराखंड के अस्पताल देशभर में टॉप पर

हिन्दुस्तान
एक्सक्लूसिव

देहरादून | विमल पुर्वाल RMU

50 हजार मरीजों का हो चुका है इलाज हिमालयन अस्पताल में

> आयुष्मान योजना के तहत मरीजों को निशुल्क इलाज देने के मामले में उत्तराखंड के अस्पताल टॉप पर हैं। नेशनल हेल्थ एजेंसी की ओर से हाल ही में भेजे गए डेटा के अनुसार प्राइवेट, एम्स और दूरस्थ अस्पतालों की श्रेणी में राज्य के अस्पताल इलाज देने में पहले स्थान पर हैं।
>
> -डीके कोटिया, चेयरमैन, स्टेट हेल्थ एजेंसी

आयुष्मान योजना में इलाज देने के मामले में उत्तराखंड के अस्पताल देश भर में सबसे आगे हैं। सरकारी, प्राइवेट और दूरस्थ श्रेणी के अस्पतालों की सूची में राज्य के अस्पतालों में देश में सर्वाधिक मरीजों का इलाज किया गया है।

जौलीग्रांट स्थित स्वामी राम हिमालयन अस्पताल में अभी तक आयुष्मान योजना के तहत 50 हजार के करीब मरीजों का निशुल्क इलाज हो चुका है। देश के किसी भी अस्पताल में योजना के तहत अभी तक इतने मरीजों का इलाज नहीं हुआ है। देश भर के एम्स की बात की जाए तो इस श्रेणी में भी ऋषिकेश एम्स पहले स्थान पर है। ऋषिकेश एम्स में अभी तक 30,419 मरीजों का इलाज हो चुका है। दुर्गम अस्पतालों में भी पिथौरागढ़ का बीडी पांडे जिला अस्पताल देश भर में पहले स्थान पर है। इसमें अभी तक 2706 मरीजों का सफलतापूर्वक इलाज किया गया है। संबंधित खबर पेज 07

Nainital resident avails more than five lakhs in the Ayushman Bharat scheme

First in the State to do so

PNS ■ DEHRADUN

Nainital resident Mohammad Hasim became the first person in the state to get treatment costing more than five lakhs in the Ayushman Bharat scheme. There is a limit of ₹5 lakh in a year for the golden card holders under the scheme but the limit can be increased in exceptional cases. Hasim, 62- year- old, was suffering from a type of heart failure. He was admitted to the All India Institute of Medical Sciences (AIIMS) Rishikesh recently.

The associate professor at department of cardiology, Dr Barun Kumar said that to save the life of this patient of heart failure, it was very important to install a CRT-D device in his body. "This device functions like a pacemaker.

After all tests found that the patient has breathing problems and his heart function is not functioning properly and the heart size has also become larger. It was decided to install CRT-D devices to save the life of the patient. This process of installing the device has been done without making the patient unconscious," he said.

The Director AIIMS Rishikesh, Dr Ravikant commended the team of doctors who carried out the complex procedure of device transplantation.

The State Coordinator of Ayushman Bharat Yojana Uttarakhand, Atul Joshi said this is the first case in the state of treatment of a person with a Golden Card costing more than ₹5 lakh.

सफलता से प्रत्यारोपित की सीआरटी-डी

जागरण संवाददाता, ऋषिकेश

हृदय की समस्या से जूझ रहे एक व्यक्ति के उपचार में अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) ऋषिकेश के चिकित्सकों ने मरीज को बिना बेहोश किए सफलतापूर्वक सीआरटी-डी (कार्डियक रेसिंक्रोनाइजेशन थैरेपी डिफिब्रिलेटर्जिन) मशीन प्रत्यारोपित की है। मरीज अब पूरी तरह से स्वस्थ है और उसे एम्स अस्पताल से छुट्टी दे दी गई है।

पुलिस लाइन, नैनीताल निवासी 62 वर्षीय मोहम्मद हासिम पिछले एक साल से हृदय की समस्या से ग्रसित थे। रोगी को सांस फूलने और हृदय की पम्पिंग एक समान नहीं होने से उसे अक्सर बेहोशी आने की शिकायत थी। यहां तक कि कभी-कभी उसके दिल की धड़कन भी कुछ समय के लिए रुक जाती थी। एम्स के कार्डियोलॉजी विभाग के एसोसिएट प्रोफेसर डॉ. वरुण कुमार ने बताया कि रोगी का जीवन बचाने के लिए उसके शरीर में पेसमेकर की तरह कार्य करने वाली एक सीआरटी-डी डिवाइस लगाई जानी बेहद जरूरी थी। रोगी को लंबे समय से बार-बार सांस फूलने की तकलीफ थी थी। जांच में पाया गया कि उसका हार्ट फेल्योर सही ढंग से कार्य नहीं कर रहा है और हार्ट का साइज भी बढ़ा हो चुका है। उन्होंने बताया कि सीआरटी-डी डिवाइस लगाने की प्रक्रिया में ढाई घंटे का समय लगा है। डॉ. वरुण ने बताया कि डिवाइस लगाने की यह प्रक्रिया उच्च तकनीक के आधार पर मरीज को बिना बेहोश किए संपन्न कराई गई है। उन्होंने बताया कि मरीज अब पूरी तरह से स्वस्थ है और उसे अस्पताल से डिस्चार्ज कर दिया गया है। सीआरटी-डी प्रत्यारोपित करने वाले चिकित्सकों की टीम में डॉ. वरुण के अलावा सीनियर रेजिडेंट डॉ. शिशिर, स्टाफ नर्सिंग ऑफिसर हंसराज, इंदु, विपिन, हरिमोहन, अंकित आदि शामिल थे।



एम्स ऋषिकेश। जागरण आर्काइव

क्या है हार्ट फेलियर

हार्ट फेलियर। दिल की विफलता। एक गंभीर बीमारी है। डॉ. वरुण ने बताया कि कुछ लोगों का हृदय शरीर के अन्य अंगों का सहयोग करने के लिए पर्याप्त स्तर पर पम्प नहीं कर सकता है। ऐसे में हृदय की मांसपेशियां दबाव में आने के कारण हृदय में रक्त का प्रवाह धीमा या अवरुद्ध हो जाता है। मरीज का समय पर इलाज नहीं हुआ तो उसके जीवन को खतरा रहता है।

आयुष्मान से हुआ उपचार

मरीज 62 वर्षीय मोहम्मद हासिम आयुष्मान भारत योजना के तहत एम्स में भर्ती हुए थे। आयुष्मान भारत योजना के उत्तराखंड राज्य समन्वयक अतुल जोशी ने बताया कि गोल्डन कार्ड धारक किसी भी सरकारी के उपचार में पांच लाख से अधिक धनराशि का सहयोग सरकार की ओर से दिया जाता है। मगर, मोहम्मद हासिम के उपचार में छह लाख रुपये का खर्च आया, जिसे योजना के अंतर्गत ही वहन किया गया है। उन्होंने बताया कि गोल्डन कार्ड पर छह लाख रुपए का लाभ देने वाला यह राज्य में पहला मामला है।

2. Health awareness/educational activities organized by department

a) Institute always emphasized in order to create awareness and continues sensitization among Doctors and team.

b) Further for beneficiaries under Ayushman Bharat Yojana Banners, poster and notices are placed on conspicuous places at AIIMS Rishikesh.

3. Workshop/conference/training organized by department

a) Institute hasOrganized Public lecture regarding awareness of Ayushman Bharat Yojana.

b) Institute has also organized various conferences/and discussions for sensitization among Senior Resident, Junior Resident and Nursing officer for working procedures in line with Ayushman Bharat Yojana scheme.

4. New initiatives of department

a) Institute has separate registration counters for

- Cancer
- Dialysis
- Cardiac patients keeping in view of emergent situation.

b) Institute has also started compliance with implementation of State Government Health Scheme (SGHS) introduced by State Government from January 2021.

c) One Help Desk Counter is also started to help patient queries.

d) Monthly meeting with all faculty member and Ayushman Bharat Team for addressing the challenges and solutions.

5. Future plan

a) To provide its services to every beneficiary of Ayushman Bharat Yojna.

b) To emphasized on holding workshops and conferences for Doctors and Nurses at institute for better understanding of Scheme.

c) To also emphasized for holding discussions where doctors can share their suggestion for any new package so that benefit of the same can be provided to beneficiaries.

d) To emphasized on creating awareness and sensitization amongst patients.

e) To develop the medical facilities which are useful in treatment by which new procedures can also be added in package list in the interest of patients.

f) To develop the infrastructure so that number of counters can be increased for running counters 24x7 without any hindrance.

g) This scheme will surely improve the quality of life of the weaker sections of society who are held back drastically due to health issues that can easily be tackled with timely care and finances.

6. CME / conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

Training/Sensitization to Faculties, Officers, SRs, JRs, staffs has been given by Nodal Officer Dr. Vishal Mago and other members of the team.

7. Awards & honours received

AIIMS, Rishikesh Ayushman Bharat was honoured by Honrable chief Minister Uttrakhand on 29/01/2021 for their superior services in Atal Ayushman Uttrakhand Yojana. We are glad to inform you that we are ranked number one in all AIIMS as per NHA data.



QUALITY CELL









17. QUALITY CELL

Quality management is the act of overseeing all activities and tasks that must be accomplished to maintain a desired level of excellence in an institution. This includes the determination of a quality policy, creating and implementing quality planning and assurance, and quality control and quality improvement. Quality management processes make the institution a better place to work. Quality in health is doing the right things for the right people at the right time, and doing them right fir time and every time. It includes enhancing the accountability of health practitioners and managers, resource efficiency, identifying and minimizing medical errors while maximizing the use of effective care and improving outcomes, and aligning care to what patients want in addition to what they need. Clinical governance and better human resource management practices are important planks in the current health policies emphasizing quality of patient care.. One of the key goals of any quality management system is to improve quality of services our institution provides. Quality in such a system has three components: high accuracy, compliance with applicable standards, and high patient satisfaction.

Department/Cell has following members & staffs –

Sl.No.	Name of Member/staff	Designation
1	Prof UB Mishra	Chairperson, Quality and Hospital Operation Committee
2	Dr. Anubha Agarwal	Member Quality Team
3	Dr. Pooja Bhadoria	Member, Quality Team

Mission

Achieve NABH Accreditation to improve quality of patient care services and patient satisfaction.

I) Departmental Activities:

1. Workshop/ conference / training organized by department / cell

a) Trainings pertaining to NABH guidelines were conducted on medication management, documentation etc.of faculty, nursing officials and other staff.

- Medication Management Training for Nursing Staff (ANS, SNO, NO)
- Medical Record Documentation Training for Doctors and Residents.

b) Fire Training was conducted for all category of staff

c) Training on Code Blue was conducted in coordination with code blue teams.

2. New initiatives of department

a) As preparedness of Institute, following mock drills were organised to manage emergencies-

- Code Pink Mock drill were held,
- Code Blue Mock drill were held
- Code Red Mock drill were held
- Code Yellow Mock drill were held

b) Quality hand book has been released by the department on doctors day July 1, 2021 by Honble' Director AIIMS, Rishikesh. The book is a training module to guide all members of AIIMS Rishikesh to improve quality of care and patient safety. One hand book for each department and five for faculty and residents of each department have been distributed

c) Ministry of health and family welfare selected AIIMS Rishikesh as one of the Institute for entry level NABH certification. For this, Relacy Healthcare Management was assigned by MOHFW to assist AIIMS Rishikesh.

d) As a safety measure, facility rounds were conducted with Engineering, sanitation teams and others regularly.

e) Scope of services of Paediatric Surgery, Paediatric, Obstetric and Laboratories have been and are being displayed.

f) Crash carts required for life saving emergent treatment are placed in all areas of the hospital. Consumables are stored as per guidelines (LASA) to prevent errors.

g) Critical results registers and turnaround times were updated in laboratories and radiological departments.

3. Other activity / achievement of department

a) Quality meetings are held regularly to monitor progress of various activities.

b) Quality and Accreditation rounds were taken in wards, OPDs, pharmacy, ORs etc. to review accreditation process

c) Initiated the AB-PMJAY Bronze Quality Certification of AIIMS, Rishikesh. The onsite assessment for the same was conducted on 29 March, 2022.

d) Medical Record Audit conducted and feedback given to departments to improve quality of edical medical records

e) In preparation for NABH entry level accreditation the institutional policies required for the same are being updated in coordination with the respective departments- name polices

f) Legal tracker is prepared and monitored regularly to update licences and legal authorisations required by Institute.

g) Some committees have been revisedas per NABH requirements and standards.

h) As a safety measure, facility rounds were conducted with Engineering, sanitation teams and others regularly

i) Drug formulary, list of emergency medications, high risk medications/narcotics has been revised

j) Documentation formats of medical record such as initial assessment, plan of care, daily progress, medication record, nursing assessment, consents were updated as per standards.

k) Annual maintenance and preventive maintenance list of all equipment is updated and followed.

l) MSDS sheet has been prepared and circulated to all areas for safe handling of hazardous materials

4. Health awareness/ educational activities organized by department

Organized NABH orientation program for all the Clinical Departments, Non-clinical departments (laboratories), Nursing services, Support and Engineering Services. The Orientation was given by Dr. J. L Meena, Joint Director, National Health Authority for initiating "NABH entry level accreditation" – August 14, 2021

5. Future plan of department

a) To achieve:

- NABH Accreditation –Entry level accreditation in initial phase and then accreditation.
- Other NABH Accreditation (Hospital & Blood bank)
- NABL
- National Assessment and Accreditation Council (NAAC) Accreditation.

b) To conduct clinical audit workshop in AIIMS Rishikesh in the coming year.

c) To conduct workshopson medication management for health care workers





EVENTS & CELEBRATIONS









18. EVENTS & CELEBRATIONS

A. Ambedkar Jayanti

Dr. Baba Saheb Bhimrao Ambedkar's birthday was celebrated maintaining all covid precautions. The Director, Members of administration and staff paid homage to the great social reformer and thinker. His contributions towards nation and society were remembered.

B. INVICTA 2021



The first edition of INVICTA- The Intra-college Sports Fest of AIIMS Rishikesh was held from 27th October 2021 to 30th October 2021.

The event commenced with the flag march and parade of each batch after which the Dean Academics, Prof. Manoj Gupta declared the tournament open. This was followed by the opening ceremony where the students showcased their talents in a series of mesmerizing song and dance performances.

In the days that followed, the students from various batches of MBBS, Nursing and Paramedical courses competed against one another in sports like Basketball, Cricket, Kabaddi, Football, Volleyball, Badminton, Lawn Tennis, Table Tennis. Also in athletics there was Marathon, 100m race, 200m race, 4x100m relay race, Long jump, High jump, Shotput, Discus throw etc. Apart from it there was E-gaming and other fun-filled activities.

The four-day extravaganza came to an end with the prize distribution ceremony, following which the students took to the dance floor, letting their hair down and dancing their hearts out to the latest Bollywood tunes.

Winners of INVICTA-2021

Basketball



Boys:- Winner- Interns
Runner up- 2019 MBBS

Girls:- Winner- 2019 Nursing
Runner up- 2020 Nursing

Cricket



Boys:- Winner- 2017 MBBS
Runner up- 2018 MBBS

Girls:- Winner- 2018 Nursing
Runner up- 2016 MBBS

Kabaddi



Girls:- Winner- 2019 Nursing
Runner up- 2018 Nursing

Boys:- Finalist-
MBBS 2017 & MBBS 2016

Football

Winner- 2017 MBBS
Runners up- 2016 MBBS

Volleyball

Girls:- Winner- 2019 Nursing
Runner up- 2017 MBBS

Boys:- Winner- 2017 MBBS
Runner up- Interns

Chess

Blitz tournament:-

Winner- Kaushal Naik (2020)
Runner up- Rishav(2019)

Inter-batch Team:-

Winner- 2020 MBBS
(Kaushal Naik, Rohan Jaggi, Medhavi Gupta, Akanksha Gautam)

Runner up- 2016 MBBS
(Sidharth S K, Nandu Prakash, Gaurav Nanglu, Anshul Khichi)

Table Tennis

Men's singles:-
Winner- Hemant Pandita
Runner up- Kharanshu Choudhary

Men's doubles:-
Winner- Paras Kandpal & Naynesh Meena
Runners up- Yogesh Mudgal & Kritarth Rawat

Women Singles:-
Winner- Harshita
Runner up- Shreya Singh

Women Doubles:-
Winners- Shreya Singh & Kavita Swami
Runners up- Neha Jain & Swati Joshi

Mixed Doubles:-
Winner- Naynesh Meena & Harshita
Runners up- Utsav Anand & Kirti Narang

Billiards

Doubles:-
Winner- Medhavi&Rishab (2020 MBBS)
Runner up- Sumit& Osho (2019 MBBS)

Singles:-
Winner- Sumit Choudhary
Runner up- Ankush Munpriya









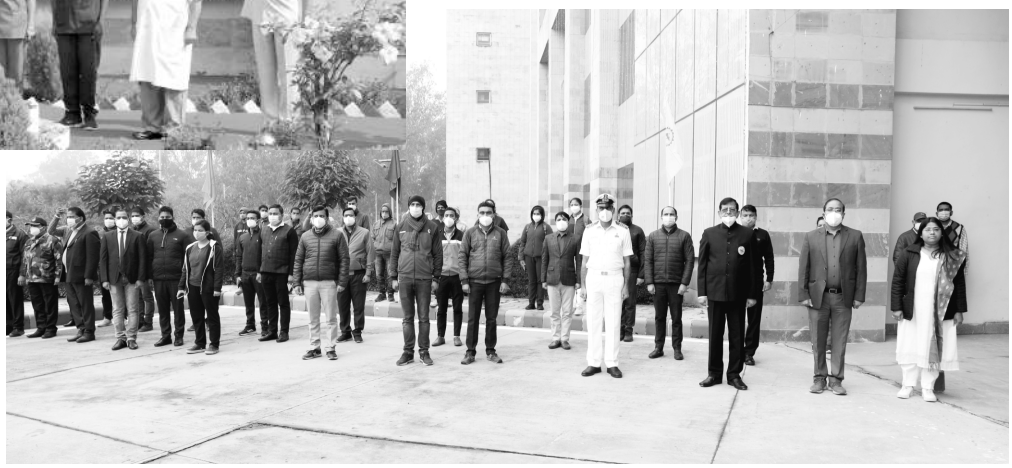






C. Independence day celebration – 15th August





75th Independence day was celebrated with great enthusiasm in AIIMS, Rishikesh with social distancing norms, wearing of masks, proper sanitization, avoiding large congregations. Hon'ble Director, Prof Ravi Kant, hoisted the National flag ceremony. This was followed by the National Anthem and National song, sung by the Faculty members, Officers, SR's, JR's, employees and students of Institute. Hon'ble Director, Prof. Ravi Kant gave a speech which greatly motivated everyone present. Cultural events on theme of "Atmnirbhar Bharat" were also performed by Students/Faculties of Institute. Finally, the program was concluded by distribution of refreshments.

D. Gandhi Jayanti – 2 October



Gandhi Jayanti was celebrated on 02 October 2021 at AIIMS Rishikesh as 152 years of celebrating the Mahatma Gandhi Birth marked the culmination of the 'Swachhta Hi Sewa' event. An oath was taken by all faculties, officers and staff for effective contribution by oneself to keep his/her premises clean and green. Deshkeliyajisnevilas ko thukrayatha, videshidhageusnekhed in khaadhibanayatha, pehenkekath ki chappal jisnesatyagraheke raag sunayatha, who Mahatma Gandhi kehlayatha." Remembering the great leader on his birth anniversary. Hon'ble Dean, AIIMS Rishikesh announced total ban on use of non-recyclable plastic in AIIMS Premises







E. Fresher's party - MBBS : Date 21/07/21



FRESHER PARTY

Ignite



Students of the MBBS 2019 batch organized a Freshers' Party "Ignite-2k20" on the 21st of July to welcome the Batch of 2020. The purpose of the Freshers Party was to make every new student feel connected as an integral part of the AIIMS family and be ready to take on the challenges of the years ahead. Jovial smiles and high spirits marked the welcome party for the new students. It manifested youth and enthusiasm at its best.

As a trend of the institute, the party began with the auspicious lamp lighting ceremony and prayers to Goddess Saraswati. The occasion was graced by the presence of Director of the Institute, Dean (Academics), Dean-Student Welfare, HoDs, and other faculty members. The Director inaugurated the event by welcoming the students through his motivational speech, followed by opening addresses from the Dean Academics and Dean Student Welfare.

Pulsating ambiance, flashing lights, and foot-tapping music set the mood of the party right. The excitement augmented to a joyful high as performances graced the stage. The mercury began to rise, and the dance floor was left open for some unbridled energy. Joy and happiness could be seen among students of each and every course at the college. Excited about campus life and conscious of the latest fashion trends, the freshers dressed their best.

Kaushal Naik and Anjali Pungotra were declared the Mr. Fresher and Miss Fresher of the Fresher Party.

Freshers had a chance to capture some special memories of their first official interaction with the seniors in the form of a long photo session. The event is a celebration of the bond seniors share with their beloved juniors. The event concluded with a batch video, portraying the happy and fun memories first year students had created in the short span of stay there.

"The magic in the air tuned into the chords of pulsating rhythmic hearts and created bonds for the years that lay ahead." The event was coordinated by Snehil Chhabra ofMBBS 2020 batch.



F. Fresher Party Nursing: ENIGMA - 4th September, 2021

The purpose of Fresher's Party is to welcome new students in a place that is complete new to them and encourage them to have wonderful academic years. Students of First Year (batch:2020-21)-B.Sc.(Hons) Nursing, had their fresher's on 4th September 2021first they were welcomed with a ribbon on hand and tilak to the party which was organized by 2k19 batch in the Multi-purpose hall at 10:00AM.



Participants

The day was going to be dual celebration as teachers day celebration too was combined , after first year student teachers were welcomed with a red rose to this party.

The program started with lamp lightening and inaugural speech by our officiating principal ,CON Mrs. Xavier Belsiyal . The program was hosted by Ms. Ruba and Ms. Vijyata student from second year B.Sc. nursing. The cake was cut by the Principal, the HOD of all departments, and the tutors. The welcome dance (Bharatnatyam) was performed by, Ms. Bharti Kriti student of 2k20 batch

The participants got chance to showcase their talent by a stunning Ramp walk, various Dance performances like solo, traditional ,Duo, Group dances. Later small games were organized to make the function more tricky and fun! Talking about the ramp walk, it was conducted in two rounds.



Cake Cutting Ceremony



Ms. Freshers
Ms. Eshani Dixit



Ms. Flair
Ms. Pooja



Ms. Enigma
Ms. Nisha

In Round 1- the participants walked on the ramp and gave poses towards the audiences. The audiences enjoyed the fashion show and they encouraged the participants by making hooding sounds.

Round 2- the shortlisted participants walked again on the ramp and they were asked to stand in the line followed by the questioning session based on which Ms. Freshers , Ms. Enigma .Ms. Flair were finalized. There was a tough competition among the participants as all of them were amazing!

The program ended with vote of thanks by Ms. Ruba and Ms. Vijyata then encouraging words by our officiating principal Mrs. Xavier Belsiyal, Photo Session and yummy lunch..

Event Host : Batch 2k19.
The Winners with Faculty



Faculty, CON , AIIMS Rishikesh

Teachers day -5th September 2021





Teachers day was celebrated in the institute on 5th September 2021 in the gracious presence of Director AIIMS Rishikesh, Prof Ravi Kant, Dean (Academics) Prof Manoj Gupta, faculty members and students. On this occasion, Prof Ravi Kant encouraged and guided the attendees with his words of wisdom. Prof Manoj Gupta addressed the gathering and apprise them of the innovative methods adopted by the institute to create an enabling environment for teaching as well as learning. On this occasion, students and teachers showed their extra-curricular talent through various musical and cultural performances.

This was an occasion to recognise the hard work imparted in various disciplines by the faculty members and students. Faculty members who had significant contribution to the students learning and training were recognised through student's feedback and were awarded with a plaque and certificate. Faculty members and students for their excellence in the research were also acknowledged and awarded with a certificate. Many faculty members have put their untiring efforts in the management of patients suffering from COVID-19 during pandemic. Their contribution was also acknowledged on this occasion.



G. Republic Day Celebrations – 26th January

AIIMS, Rishikesh celebrated Republic Day, 2022 adhering to Covid protocols with enthusiasm and an active participation of Faculty, SR's, JR's, officers, employees and Students. The program began with unfurling the flag ceremony by Hon'ble Dean, AIIMS Rishikesh, Prof. Manoj Kumar Gupta with the presence of Lt. Col. A.R Mukherjee, Deputy Director (Administration), AIIMS Rishikesh. The speech of Dean, AIIMS Rishikesh and Deputy Director (Administration), AIIMS Rishikesh was moving and aroused in everyone love for the nation. In his speech, Dean, AIIMS Rishikesh talked about the contributions and sacrifices that many National Leaders made for the establishment of the constitution of free India and saluted and legendary freedom fighters such as Bhagat Singh and many honest leaders who contributed in framing the modern India.







H. Other activities

Various competitions were organized under the **Vigilance Week event** held at AIIMS Rishikesh. In which the institute officials and all the employees took an oath to play their role in eradicating corruption. At the conclusion, the meritorious participants were felicitated by Dean Academic, Prof. Manoj Gupta, A I I M S Rishikesh.

Vigilance Week is celebrated every year from 27 October to the next 7 days in the Indian government establishments to commemorate the birth anniversary of Sardar Ballabh bhai Patel. The objective of the program is to create public awareness to eradicate corruption. Essays and poster competitions were organized in the program organized at AIIMS Rishikesh on the eradication of corruption.

Dean Academic, Prof. Manoj Gupta, said that to eradicate corruption, all people should work with transparency with honesty. During the program, Dean Academic also honoured the participants in speech and poster competitions. Under the Vigilance Week program, Law Officer Pradeep Chandra Pandey presented a presentation on the Prevention of Corruption Act 1988 and RTI.







19. CENTRAL FACILITATING UNIT









19.1 AYUSH

Vision of AYUSH: To position AYUSH system as the preferred systems of living and practice for attaining a healthy India; to develop scientific evidences by way of integrating ancient wisdom with modern technology to bring AYUSH to the people through innovations related diagnostics, preventive, promotive as well as treatment methods and also introduce scientific research for sustain availability of quality, natural resources, to translate them into product and processes and to introduce these innovations into public health system.

Mission:

- To promote better health care through evidence based AYUSH principles and practices.
- To develop AYUSH centre into a dynamic, vibrant and model research centre for undertaking, coordinating, aiding and promoting research in AYUSH.
- To bring up modern scientific knowledge, technology to explore AYUSH scientific treasure following prevalent scientific methods.

Department of AYUSH, AIIMS Rishikesh has started its OPD services on 1st February 2017 and also extended its services in form of Panchkarma and Naturopathy procedures from March 2018. Department has been continuously working on basic Research and Randomizes Controlled Trials (RCT) in collaboration with various allopathic department of the institute.

A Collaborative Centre for Mind-Body Intervention through Yoga in collaboration with the Central Council of research in yoga and naturopathy (CCRYN) has been established at AIIMS, Rishikesh since March 2021. This center aimed at undertaking collaborative research projects for generating quality data for scientific validation of efficacy of Yoga and other Mind Body practices. This is in line with Ministry of AYUSH's efforts to promote Yoga.

Department has following faculty/members –

Sl.No.	Name of Faculty/Members	Designation
1	Dr Vartika Saxena	Head of Department
2	Dr. Amity Das	Research officer
3	Dr. Vama Jain	Research officer

I) Departmental activities:

1. Academic

Training of 16 Postgraduate students on World Obesity Day (4th March 2022).

This was the third unified World Obesity Day, when World Obesity members and allies come together to call for change with the theme "Everybody Needs to Act".

Obesity is one of the biggest public health challenges facing the world today, affecting 800 million people with millions more at risk. It is a life-altering disease that increases the likelihood of comorbidities and doubles the risk of Covid-19 hospitalisation, yet people living with obesity lack support and face stigma at work, home and in the health system. To make change a reality, AYUSH took action in training the post graduate students through Yoga practices organized by Dr.Ranjeeta Kumari at Community and Family Medicine department. Yoga sessions were given by Yoga therapists; Mr. Deepchand Joshi, Mr. Sandeep Singh, Mr. Amit Bharadwaj and Ms. Beena.



Yoga sessions for post graduate students at Community and Family Medicine department by Mr. Deepchand Joshi.



2. OPD Services:



a) Postings of yoga therapists in general medicine OPDs for conduction of AYUSH treatments complementing to conventional medicine for patients on Tuesdays and Thursdays for yognidra session to hypertensive patients and patients suffering from disturbed sleep and related.

b) Postings of research officers in general medicine OPDs for conduction of AYUSH treatments like naturopathic diet therapy complementing to conventional medicine for hypertensive and other co-morbidities patients on Tuesdays and Thursdays.

c) Postings of yoga therapist in PHC Raiwala OPDs for conduction of AYUSH treatments complementing to conventional medicine for patients on Monday to Saturday for clinical yoga therapy sessions to hypertensive, arthritis, diabetes etc. patients.

d) Morning and evening yoga sessions for AIIMS Rishikesh students and staff by Yoga therapists.

1.	Total number of patients (OPD, PHC)	193
2.	Total number of morning yoga session in AYUSH	365
3.	Total number of evening yoga session in AYUSH	344
4.	Total number of yoga session for students	450

3. Health awareness /Educational activities organized by the Department

a) Training regarding AYUSH for MBBS and Paramedical courses from AIIMS, Rishikesh on 7th March 2022 for 113 participants.

b) Training of students about the medicinal plants growing in our AYUSH herbal garden. An introductory session was taken by Dr. Vartika Saxena about AYUSH followed by lecture on therapeutic use and benefits of medicinal plants and herbs by staff of AYUSH department. Aim of this activity was to sensitize and train the students about AYUSH and local medicinal plants and herbs. These plants and herbs are beneficial in various diseases like Hypertension, Diabetes, Skin disorders, Gynaecological disorders etc. the AYUSH herbal garden has 40 herbal plants such as Aloe Vera, Basil, Eucalyptus, Arjuna, Moringa, Thuja Occidentalis etc.





c) Herbal Garden : Signage of herbal garden has been fixed . 30 to 35 medicinal plants were planted in herbal garden with name plate.





d) Awareness on obesity to 16 Postgraduate students on World Obesity Day. (4th March 2022)

e) Conducted awareness among staffs on Naturopathy Day (18th November 2021):

Naturopathy day was organised by Research Officers of AYUSH department. The staff were made aware about the principles and practices of Naturopathy system of medicine to promote positive mental and physical health and to prevent diseases by altering the diet and lifestyle through a drugless system of medicine, called as Naturopathy. "This is a drug-less system and is very cost effective. It can be easily integrated with any other system of healthcare as a lifestyle intervention. These practices are being promoted in the wellness centres, along with the allopathic medicine so that we get the best of all systems of medicine," said Research officers. "When it comes to yoga, meditation or a natural diet, even we promote them in patients with lifestyle diseases like slightly elevated blood pressure, manageable sugar, anxiety etc. But people should do these along with proper medical care. And, when it comes to the natural medicines, we need to do more studies to show their efficacy," said experts of modern medicine.

4. New initiative of department

a) A Collaborative Centre for Mind-Body Intervention through Yoga in collaboration with the Central Council of research in yoga and naturopathy(CCRYN) has been established at AIIMS, Rishikesh since March 2021. This centre aimed at undertaking collaborative research projects for generating quality data for scientific validation of efficacy of Yoga and other Mind Body practices.



Basic infrastructure was provided and a centre was setup after appointment of two Research Officers, two Yoga therapists and One Multi Task attendant.

b) Display of yoga and AYUSH related videos and visuals on TV screen of AUSH dept.

c) Circular to every department of AIIMS Rishikesh for initiating ideas for research in MBM and participating of all interested members.

d) Postings in general medicine OPDs and PHC Raiwala OPDs for conduction of AYUSH treatments complementing to conventional medicine for patients like yognidra session, naturopathic diet therapy, clinical yoga therapy sessions etc.

5. Other activities/achievement by Department

a) Kaya Kalp Visit: - On 12th November 2021 Kaya Kalp team visited AYUSH herbal garden. They got information about different medical plant & their uses. They also inspected the services given in AYUSH.



b) One fellowship grant is provided to MD student from Internal Medicine Department under the guidance of Dr. Meenakshi Dhar, Additional Professor, HOD, Internal Medicine. The title of the proposal is "Effect of Yoga therapy on elderly patients with fear of fall: An open label Randomized controlled trial".

c) Two proposals though funding of MBM are in undertaking with CCRYN with Dr. Ranjeeta Kumari as Principal Investigator:

d) Efficacy of Yoga Nidra versus educational care in sleep quality among students in a tertiary care health center at Rishikesh, Uttarakhand: A Randomized Controlled Trial

e) Effectiveness of Yoga therapy in addition to pharmacological intervention of usual care in Frozen Shoulder in a Tertiary Care Hospital in Rishikesh, Uttarakhand: A randomized controlled trial Meetings were conducted in the presence of Dr. Raghavendra Rao, Director, CCRYN and Dr. Vadiraja HS, research Officer, CCRYN and several faculties from AIIMS Rishikesh, Dr. Manoj Gupta, Dr. Nilotpal Chowdhury, Dr. Farhanul Huda, Dr. Anisa Atif Mirza, Dr. Yogesh Sing, Dr. Pankaj Khandelwal.

6. Future Plan

a) CME – "Mind Body Medicine: Path ahead in managing Lifestyle disorders(Add Meditation to your Medication)" is planned tentatively on 15th July 2022 organized by Dr. Monika Pathania along with CCRYN-CCMBIY staff with an objective to discuss about the effectiveness of Mind Body Medicine in managing Lifestyle disorders.

b) Inducting faculties from other departments of AIIMS Rishikesh for their novel ideas inculcating MBM intervention through Yoga which can be further developed into hypothesis and research proposal benefiting in generating evidence-based therapies.

c) 8th Internal Yoga day Celebration on 21st June 2022 with theme of "Yoga for well being". International Day of Yoga theme focuses upon telling people to stay motivated at home and adopt a healthy lifestyle by doing exercise and yoga. Exercise helps to stay optimistic and healthy.

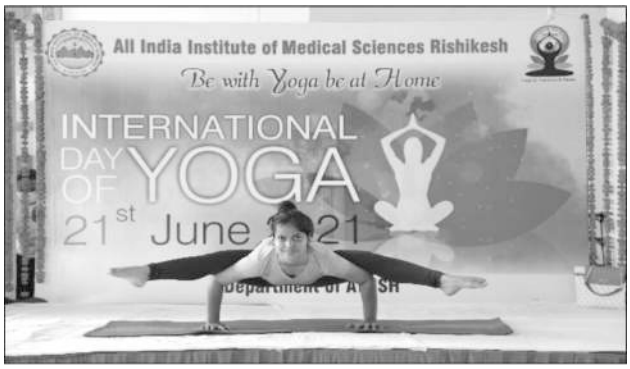
d) Pre-hypertension programme in Doiwala involving Hub and Spokes model to prevent the transition of pre-hypertensive stage to hypertension through Yoga practices. This programme will further develop the awareness of healthy lifestyle through Yoga by engaging local yoga therapists from the community.

7. Day celebrations :

a) International Yoga Day 2021 : 7th International Yoga Day 2021 was celebrated as per protocol of Ministry of AYUSH by AIIMS Rishikesh on 21st June 2021. Due to COVID -19 outbreak this year, AYUSH Ministry theme of Yoga was "Gharghar me Yog" (Yoga from home) So, social distancing was maintained during the whole event of Yoga day. On this occasion Hon'ble Director Prof Ravi Kant (Chief Guest) Prof Manoj Gupta (Dean Academics) and Prof. Vartika Saxena (HoD AYUSH) officially inaugurated the event by lamp lighting.



Dr. Vartika Saxena
HOD, Department of AYUSH



Musical Yoga performance
by Ms Shweta, PhD Yoga



Prof. Vartika Saxena, Prof. UB Mishra, Mr. Naresh Banshal, Prof. Ravi Kant, Prof. Manoj Gupta
Rahul, Ranju, Seema, Kiran, Sandeep and Deep Chandra





Common Yoga protocol by Ministry of AYUSH performed at AIIMS Rishikesh



शरीर निरोगी रख आंतरिक शक्ति को मजबूत करता है योग

जागरण संवाददाता, ऋषिकेश: अंतरराष्ट्रीय योग दिवस पर एम्स ऋषिकेश में आयोजित कार्यक्रम के दौरान राज्य सभा सदस्य नरेश बंसल ने कहा कि मेडिटेशन और योग से ही मन की एकाग्रता बढ़ती है। उन्होंने कहा कि योग व्यक्ति की आंतरिक शक्ति मजबूत करता है। उन्होंने कहा कि नियमित योग करने से ही शरीर को [illegible] रख सकते हैं।

इस मौके पर एम्स निदेशक प्रोफेसर रविकांत ने कहा कि शरीर में होने वाले अधिकांश रोगों पर योग से निजय प्राप्त की जा सकती है। उन्होंने योग और ध्यान को भारतीय संस्कृति की पहचान बताया और कहा कि योग करने से हमारे मानसिक विकार दूर होते हैं। प्रो. रविकांत ने मनुष्य के जीवन में योग से होने वाले प्रभाव और इसके महत्व के बारे में विस्तार से बताया। उन्होंने कहा कि योग को दैनिक दिनचर्या में प्रमुखता से शामिल करें। नियमित योग करने से हमारे शरीर की इम्युनिटी बढ़ती है और इससे हमें रोगों से लड़ने की ताकत मिलती है।आयोजित कार्यक्रम में डीन एकेडेमिक प्रो. मनोज गुप्ता, डीन हास्पिटल अफेयर्स प्रो. युवी मिश्रा, आयुष विभाग की एचओडी प्रोफेसर वर्तिका सक्सेना और संस्थान के पीआरओ हरीश थपलियाल सहित कई मौजूद रहे।

एम्स ऋषिकेश में योग करते एम्स के विद्यार्थी व अन्य कर्मचारी। जागरण

योग से दूर होंगी बीमारियां

Newspaper cutting of International yoga day of 2021

8. Ayurveda Day Celebration (02nd November 2021) :

a) Department of AYUSH Celebrated “National Ayurveda Day” to mark Dhanvantri Jyanti, Lord of Ayurveda. It is celebrated on Dhanteras, two days before Diwali.

b) Tree plantation: different Medical plants, Alovera, Neem, Brahmi etc. and show were planted in surrounding in AYUSH Building all staff participate in plantation program.





19.2 TELE-MEDICINE

Telemedicine has been functional in AIIMS Rishikesh since 2018 under two specialities- tele-education and tele-consultation.

Tele-education

Tele-education is an e-learning system which comprises all forms of electronically supported learning and teaching systems. Tele-education services are being functional in AIIMS Rishikesh since October 2018 with its station at Department of Community and Family Medicine, AIIMS Rishikesh. The remote centres located at SGPGIMS Lucknow, AIIMS Delhi and PGIMER Chand garh. Department involved in tele-education are Microbiology, Cardiology, Radiotherapy, Medical Genetics, Medical Oncology, Surgical Oncology, Surgical Gastro-enterology, Nursing Skill Development, Trauma Surgery & Emergency Medicine, Palliative care, and Orthopaedics etc.

Tele-consultation

Tele-consultations are synchronous or asynchronous consultation using information and communication technology to omit geographical and functional distance. These services are functioning in AIIMS Rishikesh as Hub and Spoke Model.

Virtual OPD (e- Dhanvantari)

In view of COIVD-19 pandemic, nationwide lockdown was declared by Honourable Prime Minister Shri Narendra Modi, from 22nd March 2020. In view of this, tele-consultation services (Virtual OPD) were started for all citizens in need which include Allopathic as well as AYUSH consultations. These services aim to provide healthcare services to patients at their home.

Objectives of Virtual OPD (e- Dhanvantari)

1. To minimise physical contact amid of COVID 19 pandemic situation, unless emergency
2. To save the trouble of physical travel for regular OPD visits, especially to senior citizens in view of non-availability of transportation services.
3. To provide continuum of care for all its beneficiaries

'Teleconsultation Support by Overseas Consultants During COVID-19 Pandemic: A pilotproject'

Second wave of COVID-19 pandemic in India taught us an important lesson regarding shortage of ICU beds and ICU trained specialist doctors and nurses. AIIMS Rishikesh rapidly scaled our ICU capacity to more than 200 ICU beds to meet the exponential demand. Healthcare professionals were at highest risk of contracting COVID-19 and in-spite of adequate protection and precautions many were affected. To provide round the clock ICU services, we had to turn to Tele-health to meet the shortage of healthcare professionals.

King's College London (KCL) came forward to collaborate with us to set up and run Tele-ICU services. KCL was already running a similar project called Life Lines UK in over 180 NHS hospitals across the UK as an ultra-rapid response to the COVID-19 pandemic, bringing together a unique partnership of clinicians, academics, companies and charities. KCL and their partners supported setup of Indian servers, supported digital licenses, and provided 50 4G enabled tablet computers to AIIMS-Rishikesh along with secure software through which doctors at AIIMS could run virtual e-ICUs and also communicate with external experts. The services were inaugurated in August 2021 and ran till the end of the third wave of the COVID pandemic in India.

The tablets were used by 8 ICUs and 10 specialist departments. Using the secure communication software, doctors and nurses in the ICU could communicate with their consultants round the clock through audio and video calls. ICU consultants had remote access to patient's data on a real time basis and could intervene by giving instructions to bedside nurses. Specialists like cardiologists, neurologists, nephrologists, etc. could access patients' reports virtually and provide their inputs.

Such virtual e-ICUs run by Tele-health could be an answer to the shortage of ICU beds and trained healthcare professionals especially in remote and rural areas.

e-Sanjeevani

1. AIIMS Rishikesh is also collaborating with e-Sanjeevani OPD and providing tele-consultation. Speciality from AIIMS Rishikesh presently providing services under e-Sanjeevani are Psychiatry, Dermatology, Ophthalmology, Surgical Oncology and Radiotherapy.
2. AIIMS Rishikesh is supporting Government of Uttarakhand for e-Sanjeevani OPD

Unnat Bharat Abhiyan

1. "UDAAN"A Outreach Tele Health Consultation Model was launched on 16.10.2021 in joint collaboration of Social Outreach Cell AIIMS Rishikesh and IIT Roorkee under flagship program of Unnat Bharat Abhiyan.

Department has following faculty/members –

Sl. No.	Name of Faculty/Member	Designation
1	Dr. Vartika Saxena, Professor & HOD, Community & Family Medicine	Adviser
2	Dr. Manisha Bisht, Additional Professor, Pharmacology.	Committee Member
3	Dr. Rajkumar K Seenivasagam Associate Professor, Surgical Oncology.	Committee Member
4	Dr. Shailesh Parate, Associate Professor, Forensic Medicine & Toxicology	Committee Member
5	Dr. Ashok Singh, Associate Professor, Pathology	Member Secretary
6	Dr. Yogesh Bahurupi, Associate Professor, Community & Family Medicine	Nodal Officer

Mission:

Telemedicine is identified as a key strategy to deliver expert speciality and super-speciality consultation and care. Telemedicine Department has been established with a vision to expand horizon of health services to reach difficult and remote areas of Uttarakhand and neighbouring states. Services offered by telemedicine unit are mainly teleconsultation and tele-education.

Vision:

To reach and cater to healthcare needs of every individual in State of Uttarakhand and adjoining area. To serve as centre of excellence for health institutions like Primary Health Care and Medical Colleges in Uttarakhand.

I) Departmental activities:

1. New initiative of department

a) Virtual OPD restarted at the start of second wave of COVID 19 pandemic.

b) Decentralisation of telemedicine OPD to individual departments.

2. Other activities / achievement by Department

a) Virtual OPD Consultations (1st April 2021 to 31st March 2022) = 6870

b) Unnat Bharat Abhiyan (16th October 2021 to 31st March 2022) =240

3. Future Plan

a) Establishment of Tele-Medicine Centre at NTPC TVHPP Joshimath

b) E-Sanjeevani OPD in collaboration with National Health Mission, Government of Uttarakhand

19.3 RECRUITMENT CELL

AIIMS Rishikesh is one of SIX Apex healthcare institutes being established by Ministry of Health & Family Welfare, Government of India under Pradhan Mantri Swasthya Suraksha Yojna (PMSSY). With aim of correcting regional imbalances in quality tertiary level healthcare in country and attaining self-sufficiency in graduate and postgraduate medical education and training, PMSSY planned to set up 6 new AIIMS institutions in underserved areas of country.

These institutions are being established by an Act of Parliament on lines of original All India Institute of Medical Sciences, New Delhi which imparts both undergraduate and postgraduate medical education in all its branches and related fields.

Recruitment Cell

Recruitment Cell was formed in December 2013. Hiring process exists to evaluate efficient and best-qualified candidates for organization. Main responsibilities of the cell is to arrange interview and invite Application of eligible candidate to interview/ Exam. It is conducted throughout year in a fair manner when required by administration. Recruitment cell also ensures storing confidential records of each selection.

In financial year 2021-2022, Recruitment cell conducted recruitment Computer based exam (CBT) & Interview for different posts in different cities of country, detailed information is attached.

Recruitment has following members -

1. Lt. Col. A. R. Mukherjee — DDA (Admin)
2. Mr. Rajeev Chaudhry — Registrar

S.No	Details of Post Adverties	Mode of Recruit-ment	Advt No.	No. Of Adverties Post In Different Departments	Opening Date	Closing Date	Written Exam/ Cell Interview Conducted By Recruitment	Final Status
1	Professor Cum Principal (nursing) Post On Direct Recruitment Basis	Direct	2021/019	1 Post	27-03-2021	17-05-2021	Online Interview Done On 15 June 2021	Done
2	Tutor /clinical Instructor (nursing) On Tenure Basis	Tenure	AIIMS/reg/ 06.08.2021/385	08 Posts	16-08-2021	15-09-2021	Screening Exam & Interview Done On 21 & 22 December 2021	Done
3	Senior Resident On Tenure Basis In Various Departments	Tenure	AIIMS/reg/sr/158	25 Posts In 14 Departments	27-02-2021	26-03-2021	Online Interview Done On 28 April 2021	Done
4	Senior Resident (non-Academic) On Tenure Basis In Various Departments	Tenure	AIIMS/Reg/ 06-08-2021/382	42 Posts In 15 Departments	09-08-2021	08-09-2021	Documents Verification & Intreview Done On 23 & 24 November 2021	Done
5	Group A On Deputation Basis	Deputation	2021/21-35	40 Posts In 15 Departments	07-07-2021	21-09-2021	Advt. Publish	Done
6	Senior Resident (non-Academic) On Ad-hoc Basis For 89 Days In Various Departments	Ad-hoc	2021/037	29 Posts In 14 Departments	23-12-2021	07-01-2022	Documents Verification & Interview Done On 13 January 2022	Done

7	Junior Resident (non-Academic) On Ad-hoc Basis For 89 Days In Various Departments	Ad-hoc	2021/036	13 Posts In 07 Departments	23-12-2021	07-01-2022	D. V. & Interview Done On 13 January 2022	Done
8	Senior Resident (non-Academic) On Tenure Basis In Various Departments	Tenure	2022/001	76 Posts In 23 Departments	22-01-2022	22-02-2022	Interview Done On 22 March 2022	Done
7	Junior Resident (non-Academic) On Ad-hoc Basis For 89 Days In Various Departments	Ad-hoc	2021/036	13 Posts In 07 Departments	23-12-2021	07-01-2022	D. V. & Interview Done On 13 January 2022	Done
8	Senior Resident (non-Academic) On Tenure Basis In Various Departments	Tenure	2022/001	76 Posts In 23 Departments	22-01-2022	22-02-2022	Interview Done On 22 March 2022	Done
9	Faculty On Direct/deputation/ contractual Recruitment Basis	Direct/ deputation/ contractual	2022/002 To 2022/074	95 Posts In 35 Departments	15-02-2022	15-05-2022	Under Process	Under Process
10	Group A, B & C On Deputation Basis	Deputation	2022/075 To 2022/094	24 Posts In 20 Departments	15-02-2022	31-03-2022	Advt. Publish	Done
11	Norcet 2020 On Direct Recruitment (by AIIMS New Delhi)	Direct	Notice No. 106/2020	300 Posts	05-08-2020	18-08-2020	Documents Verification Done On 23 June 2021 (option 1), Documents Verification Done On 14 December 2021 (option 2)	Done
12	Norcet 2021 On Direct Recruitment (by AIIMS New Delhi)	Direct	Notice No. 149/2021	200 Posts	16-10-2021	30-10-2021	Documents Verification Done On 10 & 11 March 2022	Done
13	Medical Physicist (group-a) On Contractual Basis	Contractual	2022/095	4 Posts	16-03-2022	05-04-2022	Advt. Publish	Done

19.4 INFORMATION TECHNOLOGY







The Information Technology Cell at AIIMS Rishikesh is a group of professionals who have provided much needed computer hardware, networking, software development, tender process, training since inception, and stand as the backbone of AIIMS Rishikesh for all your IT requirements. Huh . Some of the areas in which the services are served by IT Cell, AIIMS Rishikesh are -

Department has following Members :

Dr Puneet Dhamija	Member Secretary (IT)
Anurag K Shukla	Nodal Officer (IT)
Akanksha Mishra	Programmer

Hospital related activities		
In house application for COVID reporting with QR code.	Provided to Microbiology for use.	Implemented
In house Web based reporting form for adverse drug reactions	For reporting of side-effects of drugs, in use	Implemented
Web application for the label printing on samples sent to MPCC Roorkee	label printing on samples sent to MPCC Roorkee	Implemented

Antimicrobial Stewardship Program: Zevac	Generating local information about antimicrobial sensitivity and appropriate drug selection	Expansion being done
Customised Queue Management Systems	Customised applications developed for Department of Radiology, Trauma and Sample Collection Area at AIIMS, Rishikesh for real-time information of progress in queue	Implemented
E-hospital: registration, billing, discharge, laboratory, store, pharmacy etc.	Digital registration of all appointments is done. Billing and discharge cards are generated digitally	Implemented
Conduction of VC based meetings and Panel discussion (Through applications like Skpe, Google Meet, lifesize, Zoom, Goto meeting, Vidyo app, Microsoft Teams etc)	Continuous support is being provided	Regular activity
Administrative activities		
In-house Online Recruitment Management Portal	Developed in-house, being used for receiving the application online for Group A, B and C Posts (Faculty and Non-faculty, deputation, contractual, regular) separate instances being prepared, so far 35 applications developed for various advertisements for more than 450 posts.	Implemented
Online recruitment services desk	Resolving technical form filling and payment gateway related issues.	Regular Activity
Microsoft Teams for online class.	Installation and training being conducted for faculty and staff to shift teaching activity from Google meet to Microsoft teams.	Implemented, In use
Leased line connectivity through BSNL BSNL Connectivity for Director's Board room	File in movement Implementation being done	In Progress In Progress
e-File application (File Tracking System)	User extension being done from 700 to 3000 users	Implemented
e-Leave application	Implemented for group A and B Officers	
Personnel Information Management System (PIMS)	Training conducted, implementation done.	Implemented
Collaboration and Messaging Services(CAMS)	Training conducted, implementation done	Implemented
Digital Signature for faculty and staff	Implemented for faculty and higher authorities	Regular activity
Local Purchase	Local purchase being managed by IT cell for all IT items	Regular activity
Allotment Management application	Implemented, allotment being done on the basis of output of this application	Implemented
Procurement of Desktop, Laptop, Printer, Scanner and other audio visual equipment	Specifications and terms and conditions being provided by IT cell	Regular activity
Biometric attendance implementation after COVID	Implemented, Faculty and staff are marking attendance.	Implemented

Academics activities		
Application for feed-back of faculty	Application being used for assessment of teaching.	Implemented
Tele-education	Connecting Institutes of National Importance & peripheral centres for delivery of health-care	Implemented
Library Resource Management Application	Unified portal for all resources available in institutional library. Can be accessed through institutional network	Implemented
Online Practical examinations	Regular support being provided by IT cell.	Regular activity
Virtual teaching session for students	Classes being conducted through Google Meet	Implemented
IT related activities		
eOffice Server Management (Patch update, application upgrade, VPN and other updates)	Continuously being managed by IT cell in coordination to NDC and NIC team	Regular activity
Network, Hardware Desktop, Printer troubleshooting and support	Continuously being done by IT cell for more than 1200 Desktops, Printers, scanner and other IT equipments.	Regular activity
Network Monitoring	Regular monitoring being done	Regular activity
Video based demonstration of various software application	Regular video are being uploaded at YouTube channel of IT cell.	Regular activity
Creation of email account for student, faculty & staff @aiimsrishikesh.edu.in domain	Bulk email creation at GSuite	Regular activity
War room for COVID monitoring and management	War room prepared for real time display of Bed statistics, Manpower and ventilator etc.	Implemented
Maintenance of IT Equipment/devices	Maintenance of CCTV, Desktop, Laptop and other IT equipment/ devices	Regular activity

Benefits:

To Organization:

a) Consultant/Faculty: Have easy access of patient details, history etc.

b) Students: are benefited by using e-portal of Campus management in terms of access from anywhere, Time saving, Student-Teacher Collaboration, Saves natural resources, Transparency with parents Increases etc.

c) Administration: is benefited by using e-governance portal which help in Faster product delivery, more accuracy, Human Resource Management etc.

To Citizen:

a) Patients: Patients are benefitted by user friendly e-portal, which help them to do online registration, get diagnostic reports, make appointments. International travellers get easy access due to separate helpdesk for easy access, Senior citizens and women have separate helpdesk for easy access. Patients below poverty line and patients availing Ayushman Bharat Yojna are also benefited due to separate helpdesk.

b) Job Seeker: Jobseekers are are benefitted by user friendly e-portal for online recruitment by Submitting applications for different posts online.

c) Vendor: Vendors can participate in the tendering process by registering them from anywhere using CPPP portal



CENTRAL LIBRARY DIVISION



19.5 CENTRAL LIBRARY DIVISION

The Central Library is a learning resource center being an integral part of the academic and research work and continues to expand its collection in print and digital form. It also designs and delivers innovative services to support teaching, learning, research, and other scholarly activities. The library has initiated several important activities and services during the reporting year.

The Central Library is equipped with all modern facilities. It has a rich collection of information resources in online medical databases, e-journals, e-books, research support tools, and printed material related to medical sciences and a varied range of services like reference and consultation, membership, and dissemination of user-centric needs.



Hon'ble Director AIIMS Rishikesh
(Prof.) Dr. Arvind Rajvanshi Visited Central Library

Library Section has following Core Committee Members –

Sl.No.	Name of Members	Designation
1	Prof. (Dr.) Puneet Dhar	Chairperson, Library Core Committee
2	Dr. Rashmi Malhotra (Addl.Prof)	Member, Library Core Committee
3	Dr.Ashi Chug (Addl.Prof)	Member, Library Core Committee
4	Dr.DeepjyotiKalita (Addl.Prof)	Member, Library Core Committee
5	Sh. Rajiv Gupta (Account Officer)	Member, Library Core Committee
6	Sh. Sandeep Kumar Singh (Sr. Librarian)	Convenor, Library Core Committee

Mission

During the pandemic COVID-19 situation (2021-2022), Central Library continued its mission by disseminating information and imparting knowledge. The Central Library team has provided its continuing effort to boost institute performance in academic aspects under the supervision of Library Core Committee Members & under the leadership of Director & CEO of AIIMS Rishikesh (Prof). Dr. Arvind Rajvanshi.

Central Library mission is to provide patrons of AIIMS Rishikesh (Faculties, Research Scholars, Tutors/ Demonstrator, SR/JR, Students & Staffs) with the information they need to achieve their highest academic potential and help them acquire research skills necessary for lifelong learning. To support teaching faculty & administrative staff and to participate in interactive information to exchange within the wider library / educational community.



I) Departmental activities:
Overview of available collection in the Central Library AIIMS Rishikesh

Sr. No.	Name of Subscribed Medical Databases
1	BMJ Best Practice
2	BMJ Case Reports
3	BMJ Learning
4	BMJ Research to Publication
5	Elsevier Clinical Key
6	Elsevier Clinical Key Nursing
7	Elsevier Clinical Key Student
8	Elsevier EMBASE
9	Jaypee Digital Database
10	Up To Date
11	Elsevier Scopus

Full-Text e-Journals Access through Subscribed Medical Databases

Sr. No.	Name of Medical Databases	No. of E-Journals
1	Elsevier ClinicalKey	803
2	Elsevier ClinicalKey Nursing	70
3	ERMED Consortium	243
4	Jaypee Digital Database	74
5	Ovid e-Journals	446
		1636

Sr. No.	Name of Subscribed Software
1	Turnitin Feedback Studio (Plagiarism Software)
2	Grammarly (Research and Writing Tool)
3	Remote-Xs (For Remote Access Facility)

e-Books Access Through Subscribed Medical Databases

Sr. No.	Name of Medical Databases	No. of E-books
1	Elsevier Clinical Key	1557
2	Elsevier Clinical Key Nursing	140
3	Elsevier Clinical Key Student	499
4	Jaypee Digital Database	3469
		5665

Institutional Membership

Sr. No.	Name of Institutional Membership
1	DELNET (Developing Library Network)

Books (Print-Collection)	
Medical Books	7,810
Nursing Books	1,525
Complimentary Books	2,135
Total No. of Books in (Physical Collection)	11,470

2. Multimedia/ CD's/Procedure Video/Video Atlas/Clinical Overviews/Drug Monograph

a)	Printed Text Book CD's	: 755
b)	Procedure Video through Clinical Key Nursing	: 463
c)	Clinical Overviews through Clinical Key Nursing	: 3,725
d)	Drug Monograph through Clinical Key Nursing	: 3,400
e)	Clinical Calculators through Clinical Key Nursing	: 15
f)	Procedure Video through Clinical Key	: 463
g)	Clinical Overviews through Clinical Key	: 3,628
h)	Drug Monograph through Clinical Key	: 3,500
i)	Clinical Calculators through Clinical Key	: 15
j)	Procedures Video through Ovid	: Approx. 3000+
k)	Videos through Jaypee Digital Data	: 9,494
l)	Video Atlas through Jaypee Digital Data	: 22

3. MCQs available through Jaypee Digital Database

Available MCQs by Speciality: 79,334

4. Provided Circulation and Information Services

a) Circulation of Books: Despite the pandemic, the library continued its services, especially the circulation of books. The total number of books issued to our users during the year was 6,062, and 5,585 books were returned to the library.

b) Plagiarism Check: The library continued to offer this service in virtual mode and checked over 3,819 documents, including theses, assignments, book chapters and research paper manuscripts, etc., through DrillBit& Turnitin plagiarism software.

c) Provided Article Delivery Services: Central Library provided reference services of article delivery to the patrons who raised a request to arrange an article via Ovid, Remote-Xs, or reference librarian desk facility. The library had delivered 650+ articles through the available & ILL (Inter-Library Loan) facility.

d) Resource Awareness cum Orientation: Sr. Librarian and other librarians continued providing the orientation services on how to access and find the subscribed resources and solving raised reference queries to the patrons on an individual basis approx. 2500+ reference queries resolved.

5. Library Service

To meet the users' information needs, Central Library aims to provide a range of services and efficient access to the needed information in a service-rich environment for all its patrons. It offers a package of high quality, user-focused, user-centric services to support faculty, students, and staff's research, teaching, and learning endeavors.

a) Reference & Consultation.

b) During COVID-19 pandemic library provide Remote access facility to all registered patrons.

c) Document Delivery via-web or mail.

d) Plagiarism Check and answering raised reference queries.

e) Information Alert Services.

f) Lending & Circulation Services all days a week except declared institutional Gazetted Holidays.

g) OPAC (Online Public Access Catalogue).

h) Reprography services (Print/Photocopy).

i) Providing Orientation and Information Sessions.

j) Obtaining the recommended item through the proper channels.

k) Assisting patrons in the usage of the library and its resources.

l) Inter Library Loan facility through DELNET.

6. Library Membership:

Central Library Provides Membership facilities to its patron of different categories mentioned below:

Patrons Categories	
	Faculties (Teaching & Non-Teaching) Administrative Officers SR/JR Academics & Non-Academics Nursing Tutor/ Demonstrator Staff
Undergraduate level	**MBBS, BSc (H) Nursing,** B.Sc. (Allied Health Sciences): B.Sc. In Anaesthesia Technology, B.Sc. In Dental Hygiene B.Sc. In Medical Laboratory Technology, B.Sc. In Medical Radiology & Imaging Technology, B.Sc. In Neuro-Monitoring Technology, B.Sc. In Nuclear Medicine Technology, B.Sc. In Perfusion Technology, B.Sc. In Respiratory Therapy, B.Sc. In Urology Technology, B.Sc. Radiotherapy Technology, B.Sc. Sleep Technology
Postgraduate level	MD/MS/MDS Medical M.Sc. Master of Public Health M.Sc. Nursing
Super speciality level	DM/M.ch.
Doctoral programmes	Ph.D. Post-Doctoral Certificate Course Post-Doctoral Fellowship Course
Other courses	MBA (Health Care Administration) & MHA (Dual Degree Course) Post Graduate Diploma

7. Library Web-Page Powered by KOHA Web-OPAC:

The Library web page is powered by KOHA (Web-OPAC). It is customized and maintained by the Central Library team is reached through the institutional website under head academics and quick links or by using the URL: http://14.139.54.114/cgi-bin/koha/opac-main.pl. All the subscribed e-resources (databases, e-books, and e-journals) are accessible on institute static IPs without logging credentials.

a) A single-window displays all subscribed e-resources publisher-wise links on the left navigation bar.



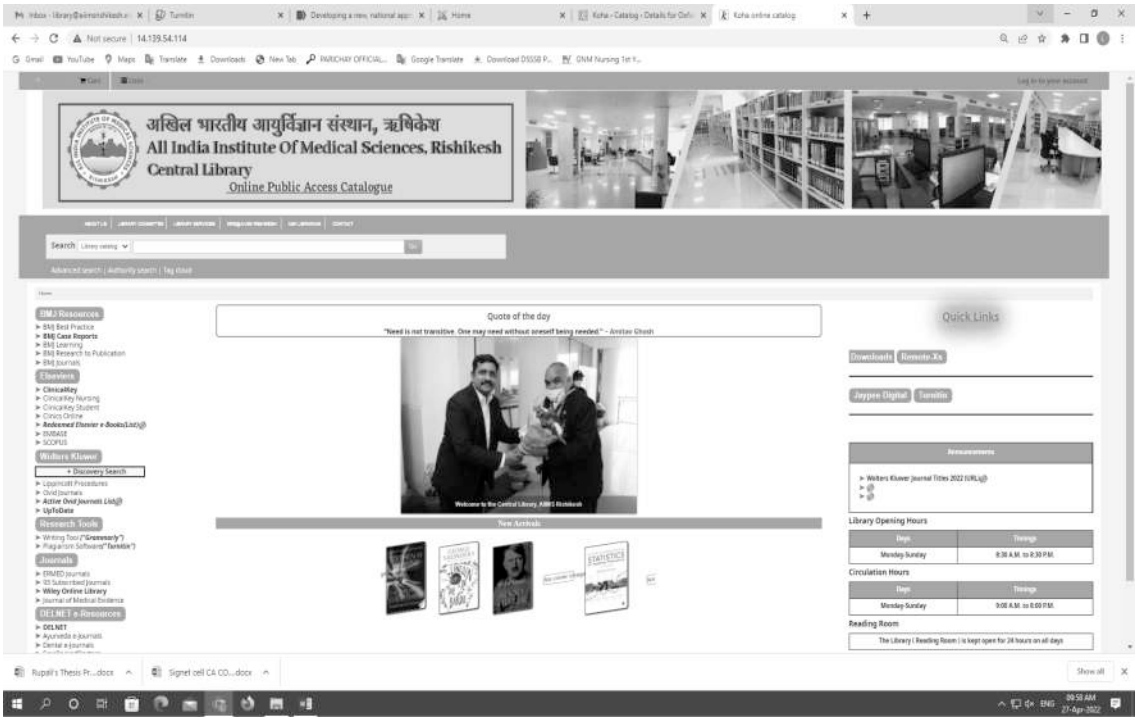
(e-Lobby for the Users in Central Library)

b) Patrons can get an announcement of running trial and added databases, journals, e-books & other academic news via the announcement tab on the proper navigation of the library web page.

c) Patrons can also check books' availability/ non-availability details through the catalogue search bar integrated with Koha Web-OPAC by filtering Author, Title, Subject, ISBN & Call Number.

d) This page also displays the recently added/catalogued books in KOHA through the new Arrival bar.

e) Patrons can download Library Registration, Remote-Xs, and No-Dues forms through Quick Links Corner directly.



(Central Library Web Page)

8. OPAC (Online Public Access Catalogue):

Online Public Access Catalogue (OPAC), or simply a Library Catalogue, is a digital database of materials such as text files, e-books, journals, etc., held by a library or group of libraries. Patrons can use the online library cataloguing software to find out any item under the control of a library. It displays the query search results in an easy-to-understand format to enable patrons to find digital material quickly. Central Library, AIIMS Rishikesh, has an OPAC facility for its patrons, which KOHA powers to search and find available print material. It also displays the current status of books that are issued or available. Patrons can search by using the keyword Author, Title, Subject, ISBN & Call Numbers it also has the feature of advance search using AND, OR & NOT Boolean operators for better precise results

9. DRS (Digital Repository System) AIIMS Rishikesh:

DSpace is a ground-breaking digital repository system that captures, stores, indexes, preserves, and distributes digital research materials. The choice of repository software provides the means for making information openly available and easy to manage and enables permanent access to digital works. DRS@AIIMS Rishikesh has provided the facility for achieving departmental thesis, Faculty publications, and Research

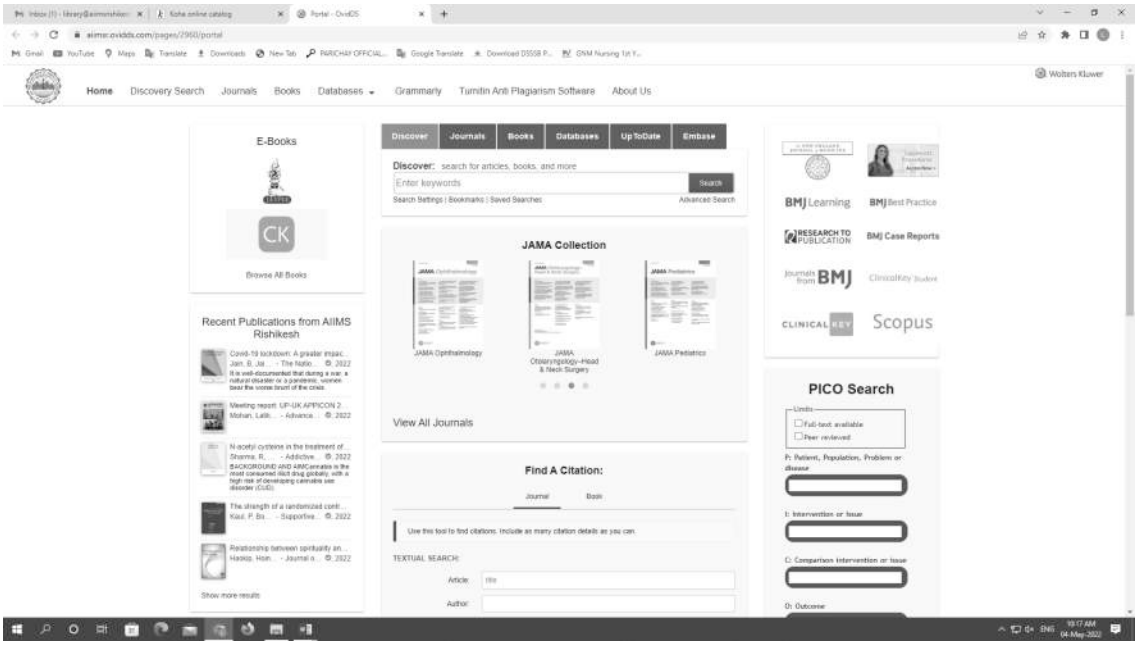


(Institute DRS through Dspace for Archieving Institutional Research Data)

articles and is accessible to all patrons of AIIMS Rishikesh through institute IPs only. Currently, the thesis abstract of 17 different departments is archived in DSpace under Thesis & Dissertations Community.

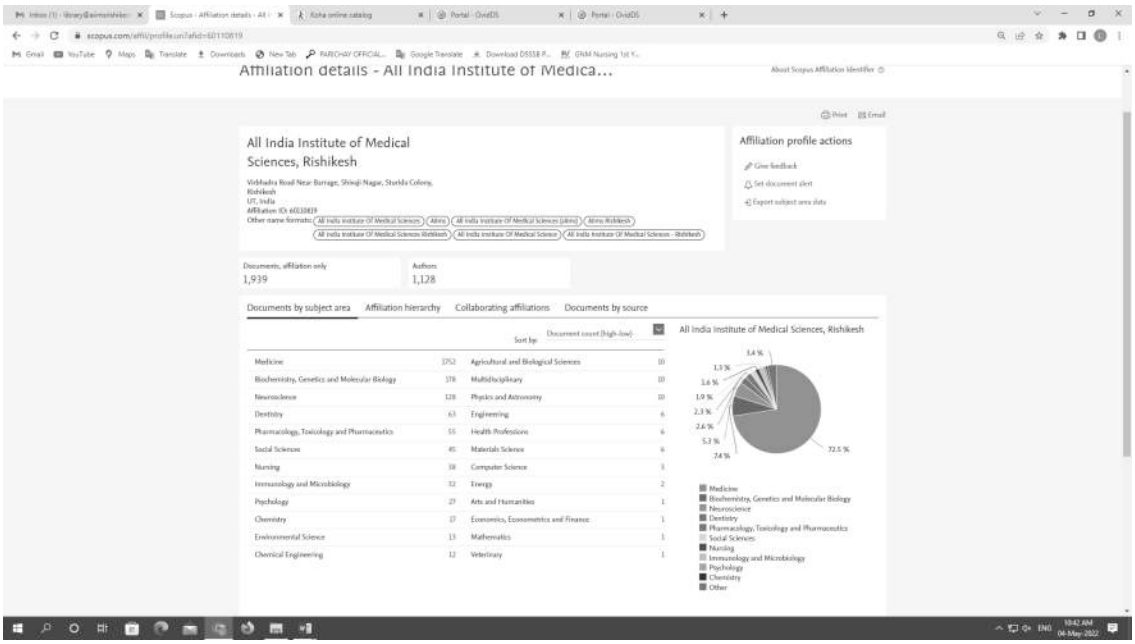
10. OVID Discovery Search New User Interface with Customized Updates:.

A single-search portal for all subscribed Central Library biomedical, health, and pharmaceutical resources. Increase e-resource discoverability and usage with streamlined access to a time-saving one-stop-shop of all available bibliographic records, full text, books, journals, and multimedia from publishers, information providers, and aggregators—not just those to which your institutions subscribe. Now users can get details of Recent Publications, New Drug Applications & Trending Applications at AIIMS Rishikesh.



(New Customized e-Library through Ovid Discovery Search Platform)

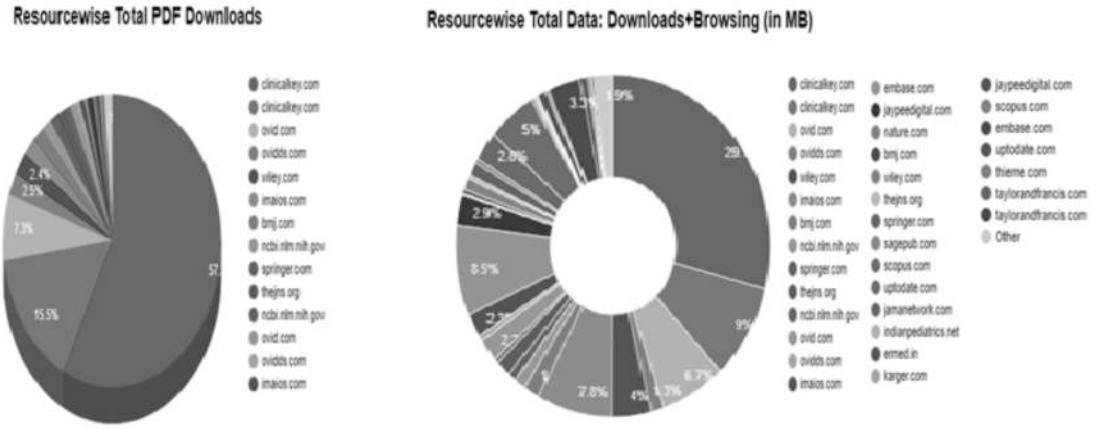
11. Elsevier Scopus Affiliation Details of AIIMS Rishikesh:



(Scopus Affiliation Details of AIIMS Rishikesh)

12. Resource wise utilization of Subscribed e-Resources:

Pie Chart indicates the utilization of subscribed e-resources, i.e. (PDF Downloads+ Browsing) from Databases and software.



No. of Hits from different e-platforms)

13. New initiative of department

a) Members of the Library Core Committee, AIIMS, Rishikesh planned to introduce the "Paper Award Series" for publishing the best paper at the Institute level to promote excellence in paper publishing while encouraging and recognizing scholars for their outstanding publications in the journal.

b) The program plan and outline will be prepared and announced shortly.

c) Subscription of 94 Journal Titles recommended journals (Print+Digital) as per requisition received for 2022.

14. Procurement of following under process Medical Databases

a) Med One Platforms i.e., MedOne Neurosurgery, MedOne Opthalmology & MedOne Education, is Under Process.

b) Access Medicine from McGraw Hill Database is under Process.

c) EBSCO CINAHL Complete as per requisition received by the college of Nursing.

15. Workshop/ conference/training organized by department

Webinars and Training sessions conducted & organised by the Central Library in Year 2021-2022:

a) BMJ organized the user awareness session for the Faculty & Doctors at AIIMS Rishikesh on 9th Feb, 2022.

b) Turnitin (Plagiarism Software) Organized a Training Session for Faculties will held on 18th December 2021.

c) Springer Nature webinar on Research paper writing and publishingwas conducted on3rd September 2021.

d) Jove conducted a faculty training session for AIIMS Rishikesh using Jove videos for Research and Education.

e) A webinar on ERMED Ovid Training Session was conducted on 15th July 2021.

f) A Training-cum-awareness program of ERMED resources access/download article from NML-ERMED was conducted on 26th July 2021.

g) A webinar using Ovid for systematic review research-term finder and search builder was conducted on dated 11thmay 2021.

h) Central Library circulated a e-Resources link of all subscribed resources and individual subscribed 93 journals to patrons of AIIMS Rishikesh for ease of reading at home during the pandemic.

16. Future plan of department

a) Books for the Central Library, College of Nursing, and newly added Allied Health Science courses run by the Institute will be procured based on requisition received from various departments or divisions.

b) Upgradation of Library from Electro-Magnetic (EM) to Hybrid (EM+RFID) System.

c) Subscription of Medline Ultimate for AIIMS Rishikesh provides access to a collection of biomedical journals from 15 publishers.

d) The library's touch Screen Kiosk (02 Qty.)

can act as an information provider for books using an OPAC- Online Public Access Catalogue and various activities, including information dissemination.

e) Procurement of Systematic Reviews and Meta-Analysis Software and Tools.

f) Efforts will be made to make the E-Zone more efficient and equipped with modern resources/facilities and arrange the computer numbers according to the computer users. The proposed purchase will be completed soon with the help of the IT cell/store.

g) A digital signage system with the software currently needs to be procured for better information processing of resources subscribed by the library for the courses being run by the Institute.

h) Plan to subscribe to the Web of Science citation indexing database for AIIMS, Rishikesh.

i) A tower server has to be purchased to effectively manage the library's resources.

j) Availing subscription of e-Anatomy IMAIOS Application, recommended and forwarded by HoD, Department of Radiodiagnosis & Imaging.

k) AIIMS Rishikesh will sign a Memorandum of Understanding (MoU) with the INFLIBNET center to join Shodhganga- a digital repository of Indian electronic thesis and dissertations set up by the INFLIBNET Centre.

l) For fortnightly workshops/lectures and sessions about library resources and services, efforts will be made to continuously access the users personally or on behalf of the department for timely updated information.

m) Subscription of "JBJS Clinical Classroom Platform" (50 Users) for Doctors and residents of the Department of Orthopaedics, recommended by HoD, Department of Orthopaedics.

n) Some books, used frequently by library users, require binding due to their condition.

o) Plan to initiate periodic awareness sessions of procured resources through a publisher's representative.

p) Accordingly, the library's interior and furnishing services have yet to be completed in multiple stages. We include the above-projected functions like e-Zone, periodical section, newspaper/magazine section, circulation, reference, and research section.

II) Member's activities:

Sh. Sandeep Kumar Singh
Sr. Librarian

1. Conferences / workshops / trainings (As Guest Lecturer / resource person / chairperson / co-chairperson/ panellist / Quiz Master)

a) Invited as a Resource Person for the Internship Orientation Course to discuss Wolters Kluwers UpToDate & subscribed library resources (January 2022) on Dated 11 January 2022.

b) Nominated as a Negotiating committee member for an institutional subscription of "Grammarly Premium (EDU)" for Central Library at AIIMS, Raipur, through PAC mode from M/s Bridge People Technology Solutions Pvt. Ltd.

c) Nominated as external member in Library Committee of AIIMS, Raebareli for evaluation of e-library resources procurement.

d) Attended a negotiation meeting on 09 March 2022 at Boardroom, AIIMS Raebareli for Subscription of Access Medicine for library AIIMS Raebarely.

e) Invited as a meeting for the selection committee to recruit Librarian Grade-I on a deputation basis for AIIMS Mangalagiri as Subject Expert on 22-01-2022.

f) Invited as a subject expert for the recruitment of Non-Faculty post (Group-B) on a deputation basis in AIIMS Nagpur on dated 19 February 2022.

2. Awards & honours received

Thieme Publishers award the efforts of Central Library AIIMS, Rishikesh



19.6 RAJBHASHA PRAKOSHTH (HINDI CELL)



Shri Shashi Kant
Sr. Admn Officer & Rajbhasha Adhikari

Hindi cell was established in year 2015 under administrative control of Rajbhasha Adhikari. With a view to promote use of Rajbhasha Hindi in AIIMS Rishikesh, Hindi Cell was started on 14th February, 2015 with appointment of Senior Hindi officer and other staff, who are continuously working under direction of Rajbhasha Adhikari. Presently, Director, AIIMS has entrusted duties of Rajbhasha Adhikari to Shri Shashikant, Senior Administrative Officer , AIIMS Rishikesh.

An Unicode training workshop was organized on 22.11.2021 for faculty. Total 10 faculty had participated in the workshop. Unicode training was imparted by Senior Hindi officer.



Participants of the Unicode training workshop.

On 17 july 2021 a training workshop on filling up quarterly progress report for Office Assistants and Store Keeper cum Clerk was organized .Total 60 participants had participated init.



Senior Hindi officer giving training to clerical staff to fill the quarterly progress report

On 31 july 2021 a workshop was organized for awareness of official language Act 1963 and Rule 1976 in the Institute. Total 80 participants had participated init.



Shri Shashikant, Senior Administrative Officer and faculty during Inauguration of official language Rules workshop

Hindi week was celebrated in institute during 14 to 23 Sept. 2021. Many competitions like hindi essay writing, hindinoting, hindidrafting, english to hindi translation, hindi poem recitation, hindi typing competition, were organized during this week. Prizes were given to the winners by Dean Acedmics .







On 05.02.2022 a “Shrutlekhan” competition was organized for nursing students. 50 nursing students participated in it. Prizes were awarded to the first, second and third winner.



HOSTEL MANAGEMENT









19.7 HOSTEL MANAGEMENT

- To provide clean, safe and comfortable accommodation effectively and efficiently to the Students/Residents.
- To provide free medical advice for residing residents/students.
- To be a centre of excellence in provision of student's accommodation services.
- Provision of Garden/Parks/play areas adjacent to residents building.

Hostel Details: -

Sr. No	Hostel Name/Building No	Type of Rooms	Total Rooms
1	MBBS Boys Hostel-77	Single-250	250
2	MBBS Boys-78	Single-140	140
3	Nursing Girls Hostel-81	Single-148 Double-156	304
4	MBBS Girls Hostel-83	Single-196 Double-44	240
5	Junior Resident Hostel-84	Single-192	192
6	Senior Resident Hostel-85	Single-168 Double-144	212
7	P.G Girls Hostel-86	Single-204	204

Department has following members –

Sr. No.	Name of Member	Designation
1	Prof. Amit Gupta	Chief Provost
2	Dr. Yogesh Singh	Provost (MBBS Boys Hostel-77)
3	Dr. Vishal Mago	Provost (MBBS Boys Hostel-78)
4	Mrs. Rupinder Deol	Provost (Nursing Girls Hostel-81)
5	Dr. Rashmi Malhotra	Provost (MBBS Girls Hostel-83)
6	Dr. Anshuman Darbari	Provost (Junior Resident Hostel-84)
7	Dr.Ranjeeta Kumari	Provost (P.G Girls Hostel-86)
8	Dr. Udit Chauhan	Assistant Provost (MBBS Boys Hostel-77)
9	Dr. Akshay Kapoor	Assistant Provost (MBBS Boys Hostel-78)
10	Mrs. Malar Kodi	Assistant Provost (Nursing Girls Hostel-81)
11	Dr. Bela Goyal	Assistant Provost (MBBS Girls Hostel-83)
12	Dr. Amit Kumar Tyagi	Assistant Provost (Junior Resident Hostel-84)
13	Dr. Bhaskar Sarkar	
14	Dr. Kavita Khoiwal	Assistant Provost (Senior Resident Hostel-85)
15	Dr. Enono Yhoshu	Assistant Provost (P.G Girls Hostel-86)

Mission

- To prepare garden area adjacent to all hostels building.
- Provision of stationary shop in residence area.
- Laundry and dry cleaning facility for students.
- Open Gym facility for Students
- A.C for all guest/visitors rooms & hostel library.
- Inside library for All hostel.
- Proposal for new hostel, capacity of up to 250 rooms for undergraduate students.
- To provide safe and comfortable stay for all students and residents.
- To get the lifts functioning in Nursing Girls Hostel-81
- Extension of mess area for nursing students mess.

- To Make complete arrangement of furniture (Beds, Mattresses, Table, Chairs Almirah,etc.)
- To enhance sports facilities.

1. Departmental Activities

a) 15th August 2021 Independence day celebration. (Dance and Drama)

b) 30th August 2021 Janmashtami Celebration (Devotional Singing.)

c) On 28th September 2021, the successful election of the students' welfare body of AIIMS Rishikesh was conducted.

d) From 27 October to 30 October 2021, students successfully organized INVICTA a cultural & sports fest.

e) 4th November 2021, Diwali Celebration (Rangoli Competition and Musical Night)

f) 25 December 2021, Christmas party organised in Nursing hostel for students.

g) Lohri was celebrated on 13 January 2022.

h) Holi was celebrated on 18 March 2022.

i) Issuing of food packets in view of prevention of Covid-19.

j) New batch students of B.Sc. Nursing and MBBS joined hostel (February to March-2022).

2. New initiative of department

a) Students/Residents who were Covid positive, were provided isolation facilities in hostel.

b) Last year, students who went on leave, during the Covid epidemic were kept 14 to 20 days upon return and during this time their entire eating arrangement was arranged in their isolation room.

c) Provision of food (Packed) in rooms was done during Covid pandemic.

d) Telemedicine service was started at SR Hostel from last year-2021

e) Indore Billiard and Snooker table game facility was inaugurated on 6th August 2021 in SR hostel (85)

f) Badminton court was constructed in the MBBS Girls Hostel & P.G Girls Hostel.

3. Workshop/conference/training organized by department

a) Basic life support training for hostels staffs

b) Fire safety equipment awareness training

c) COVID-19 prevention and awareness teaching for students and hostel staff.

d) Sessions on rules and regulations of hostel and adjusting to hostel life for students.

e) Prevention and Protection against Dengue and Malaria.

4. Future Plan of department: -

a) To enhance sports facilities.

b) To prepare Garden area adjacent to all hostels building.

c) Provision of Stationary shop in residence are.

d) Laundry and dry cleaning facility for hostels

e) Provision of projector for entertainment (for Movies, Sports, Training, Conference)

f) Wi Fi facility for all hostels.

g) Organise more activities/competitions for students.

h) Extension & renovation of Nursing students mess area.

5. Awards & honours received

On 8 March 2021 on the occasion of International women's Day the hostel warden Mrs. Radha and Ms. Rakhi were honoured for commendable work.

19.8 GUEST HOUSE FACILITY

There are 4 Suites Rooms and 6 AC Rooms in Guest House (Building No.53) and 31 Rooms in Guest House Annexe (Hostel No.02,Building No.85)

Following facilities are available at our Guest House:-

1. High quality Boarding and lodging facilities
2. Catering and mess facility (Catering services for institutional meetings, examination activities and conferences)
3. Laundry services
4. Free Wi-Fi facility
5. 24x7 Security services
6. Room Services and
7. Free parki







Department has following members –

Sl. No.	Name of Member	Designation
1.	Dr. Ajeet Singh Bhadoria	Member
2.	Dr. Arun Goel	Member

1. Departmental activities

a) Rooms renovated with more accessories

b) Separate Dining Area with increased sitting capacity and more space

c) New store Room designed and developed

d) Started new Kitchen

e) Newspaper Services

2. Activities/Services/achievement by department

a) Catered about 670 Guests in last year

- Number of guests stayed (n=200) in Guest House
- Number of guests stayed (n=470) in Annexe Guest House

b) Hospitality or Catering service for about 55 conferences and official meetings

c) Mess facilities for faculty and families: currently regular members are 74

d) Tea/Coffee and snacks are available in night time and odd hours on demand

e) Catered about 8 cultural functions or festivals in institute

3. Future plan of department

a) Better interior decoration and better exterior decoration

b) 24x7 Canteen services

c) ACs in all Rooms of Guest House Annexe

d) Geysers in all rooms of Guest House Annexe

e) More signage boards for Guest House

f) Television in all rooms of Guest House Annexe

g) Two more new rooms added in Main Guest House due to shifting of kitchen and dining area

h) CCTV camera



SECURITY SERVICES









19.9 SECURITY SERVICES

Name & designation of the Officers giving security services:

S.N	Em. ID	Name Of Staff	Designation
1	22232	Pyar Singh Rana	Security Officer
2	22427	Bharat Payal	Assistant Security Officer
3	22362	Surendra Rauthan	Assistant Security Officer

Current activities :

a) Senior security officer comes on duty 20 minutes before the duty time. After coming he visits gate number 03 and signs in duty register. So that any security guard may not come late on his/her duty. Then the related information is given to all the guards of the shift for the duty of their post.

b) Details of all the security guards, supervisors and all the gunmen of each shift are checked by the Security Officer twice in each month and if a security guard or security supervisor fails in his duty then the security officer takes immediate action.

c) Fire Safety training is provided to all the security guards by fire jamadar and fire supervisor on each Sunday of every week. Fire team check the fire equipments every day. If any equipment is found to be deficient, then the Fire jamadar gives its information to the Engineering Department.

d) Along with the Security officer 01 assistant security officer is always available in general duty at the Security Office. 01 assistant security officer also available (24X7) in all the three shifts.

e) 01 assistant security officer, 02 supervisor and 04 security guard are stationed at duty in the token counter of OPD who show correct patients who comes in the OPD and also control the arrangement of proper parking of the vehicles of the patients end their helpers. So that the OPD keeps moving smoothly.

f) Some security guards control the patients as per the correct number given on their token by putting them in the line to avoid any indiscipline.

g) 06 Supervisor and 86 security Guards are kept on duty at 24X7, from C-1 to C-6 at OPD building who keep track of all the activities happening there. The guards also help the patients so that the patients do not face any inconvenience and in IPD proper guidance is given to patients and their helpers and they also tell about the responsibility for their belongings. So that there may not be any type of theft or any other personal accident. To make the proper setup they also control the number of helpers comes with the patients.

h) In the medical building, 24X7, 03 supervisor remain posted with 42 security guards. They check outsiders and during the working hours, external persons may be allowed to enter with the permission of concerned person.

i) In the residential premises 24X7, 03 security supervisor and 60 security guards are posted at each hostel, guest house and residence. They maintain the register for incoming and out going persons.

j) At Trauma Bhawan, 01 Security Supervisor specially focuses on the patients of COVID and gives directions to them, so that the COVID patients do not face any problem.

k) A civil team has been formed by the security officer which is secretly positioned in all the AIIMS campus to monitor all the irregular and accidental incidents (theft, antisocial elements) in the premise whose task is to give information about all the events happening throughout the day to the security officer. So that all the occurrences occurring daily will remain in the custody of the security officer and take action on time.

l) Smoking is prohibited in the campus . So that no one could enter the AIIMS campus with tobacco, paan, beedi, cigarette, gutkha etc. Even if a custodian is caught smoking, he is fined Rs 50 / -.

m) CCTV camera is located in the premises which is operated from the control room. Where 01 supervisor and 03 security personnel are deployed in each of the shift. If any incident happens inside the premises the Security personnel reaches there and takes action according to the

footage.

Other activities:

a) On the occassion of annual function or national festival (Republic Day and Independence Day) the security department decorates the entire premises of AIIMS. When any VIP (guest or official) arrives in AIIMS premises the security department prepares for their welcome and arranges the security at the campus.

b) On the occassion of national festivals (Republic Day and Independence Day), for the presentation of parade the security officer prepares all the security guards 04 weeks before. So that the presentation goes smoothly at the time of flag hosting.

c) Outside the OPD the tokens are arranged by the security supervisor posted on duty so that the crowd of patients coming there could be controlled and there is no dispute about token number there.

d) Whenever a patient is referred to another hospital outside the AIIMS campus, 01 security guard is sent along with the ambulance.

e) To prevent the encroachment on the road outside the AIIMS premises, two security guards are deployed on duty and 02 security guards continuously patrol on the bicycle at gate number 03 to gate number 01.

Future plan :

a) To start the inquiry window and sound system (P.A. System) in the OPD.

b) To Establisment of police post in the premises, arrangement of MLC report and FIR.

c) To arrange toilets and drinking water system at all the three main gates.

d) To arrange luggage scanner machine at all the three main gates.

e) CCTV TV Monitor in security department is available with the backup of 08 days, it is to be up graded with the backup of at least 90 days.

f) AIIMS premises should have fire station, fire extinguishers and fire fighting dress and equipments



HOUSE KEEPING SERVICES









19.10 HOUSE KEEPING SERVICES

All India Institute of Medical Sciences, Rishikesh campus is divided into Trauma centre, Emergency services, OPD, IPD, Medical college, Residential complex and Field where mechanized cleaning work is done by M/s MJ SOLANKI, Ahmedabad (Gujarat) on contract basis according to instructions of sanitation department and Kayakalp guidelines. M/s MJ SOLANKI, Ahmedabad is providing the best disinfectant sanitation facilities to the institution under the supervision of 01 General Manager, 01 Human Resource Assistant, 01 Operational Manager and 26 supervisors. The Trained workers are doing the cleanliness work in the campus. Effective inspection is carried out daily by 03 sanitation inspectors and timely inspection of sanitation of the entire institute carried out by Senior sanitary Officer and necessary instructions are given to subordinate employees. With the help of infection Control Department, Vaccination of officers and employees done regularly, and training programs are also organized in the hospital premises by sanitation department. Emergency services, IPD blocks and trauma centre block are open 24x7, where supervisors and employees works in 03 shiftsfor the cleaning of the same. A separate team has been formed for disposal of biomedical waste in the institute campus. The biomedical waste generated in the institute is daily collected by the trained supervisors and employees and sent to Biomedical Collection Centre. The entire biomedical waste is disposed of by the medical pollution Control Committee, Roorkee. The work of pest control in the Institute campus is being done by SuryanshIntertech Pvt Ltd, New Delhi.

Department has following members –

Sl.No.	Name of Member	Designation
1	Mr. Pramod Kumar Saini	Senior Sanitary officer
2	Mr. Sanjeev Kumar Saxena	Sanitary inspector
3	Mr.Sachin Kumar	Sanitary inspector
4	Mr. Green Kumar	Sanitary inspector

I) Departmental activities :

1. Activities / Services / achievement by department

Common waste is collected separately as dry and wet waste by the Department of Sanitation. For which the dustbin (green and blue) has been kept in the form of a pair in the entire institute. Wet waste is disposed off by M/s MJ SOLANKI and dry waste is disposed off by the Municipal Corporation Rishikesh through M / s MJ Solanki.

2. New initiative of department

Department of Sanitation and Infection Control Committee gives Special training to the employees related with the work of prevention of the infection of terrible diseases in AIIMS campus. In order to encourage employees, to increase their interest towards the work best working employees are awarded by institute.

3. Workshop / conference / training organized by department

Various trainings like separation of wet-dry waste, hand-hygiene, modern methods of cleaning, use of various insecticidal chemicals and methods of collection and transport are given by the department of sanitation.

4. Future plan of department

Action plan for disposal of dry waste under the Solid Waste Management Act 2016

II) Member's activities :

1. Shri Pramod Kumar Saini (Senior Sanitary Officer) - Inspection of daily cleanliness in AIIMS campus and gives necessary guidelines to subordinate staff, compliance of orders of Senior officers, action plan for the department, resolving various problems of employees, and inspection of pest control work, Supervision of biomedical waste Management of Sanitation Department office.
2. Shri Sanjeev Kumar Saxena (Sanitary Inspector)- Inspection and supervision of daily sanitation system of his work area, giving guidance to subordinate employees, on the spot inspection of pest control work, inspection of biomedical waste work and compliance of orders of Senior officers.

3 Shri Sachin Kumar (sanitary Inspector)- Inspection and supervision of daily sanitation system of his work area, giving guidance to subordinate employees, on the spot inspection of pest control work, inspection of biomedical waste work and compliance of orders of Senior officers.

4 Shri Green Kumar (Sanitary Inspector)- Inspection and supervision of daily sanitation system of his work area, giving guidance to subordinate employees, on the spot inspection of pest control work, inspection of biomedical waste work and compliance of orders of Senior officers.

Participated in Conferences / workshops / trainings

Department of Sanitation and Infection Control Committee gives special training to the employees related with the work of prevention of the infection of terrible diseases in AIIMS Campus

19.11 HOSPITAL STORE

AIIMS, Rishikesh is one of the Six AIIMS like apex healthcare institutes being established by the Ministry of Health & Family Welfare, Government of India under the Pradhan Mantri Swathya Suraksha Yojana (PMSSY). With the aim of correcting regional imbalances in quality tertiary level healthcare in the country. and attaining self-sufficiency in gradate and postgraduate medical education and training the PMSSY planned to set up 6 new AIIMS like institutions in underserved areas of the country.

Since the inception, Store department of AIIMS Rishikesh has played vital role in installation of equipment/instruments from basic to very high end.

Supply of fast-moving consumable goods in timely manner is the ultimate goal of Surgical and diagnostic store. Reagents, surgical disposables, controls, calibrators etc which are lifeline of any hospital for smooth functioning should be given special attention. Taking care of that Hospital store regularly procure consumables with different needs. Hospital store has recently managed to establish 24x7 emergency diagnostic lab with maintenance free equipment at no cost basis against rate contract for reagent/consumables.

Part of Hospital Store:

A. Non Consumable Store
1. Equipment Store
2. Linen & Furniture Store

B. Consumable Store
1. Surgical Store
2. Diagnostic Store
3. Pharmacy Store

C. Local Purchase Store

D. HLL Equipment Store

Procurement Process

1) Demand of department
2) Availability in Store
3) Categorization of Equipment
4) Finalization of Technical Specification
5) Tendering Process as per GFR
6) Material Received & Installation
7) Stock Entry in Store

Equipment's/Instruments procurement details during 2021-2022

S.No	Goods Name	Qty	Method	Date of Receiving	Total Cost
1	Vitereous scissors	1	IMPREST	15/04/2021	10840
2	Cuff pressure manometer	2	IMPREST	19/05/2021	11200
3	Video Laryngoscope	1	GEM	08/06/2021	179800
4	Ventilator(High end ICU Ventilator)	5	COVID	13/05/2021	6774925
5	Ventilator(High end ICU Ventilator)	10	COVID	25/05/2021	13549850
6	Ventilator(High end ICU Ventilator)	20	COVID	30/05/2021	27099700
7	Multipara monitor	35	COVID	10/05/2021	4147500
8	Multipara monitor	165	COVID	25/05/2021	19552500
9	ECG Machine 12 Channel	2	COVID	19/05/2021	FOC
10	ECG Machine 12 Channel	5	COVID	30/05/2021	FOC
11	Humidifier	4	COVID	19/05/2021	FOC
12	Humidifier	5	COVID	03/06/2021	FOC
13	Circuit	10	COVID	19/05/2021	FOC
14	Nasal Cannula	10	COVID	19/05/2021	FOC
15	Servo stabilizer	1	GEM	25/05/2021	23748
16	Infusion Pump(volumetric)	150	COVID	30/05/2021	5040000
17	Syringe Pump(non-volumetric)	150	COVID	30/05/2021	5040000
18	Laboratory refrigerator	1	GEM	01/06/2021	73899
19	ECG Machine	10	COVID	25/06/2021	1394444
20	Ultrasound machine(portable)	2	GEM	14/06/2021	4368000

21	Hot Air Oven	1	Imprest	26/06/2021	24990
22	Elite II Rail clamp w/2 cam joint 18"	1	LPC	29/05/2021	173600
23	Cam II clip on w/8" handle	1	LPC	29/05/2021	76003
24	Elite II Rail clamp w/2 cam joint 18"	1	LPC	17/06/2021	173600
25	Cam II clip on w/8" handle	1	LPC	17/06/2021	76003
26	Multipara Monitor(Lifi Enabled)	6	COVID (CSR)	02/06/2021	400760
27	YI Spo2 probe	5	covid	31/05/2021	337207
28	Spo2 sensor Adult	5	covid	31/05/2021	
29	Extension cable	10	covid	31/05/2021	
30	NIBP Cuff Adult	17	covid	17/05/2021	243376
31	Spo2 sensor Adult	17	covid	17/05/2021	
32	ECG Probe 3 lead	11	covid	17/05/2021	
33	Skin temperature probe	6	covid	17/05/2021	
34	Monitor Adapter	8	covid	17/05/2021	
35	Tablet charger	24	covid	17/05/2021	
36	Spo2 sensor Adult	18	covid	25/05/2021	689946
37	Spo2 extension cable	14	covid	25/05/2021	
38	NIBP hose Tubing	14	covid	25/05/2021	
39	NIBP Cuff Adult	19	covid	25/05/2021	
40	ECG lead	17	covid	25/05/2021	
41	ECG cable	18	covid	25/05/2021	
42	Skin temperature probe	20	covid	25/05/2021	
43	Battery set	2	covid	25/05/2021	
44	Spo2 sensor Adult MX800 & CM150	22	covid	12/07/2021	1025444
45	Spo2 sensor Adult MX450	2	covid	12/07/2021	
46	NIBP hose Tubing	4	covid	12/07/2021	
47	NIBP Cuff Adult	24	covid	12/07/2021	
48	Skin temperature probe	4	covid	12/07/2021	
49	Spo2 extension cable MX800 & CM150	22	covid	12/07/2021	
50	Spo2 extension cable MX450	2	covid	12/07/2021	
51	ECG cable	2	covid	12/07/2021	
52	NIBP Cuff Adult	31	covid	15/06/2021	344960
53	Spo2 sensor Adult	34	covid	15/06/2021	
54	ECG cable	25	covid	15/06/2021	
55	NIBP hose Tubing	22	covid	15/06/2021	
56	Patient Warming system	3	GEM	12/07/2021	259200
57	Air mattress	5	Imprest	07/07/2021	13875
58	Sthethoscope	5	Imprest	07/07/2021	2000
59	Stapler Remover	5	Imprest	07/07/2021	1500
60	Binocular Microscope	1	Imprest	02/07/2021	24650
61	Lab Deep freezer	1	GEM	22/09/2021	357000
62	SLA Fibre optic cable	2	LPC	18/06/2021	190400
63	LED bulb	1	LPC	07/07/2021	33040
64	Sthethoscope	5	Imprest	05/07/2021	17000
65	B P apparatus	5	Imprest	05/07/2021	11000
66	Laboratory refrigerator	1	GEM	11/06/2021	43284
67	Laryngoscope adult	17	GEM	04/08/2021	60894
68	UV sanitiser with air purifier	10	GEM	30/06/2021	441540

69	Laryngoscope(Fiber optic Laryngoscope)	1	GEM	19/08/2021	9950
70	Wrench adjustable	1	IMPREST	12/04/2021	708
71	Patient cable	1	IMPREST	30/06/2021	8008
72	Ventilator(ICU Ventilator)	11	covid	05/07/2021	38249996
73	Ventilator(ICU Ventilator)	13	covid	07/07/2021	
74	Infrared thermometer	50	GEM	04/08/2021	190000
75	Sponge holder	20	GEM	26/08/2021	18810
76	Deep Freezer -40 degree	1	GEM	22/06/2021	264999
77	Laryngoscope(Fiber optic Laryngoscope)	1	GEM	18/09/2021	9950
78	Centrifuge(Non Refrigerated centrifuge)	1	GEM	12/07/2021	49990
79	PCR Machine(Thermal cycler)	2	GEM	15/07/2021	497599
79	Mortuary cabinet	2	GEM	27/07/2021	518000
80	Laboratory refrigerator	3	GEM	15/07/2021	240000
81	Stimulator(stim-3)	1	IMPREST	03/09/2021	23520
82	NO(Nitric oxide) Generator	1	covid	21/08/2021	5106261
83	Sthethoscope	1	IMPREST	27/07/2021	5099
84	B P apparatus	1	IMPREST	27/07/2021	
85	Weighing machine	1	IMPREST	27/07/2021	
86	Stadiometer	1	IMPREST	27/07/2021	
87	Magil forceps	4	IMPREST	07/08/2021	21336
88	Chest vibrator	1	IMPREST	07/08/2021	
89	Nebulizer Machine	5	IMPREST	07/08/2021	
90	B P apparatus	5	IMPREST	07/08/2021	
91	B P apparatus	2	IMPREST	26/08/2021	3562
92	Extension cable for pacemaker	2	Imprest	14/10/2021	23128
93	BP Dial	1	Imprest	12/10/2021	553
94	Stethoscope	1	Imprest	12/10/2021	258
95	Magnetic stand	1	LPC	24/09/2021	44840
96	Magnetic Rack	1	LPC	24/09/2021	61360
97	Dry bath Incubator/Lab multi sample mixer	1	GEM	11/08/2021	12999
98	Hot Air Oven	1	GEM	10/09/2021	10413
99	Incubator (LED display bacteriological incubator)	1	GEM	10/09/2021	19750
100	Rotary shaker	1	GEM	25/08/2021	24980
101	Water bath dig.	1	GEM	23/08/2021	11000
102	Hyperbaric safe mask	10	LPC	08/10/2021	100540
103	Hood set	4	LPC	08/10/2021	
104	Neckseal	4	LPC	08/10/2021	
105	Multipara monitor(Low end monitor)	300	covid	11/06/2021	35550000
106	Biosafety cabinet	1	GEM	11/12/2021	101200
107	Elbow disarticulation prosthesis	1	LPC	02/12/2021	78750
108	Deep freezer(-20)	1	LPC	30/11/2021	32500
109	Centrifuge(R8C lab centrifuge)	1	LPC	07/08/2021	59354
110	Centrifuge (compact bench top cooling micro centrifuge)	1	LPC	08/12/2021	195644
111	Temporary external pacemaker with pacing cable	2	Tender	13/10/2021	616000
112	Laryngoscope	6	Imprest	27/12/2021	13998
113	Torniquet (Electronic torniquet)	1	Imprest	21/12/2021	24000

114	Battery for Torniquet	1	Imprest	21/12/2021	24000
115	Drill battery system	2	Imprest	21/12/2021	
116	Silicone cuffs autoclavable	1	Imprest	21/12/2021	24000
117	Hemosphere cardiac output monitor with accessories	1	Proprietary	05/11/2021	2900000
118	REAL TIME PCR	1	GEM	01/12/2021	1320000
119	XENON LAMP	3	LPC	23/09/2021	230160
120	Bipolar cable	7	LPC	02/02/2022	203000
121	ERBA Plate reading elisa reader & washer	1	GEM	23/07/2021	300000
122	Dressing drum	15	GEM	10/03/2022	23205
123	Ph meter	2	GEM	28/02/2022	22050
124	Touchless sanitizer dispenser	4	GEM	15/03/2022	19854
125	Laryngoscope	10	GEM	03/03/2022	21950
126	Sternum saw system	1	LPC	11/03/2022	217280
127	MODT COLPOSCOPY (MOBILE ODT EVA SYSTEM)	1	LPC	22/02/2022	240000





CENTRAL PHARMACY

19.12 CENTRAL PHARMACY

AIIMS Rishikesh is an apex healthcare institute, established by Ministry of Health & Family Welfare, Government of India under Pradhan–Mantri Swasthya Surakasha Yojna (PMSSY) in August-2012. Since its inception, the Pharmacy Section of AIIMS Rishikesh has played a vital role in providing essential national medicines to treat in-patient department (IPD) patients on time.

Mission

"Our mission is to bring healthcare standards within reach of every individual. We are committed to the achievement and maintenance of excellence in healthcare for the benefit of humanity."

Goals

a) Improving inventory and dispensing efficiency have been key goals for Central Pharmacy.

b) To achieve UHID based indent for all IPD prescriptions. To Integrate technology that improves efficiency and safety undertake in pharmacy functioning.

c) To achieve and maintain quality medicines procurement at competitive prices is the priority of Central Pharmacy.

d) To follow standard pharmacy procedures in line with established hospital policies and achieve

e) To achieve international standards of medication safety.

f) To be a responsible and effective integral member of patient care.

g) To undertake Measures for increasing public awareness for rational use of medicines.

Organizational structure

a) The pharmacy section conducts all pharmacy work under the guidance of Hon'ble Director & CEO, Medical superintendent and Dean (Hospital Affairs)

b) Executive responsibility of Pharmacy has been delegated by competent authority to:

- Dr. Puneet Dhamija, Faculty In-charge, Pharmacystore.
- Dr. Gaurav Chikara, Faculty In-Charge and procurement officer, Pharmacy.

c) A core team of Central Pharmacy comprises of twenty-four Pharmacists and Three dispensing attendants.

Working Distribution

Currently, Pharmacy at comprises of:

a) One central store.

b) Three sub-stores:
- Level 5 Sub-store.
- COVID/ Trauma sub- store.

c) Dedicated pharmacy facility in:
- Operation theatre complex.
- Emergency area.

Activities / Achievement by Department:

a) Provision free of cost medicines to IPDpatients.

b) Under the Leadership of Hon'ble Director sir, Bureau of Pharma Public Undertakings of India (BPPI) was maintained as preferred source of medicines procurement, thus making the possible purchase of high-quality medicines for Patients at subsidized prices and simultaneously savings crores of funds.

c) During the COVID pandemic, Central Pharmacy was operated 24 X7, thus ensuring uninterrupted medicines supply to patients.

d) By Utilizing the NIC Software e-pharmacy module, under e-hospital software, for procurement and dispensing of medicines, more wards were linked to the framework. This ensured transparent inventory management and indent process and thus, closing towards our goal of digital working and UHID based indent.

e) As the population of EHS beneficiaries increased, measures were taken in coordination with faculty In-charge, EHS, for efficient medicines supply through EHS sub-Section of pharmacy.

f) Initiated, Level 5 Sub-store, COVID/ Trauma sub- store pharmacy for dispensing medicines on UHID Basis of the patient and optimal resource utilization.

g) To save expiry of medicine, central pharmacy returns near expiry medicine and the total amount of near expiry medicine is recovered from the RC vendor through credit note.

h) Roster management of involved pharmacists and staff to ensure 24X7 indent as well as COVID appropriate behavior.

i) Demand Process was further regularized and prepared according to the hospital formulary or consumption list.

j) Under the supervision of the medical superintendent's office, pharmacy continued its noble drive of collecting medicines, from donors.



FINANCE & ACCOUNTS DEPARTMENT

Annual Accounts
F.Y. 2021-22

All India Institute of Medical Sciences
Rishikesh

सत्यमेव जयते

BRANCH: DIRECTOR GENERAL OF AUDIT (CENTRAL), LUCKNOW AT ALLAHABAD

सत्यनिष्ठया समर्पिता
Dedicated to Truth in Public Interest

Date: 18 Oct 2022

To,

Secretary, Government of India Ministry of Health and Family Welfare, Department of Higher Education, Nirman Bhavan, New Delhi -110001

Subject: Issue of Separate Audit Report : PR-19187 on the Accounts of AIIMS Rishikesh for the year 2021-22.

Letter No. 427900

Sir/Madam,

इस पत्र के माध्यम से AIIMS, Rishikesh के वर्ष 2021-22 के लेखों पर पृथक लेखा परीक्षा प्रतिवेदन (अंग्रेजी) अग्रसारित किया जा रहा है।

2. कृपया सुनिश्चित करें की पृथक लेखापरीक्षा प्रतिवेदन एवं सम्बंधित लेखे संसद के दोनों सदनों के सम्मुख प्रस्तुत हुए।

3. कृपया पृथक लेखापरीक्षा प्रतिवेदन एवं लेखो को संसद के दोनों सदनों के समक्ष अंतिम रूप से प्रस्तुत करने की तिथि भारत के नियंत्रक एवं महालेखापरीक्षक के साथ साथ इस कार्यालय को भी सूचित करने का कष्ट करें।

संलग्नक उपर्युक्तानुसार।

भवदीय,

ह ०/-
प्रधान निदेशक लेखापरीक्षा (केंद्रीय)

Letter No. DIS-428016 Dated 18.10.2022

वर्ष 2021-22 के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) की प्रति कार्यकारी निदेशक अखिल भारतीय आयुर्विज्ञान संस्थान वीरभद्र रोड, ऋषिकेश उत्तराखंड- 249203 को आवश्यक कार्यवाही हेतु प्रेषित है। संस्थान यदि आवश्यकता अनुभव करे, तो इस प्रतिवेदन का हिन्दी अनुवाद करवा सकता है परन्तु इस प्रतिवेदन के हिन्दी अनुवाद में निम्नलिखित अंकित होना चाहिए रू
"प्रस्तुत प्रतिवेदन मूलरुप से अंग्रेजी में लिखित पृथक लेखापरीक्षा प्रतिवेदन का हिन्दी अनुवाद है। यदि इसमें कोई विसंगति परिलक्षित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा।"
हिन्दी अनुवाद की एक प्रति इस कार्यालय को भी प्रेषित करने का कष्ट करें।

संलग्नकः उपर्युक्तानुसार।

Yours faithfully,

Jayakar Babu
Deputy Accountant General / Deputy Director

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of the All India Institute of Medical Sciences (AIIMS), Rishikesh for the year ended 31 March, 2022

We have audited the attached Balance Sheet of All India Institute of Medical Sciences, Rishikesh (Institute) as at 31 March 2022, Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with Section 18(2) of the AIIMS Act 1956 (Amendment-2012). These financial statements are the responsibility of Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. The separate Audit Report contain the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & regulations (Propriety and Regulatory) and efficiency-cum-performance aspects, etc., if any are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

(i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;

(ii) The Balance Sheet, Income & Expenditure Account and Receipts &Payments Account dealt with by this report have been drawn up in the Uniform format of Accounts approved by the Ministry of Finance, Government of India;

(iii) In our opinion, proper books of accounts and other relevant records have been maintained by AIIMS Rishikesh as required under section 18(1) of the AIIMS Act 1956 (Amendment-2012) in so far as it appears from our examination of such books.

(iv) We further report that:

A. Balance Sheet

(A.1) Fixed Assets (Schedule 8) ₹ 807.79 crore

The Institute has given advance of ₹ 136.52 crore to CPWD and shown the whole amount under 'Capital Works in Progress' whereas Rs. 128.73 crore only was utilised for Construction of various projects/works. This has resulted in overstatement of 'Capital Work in Progress' by ₹ 7.79 crore and understatement of 'Current Assets, Loans & Advances' by the same amount.

(A.2) Current Assets, Loans & Advances ₹ 571.12 crore

The Institute has reduced an amount of ₹ 14.80 crore from advances to Amrit Pharmacy (Firm) instead of adjustment from outstanding liability. This has resulted in understatement of 'Current Assets, Loans & Advances' and Current liabilities and provisions' by ₹ 14.80 crore each.

(B) Grant-in-Aid

The Institute received Grant-in-Aid of ₹ 676.35 crore and generated internal income of ₹ 35.61 crore during the year 2021-22. After taking opening balance of ₹ 396.84 crore, the total available fund worked out to ₹ 1108.80 crore. The Institute utilized a sum of ₹ 586.65 crore and ₹ 65.46 crore Interest transferred to Consolidated Fund of India, leaving a balance of ₹ 456.69 crore as on 31st March 2022.

(v) Subject to our observations in the preceding paragraphs we report that the Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.

(vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on accounts and subject to the significant matter stated

above and other matters mentioned in the Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India:

a. In so far as it relates to the Balance Sheet, of the state of affairs of the AIIMS, Rishikesh as at 31 March,2022; and

b. In so far as it relates to Income and Expenditure Account of the 'deficit' for the year ended on that date.

Annexure

1. Adequacy of Internal Audit System

The Institute has no internal audit wing of its own as such the internal audit of the Institute has not been conducted for the year 2021-22.

2. Adequacy of Internal Control System

Internal Control System of the Institute is characterised by:

(i) There were vacancies in many key posts against the sanctioned strength e.g. Finance & Chief Accounts Officer, Professors (OBC & SC), Additional Professors (OBC & SC) etc.

(ii) Advances of ₹ 341.40 lakh were not settled or recovered since last three or more years.

3. System of physical Verification of Fixed Assets

Physical verification of Fixed Assets has not been conducted for the year 2021-22.

4. System of physical Verification of Inventory

Physical verification of Inventory has been conducted for the year 2022-22.

5. Regularity in payment of Statutory Dues

The Institute is regular in payment of statutory dues.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES

Virbhadra Road, Rishikesh, Uttarakhand – 249203

Reply to queries raised in Annexure

1. No Internal Audit Wing has been sanctioned by GB/SFC, however internal audit is being conducted by CA from time to time.

2. (i) Post of Finance & Chief Accounts Officer was advertised in last advertisement for Group A deputation posts. Due to non-availability of suitable candidate in last advertisement, the post has also been advertised again along with other deputation posts in current advertisement for Group A deputation. As far as the Professors (OBC & SC) and Additional Professors (OBC & SC) are concerned, Interviews for these posts have recently been completed and the result has been published and joining is awaited. Also a fresh advertisement for these posts are in the pipeline and will be published subsequently on the basis of available seats after joining the shortlisted candidates.

   (ii) Advances of Rs.341.40 lakh includes Rs.3.11 crore as secured advance and amount treated as recoverable from JMC Project (I) Ltd. as case is under arbitration, final decision is still awaited. And remaining advances adjustment of Rs.0.30 lakh is under process and same will be settled accordingly, related documents will be made available in next audit.

3. Physical verification of fixed assets is under progress for FY 2021-22.
4. No comments.
5. No comments.

In view of the above explanations, the comments raised in Final SAR may be considered for dropping.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES

Virbhadra Road, Rishikesh, Uttarakhand – 249203

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES
RISHIKESH, UTTARAKHAND 249203

Receipt & Payment Account for the year ending 31st March, 2022

(Amount in Rs.)

Receipt	Current Year	Previous Year	Payment	Current Year	Previous Year
(A) Opening Balance			**(A) Outflows**		
CELEBI Account	49,620.00	49,620.00	ESTABLISHMENT EXPENSES :-		
PNB (Main A/c) 6189000100021125	2,522,078,934.00	1,802,058,355.00	Salary	2,487,913,596.00	2,292,794,816.00
PNB (Recruitment) A/c 6189000100021295	51,988.00	322,433.00	Medical Reimbursement	-	969,853.00
FDRS	587,932,717.00	442,053,169.00	Leave Travel Concession	8,254,682.00	8,341,113.00
BOB LC A/c No. 48410200000022	4,547,482.00	4,547,500.00	Children Education Allowance	7,958,696.00	3,570,702.00
PNB (Service Tax A/c) 6189000100032361	655,105,540.00	364,326.00	Contribution Towards NPS	133,560,282.00	113,262,400.00
PNB (POS) A/c No 6189002100000791	26,847,529.00	106,956.00	Pension & Leave salary Contribution (Deputation Employees)	-	653,867.00
Investments in Bonds/ Securities	35,000,000.00	35,000,000.00	Travelling Allowance paid on Transfer	-	-
HDFC Bank LC A/c 50100213887971	23,113,240.00	19,250,467.00	Learning Resources Allowance	34,804,197.00	27,982,034.00
HDFC Bank (POS) A/c 50100213888030	172,342,626.00	121,607,137.00	Lease Rent for Accommodation	71,246,279.00	70,057,348.00
HDFC Bank (IRF) A/c 50100215419202	33,893,159.00	49,264,246.00	EPF Contribution for Employees	479,277.00	188,792.00
HDFC Bank (Loans & Advances A/c)	56,163,288.00	54,212,502.00	Earn Leave Encashment	27,842,048.00	427,942.00
PNB (Research Cell) 6189000100017557	50,331,824.00	26,767,505.00			
PNB (TDS A/c) 6189000100047372	34,545,815.00	33,315,183.00	OTHER ADMINISTRATIVE EXPENSES ETC :-		
YES Bank (POS) A/c 039194600000530	26,776,902.00	3,732,230.00	a) Purchases:		
BOB (Endowment Fund) 48410100003328	77,976.00	58,380.00	(i) Hospital Consumables/Medicines	873,868,438.00	879,189,834.00
HDFC (Recruitment) A/c No 50100205840472	12,224,775.00	74,610,180.00	b) Labour and processing expenses:		
SBI (Recruitment) A/c S/o 36961492287	54,895.00	53,427.00	(i) Wages to labours	-	-
HDFC Bank (FCRA) A/c No 50100218515073	1,794,711.00	1,001,914.00	(ii) Hiring of Manpower (House keeping & Security)	925,542,819.00	1,014,350,690.00
PNB (VRDL) A/c No 6189000100053124	22,435,227.00	20,184,395.00	c) Electricity and power:	-	-
PNB (Jan Aushadhi) 6189002100001064	923,288.00	1,361,482.00	(i) Electricity Charges	130,553,514.00	127,306,404.00
YES Bank (Jan Aushadhi) A/C No.	11,282.00	1,115,593.00	(ii) Fuel for Genset	5,545,962.00	1,880,178.00
PNB (Ayush Bharat) 6189000100049714	278,979,246.00	99,441,777.00	d) Insurance:		
YES Bank (Ayushman Bharat) 39194600000542	7,535.00	972,963.00	(i) Vehicle Insurance	-	-
Cash in Hand (Jan Aushadhi)	23,269.00	64,921.00	e) Repairs and maintenance:		
PNB EHS A/c 6189000100058147	31,370,262.00	-	(i) Machineries and Equipment	26,565,865.00	12,953,197.00
PNB (Patient Welfare) 6189000100043543	33,682,513.00	-	(ii) Fuel for Machines	75,850.00	
PNB (HTA) A/c No 6189000100055317	2,688,833.00	-	(iii) Other Minor Works (Including R&M on Machinery)	74,679,721.00	62,008,105.00
PNB (Sewa THDC) 6189000100051481	166,752.00	-	f) Rent, Rates and Taxes:	-	-
PNB (NHM) A/c 6189000100042535	4,205.00	-	(i) Rent, Rates & taxes	155,480.00	296,461.00
PNB (Medal Fund) A/c 6189000100053966	523,536.00	-	(ii) Lease Rent Accommodation	-	48,088,807.00
PNB (MRU) A/c 6189000100055487	12,918,541.00	-	g) Vehicles Running and Maintenance:		
PNB (Conting.) A/c 6189000100056334	856,401.00	-	(i) Vehicle Hiring Charges	7,836,687.00	9,980,451.00
PNB (DTC) A/c 6189000100052259	429,483.00	-	(ii) Fuel for Vehicles	59,068.00	469,846.00
PNB (Guest House) 6189000100031636	382,254.00	-	(iii) Maintenance Expenses of Vehicles	468,934.00	184,837.00
PNB (NUHM) A/c 6189000100055760	4,331,418.00	-	h) Postage, Telephone and Communication Charges:		
PNB (Hosp Receipt) 6189000100054859	3,629,374.00	-	(i) Postage Charges	190,476.00	111,651.00
PNB (RCH NHM) 6189000100052666	105,136.00	-	(ii) Telephone and Internet	7,917,062.00	3,311,885.00
PNB (Alumni) A/c 6189000100053203	1,835,157.00	-	i) Printing and Stationary	22,251,619.00	13,051,342.00
Total (A)	**4,638,236,733.00**	**2,791,516,661.00**	j)Travelling and Conveyance Expenses :		
			(i) Domestic Travelling	3,899,308.00	8,098,799.00
(B) Inflows			(ii) Foreign Travelling	-	1,428,739.00
INCOME FROM SALES/SERVICE :-			k) Expenses on Fees		
IPD Receipt, Medical Test	180,999,744.00	103,926,397.00	(i) Bank Charges	28,663.00	6,343.00
OPD Receipt			(ii) Bank Charges for LC	-	5,035.00
Receipt against Claim (Ayushman Bharat)	589,973,986.00	274,528,551.00	l) Subscription Expenses(E-	69,756,728.00	39,204,115.00
Sale of Medicines (Jan Aushadhi)	8,157,435.00	3,302,908.00	m) Auditors Remuneration	970,080.00	1,023,725.00
Grant Receipt :-			n) Hospitality Expenses	2,423,770.00	2,797,019.00
GIA - Capital	1,650,000,000.00	2,187,500,000.00	o) Professional Charges		
GIA - General	2,221,700,000.00	3,800,000,000.00	(i) Professional and Special services	4,932,226.00	9,011,507.00
GIA - Salary	2,744,900,000.00	2,530,000,000.00	(ii) Honorarium of Examiners (Professionals)	275,000.00	14,055,809.00
Grant in Aid (Swachhta Action Plan)	20,000,000.00	20,000,000.00	(iii) Quality & Planning	101,800.00	527,960.00
Fund Recd. Karyalay Jila Vikas Adhikari	3,550,000.00	-	p) Advertisement and Publicity	586,946.00	1,434,317.00
GIA-(CCA) PM-ABHIM	126,950,000.00	-	q) Others Expenses		
Grant Received (Research Cell)	-	14,008,121.00	(i) Intramural Research Project Expenses	3,576,296.00	894,939.00
			(ii) Student Welfare	344,214.00	1,803,340.00
Fees and Subscription -			(iii) Stipend to Nursing Students	4,639,100.00	3,993,500.00
b) MBBS Student Course Fees	1,254,000.00	1,557,050.00	(iv) Contingent Expenses	3,476,483.00	9,388,534.00
c) Nursing Student Course Fees	569,900.00	462,000.00	(v) Laundry Expenses	12,354,629.00	6,021,701.00

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d) DM/MCH/MS/MD/PG/PDCC Student Course Fees	7,544,618.00	11,686,684.00	(vi) Dietary Service of Hospital	26,682,129.00	16,860,835.00
e) Student Examination Fees(MBBS & Nursing)	2,915,264.00	1,951,600.00	(vii) Other Office Expenses	1,425,687.00	1,266,494.00
			(viii) Recruitment Cell Expenditure	2,306,791.00	23,186,063.00
INCOME FROM INVESTMENTS :-			(ix) Capacity Building	2,659,806.00	2,209,825.00
Interest on FDR	22,177,145.00	26,750,929.00	(x) Jan Aushadhi Expenditure	109.00	8,027.00
Interest Earned	83,311,254.00	71,514,932.00	(xi) Expenses of Workshop/Seminar	306,182.00	85,409.00
			(xii) Stipend to MBBS Interns & PHD	42,974,790.00	34,480,783.00
Other Income :-			(xiii) Stipend to M.Sc. Nursing Students	4,583,984.00	3,885,000.00
Rent from Chemist Shop	1,500,000.00	4,400,000.00	(xiv) Medical Education Cell Expenses	-	19,890,149.00
Tender Receipt	272,000.00	357,932.00	(xv) Patient Welfare Expenses	808.00	4,090.00
Recruitment Application Fees	3,513,488.00	7,759,211.00	(xvi) Research Cell Expenses	-	13,279,148.00
RTI Fees	2,524.00	2,554.00	(xvii) International Co-operation/Conference Expenses	16,930.00	84,858.00
License Fee & Water Charges	2,842,540.00	3,092,718.00	(xviii) Convocation Expenses	259,190.00	6,976,449.00
Other Receipts (Incl. penalties for Short Notice Period)	42,314,749.00	37,091,745.00	(xix) Expenses for Ayushman Bharat	378,810,805.00	219,627,048.00
Electricity charges Recovery	7,896,117.00	4,682,018.00	(xx) Examination Expenses	199,876.00	-
Rent from Mobile Towers	1,597,200.00	1,893,455.00	(xxi) Expenses Contingency A/c	623,240.00	-
Administration Charges Recd.	2,412,992.00	838,941.00	(xxii) Expenses Guest House Mess	3,880,330.00	-
Other Receipts (Exam Cell)	909,662.00	-	(xxiii) Expenses Exam Cell	18,297,141.00	-
Guest House Rent	873,550.00	197,200.00	r) Expenses on Swachhta Action Plan	188,858.00	6,402,360.00
Rent Received from BSNL	9,200.00	55,200.00	s) Kayakalp Expenses	279,487.00	20,821.00
Forfeiture of Security Deposits / EMD	-	1,758,249.00	t) Capital Expenses		
Donation Received	131,111.00	88,166.00	(i) Office Equipment	13,118,715.00	132,309,328.00
ENT Workshop Rent	125,400.00	130,000.00	(ii) Furniture & Fixture	25,672,379.00	32,854,856.00
Parking Rent Received	750,000.00	2,715,730.00	(iii) Computer	6,862,123.00	36,615,863.00
Canteen Fees	1,500,002.00	833,335.00	(iv) Hospital / Medical Equipment	216,145,500.00	981,991,380.00
ATM Rent Received	569,755.00	820,415.00	(v) Lab Furniture	-	-
Rent from Indus Tower	360,000.00	-	(vi) Library Books	3,015,082.00	2,247,781.00
Sale of Scrap	118,300.00	198,600.00	(vii) Vehicle Purchases	3,276,100.00	-
Misc. Receipt (Jan Aushadhi)	45,319.00	-	(viii) Hospital Furniture	24,941,867.00	16,259,431.00
Facilitation Charges received	4,999,032.00	1,398,325.00	(ix) Capital Work in Progress	7,241,678.00	2,048,373.00
Processing Fee (IRF)	28,100.00	826,714.00	(x) New Civil Works	17,065,776.00	28,223,363.00
Nescafe Shop Rent	606,000.00	151,500.00	(xi) Hospital/Medical Equip From HLL	9,759,183.00	162,291,167.00
Bank Charges Recovered	-	59,484.00	(xii) Equipment under various projects	-	-
Misc. Receipt (Ayushman Bharat)	-	46,021.00	u) Other payments		
Misc. Receipt (Patient Welfare)	1,525,891.00	1,456,457.00	(i) EPF/GPF/GIS Paid	2,687,190.00	3,038,654.00
Receipt (Medical Educational Cell)	-	2,033,604.00	(ii) Imprest paid to Staff	265,000.00	321,100.00
PHD Scholarship Received (Research Cell)	-	126,500.00	(iii) Sewa THDC transfer	-	762,800.00
GST/Labour cess Received	2,745,400.00	2,258,705.00	(iv) GST/Labour Cess paid	1,977,585.00	1,090,276.00
TDS Received	271,085,489.00	248,267,641.00	(v) GST (TDS) Paid	49,160,102.00	48,704,609.00
GST (TDS) Received	45,725,477.00	50,236,534.00	(vi) Postal Tickets(SPS)	12,569.00	513.00
LD Charge and Credit Note on supplies/services	6,858,837.00	4,408,099.00	(vii) Stock of Hospital Consumables	262,445,339.00	98,366,037.00
NPS Payable	266,946,015.00	226,982,956.00	(viii) Security Deposit release (Other)	-	-
Loan from Ayushman Bharat	-	43,903,902.00	(ix) NPS Payable Paid	236,481,967.00	309,633,721.00
Student Security for Hostel (Nursing, MBBS	294,000.00	423,000.00	(x) Forfeiture of Security Deposits paid	127,200.00	-
Receipts Guest House Mess	2,754,284.00	-	(xi) TDS paid	291,021,596.00	228,628,201.00
Advance Received for Patient Treatment	1,168,700.00	1,074,550.00	(xii) Loans to AIIMS Jammu	-	1,000,000.00
Other Withheld Services/Supply	3,442,764.00	45,223,615.00	(xiii) Security deposit release (Works)	7,139,255.00	802,911.00
Security deposit received under Various Work Packages and Works	3,683,804.00	8,719,185.00	(xiv) Contingent/Imprest Advances	9,583,693.00	17,146,420.00
Creditors of Jan Aushadhi	3,560,399.00	-	(xv) LTC Advance Paid	825,886.00	287,684.00
TA/DA Advances	416,242.00	1,785,666.00	(xvi) TA/DA Advances	288,777.00	28,938.00
Other Security deposit for Supply	10,638,655.00	1,715,613.00	(xvii) Claim due (Ayushman Bharat)	171,630,382.00	82,402,350.00
Committed Liability raised for Hospital Equipment/New Civil Works/WIP	30,242,683.00	277,508,049.00	(xviii) Paid to Creditors	51,753,753.00	64,070,140.00
Committed Liability raised for Hospital Consumables/Maintenance/General	309,981,119.00	346,740,845.00	(xix) Advance to CPWD for Works	119,700,000.00	327,600,000.00
Current Liability for Research Cell	34,450,866.00	25,431,569.00	(xx) Debtors of Jan Aushadhi	-	1,143,121.00
Hospital / Medical Equipment From HLL	9,759,183.00	162,291,167.00	(xxi) Advance to Creditors (Ayushman Bharat)	115,146,186.00	-
Claim Received (Ayushman Bharat)	64,175,277.00	-	(xxii) Electricity Security paid	5,118,527.00	9,180,000.00
Received from Debtors (Jan Aushadhi)	429,983.00	-	(xxiii) Advance to BHEL	200,000.00	-
EHS Subscription	16,689,650.00	26,071,943.00	(xxiv) Release of withheld amount under various Work Packages/Services	3,377,268.00	49,364,172.00
LTC Advance Recovered	1,068,050.00	758,115.00	(xxv) Recruitment Cell Advances paid	-	-
Grant Recd. For AIIMS, Vijaypur	26,000,000.00	-	(xxvi) Committed Liability Paid	571,477,059.00	457,087,223.00
Amount Received from Airport Authority of India for LELA- Radiotherapy	-	10,000,000.00	(xxvii) Alumni Membership fee transfer	251,200.00	1,334,000.00
EPF/GPF/GIS Payable Received	3,643,674.00	4,206,307.00	(xxviii) Paid to Creditors (Jan Aushadhi)	-	1,390,531.00
Eye Bank previous balance	46,720.00	-	(xxix) Retirement benefits transferred	3,746,314.00	
Interest received on Rolling fund for HBA & Computer Advances	1,991,664.00	1,950,786.00	(xxx) Loan to AIIMS Main A/c from Ayushman Bharat	-	43,903,902.00
Creditors/Liability Payables	66,961,132.00	78,524,813.00	(xxxi) TDS Deducted	550,533.00	-
Interest Received in Endowment Fund (for poor Patients)	2,380,509.00	3,861,855.00	(xxxii) Paid to Creditors (Research Cell)	50,788.00	26,716,717.00

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EMD Receive	76,914.00	6,488,660.00	(xxxiii) Paid to creditors (IRF)	12,132,078.00	16,735,947.00
Recruitment Cell creditors payable	-	389,076.00	(xxxiv) Loan return to Recruitment cell (Ayushman Bharat)	-	70,000,000.00
Fund Received under various projects	14,316,886.00	-	(xxxv) Grant Transfer to AIIMS, Awantipora	1,000,000.00	-
CM relief fund liability	154,445,721.00	-	(xxxvi) Loan return to Ayushman Bharat	-	176,845,946.00
Amount Received for AIIMS Jammu	-	65,841,943.00	(xxxvii) EMD Paid	1,389,179.00	4,582,040.00
Grant Recd. For AIIMS Awantipora	1,000,000.00	-	(xxxviii) CPCH/URAN fund Expenses	758,500.00	1,155,194.00
ATLS Training program fee collected	353,001.00	-	(xxxix) Advance loan to Ayushman Bharat	-	40,000,000.00
Amount withheld under various Work	2,158,807.00	6,396,751.00	(xl) Grant transfer to AIIMS, Vijaypur	26,000,000.00	872,341,943.00
Loan from Recruitment Cell (Ayushman Bharat)	-	40,000,000.00	(xli) Loans & Advances (Research Cell)	-	50,000.00
Amount Received for VRDL Lab	3,020,360.00	2,250,832.00	(xlii) EHS fund transfer into bank	5,669,941.00	581,055.00
Creditors of Ayushman Bharat	141,576,797.00	100,387,477.00	(xliii) Various fund expenses	9,169,851.00	-
Received from AIIMS Delhi	-	499,500.00	(xliv) Interest Transfer to Consolidated fund of India	654,600,281.00	-
Received from Research Cell	-	374,932.00			
Liability for Patient Welfare A/c	3,672,439.00	24,143,552.00			
Sewa THDC Fund	128,966.00	1,144,200.00			
Electricity Security deposit 2011-12 through capital fund	-	9,180,000.00			
Fund Recd. From SDRF, Uttarakhand	100,000,000.00	32,364,000.00			
Guest House Creditors	-	382,254.00			
Alumni Membership fee collected	113,756.00	1,585,200.00			
Liability (Exam Cell)	36,885,812.00	-			
Research Cell/Patient Wel./MEC previous year capital fund	-	48,830,436.00			
Various funds received IRD/CPCH	-	2,625,092.00			
Imprest/Contingency Advances	1,072,959.00	16,523,406.00			
Advance recovered from Balmer Lawrie	-	561,521.00			
Advance recovered from NICS	836,981.00	2,888,829.00			
Loan recovered (Recruitment Cell)	110,404.00	79,996,596.00			
Loan recovered from AIIMS, Jammu	-	2,001,630.00			
Loan recovered from AIIMS Main A/c (Ayushman Bharat)	-	176,845,946.00			
Fund in projects (HTA, Sewa THDC, NHM, Medal fund, MRU, NUHM, DTC)	3,690,514.00	23,003,061.00			
Leave Encashment received	1,035,692.00	-			
Retirement benefits received	3,628,676.00	-			
Total (B)	**9,394,171,539.00**	**11,337,253,055.00**	**Total (A)**	**8,381,468,340.00**	**9,490,532,983.00**
			(B) Closing Balance		
			PNB (Main) A/c 6189000100021125	3,606,850,935.00	2,522,078,934.00
			PNB (Recruitment) 6189000100021295	59,707.00	51,988.00
			HDFC Bank (FCRA)A/c 50100218515073	4,052,278.00	1,794,711.00
			CELEBI Account	49,620.00	49,620.00
			FDR'S	616,612,451.00	587,932,717.00
			Investments in Bonds/ Securities	35,000,000.00	35,000,000.00
			BOB LC A/c 48410200000022	4,190,867.00	4,547,482.00
			PNB (Service Tax) 6189000100032361	1,799,635.00	655,105,540.00
			PNB (POS) A/c 6189002100000791	188,858,347.00	26,847,529.00
			HDFC Bank LC A/c 50100213887971	23,707,248.00	23,113,240.00
			HDFC Bank (POS) 50100213888030	210,100,990.00	172,342,626.00
			HDFC Bank (IRF) 50100215419202	22,718,104.00	33,893,159.00
			HDFC Bank (Loans & Advances A/c) 50100230665406	58,154,934.00	56,163,288.00
			PNB (Research Cell) 6189000100017557	59,493,584.00	50,331,824.00
			PNB (TDS) A/c 6189000100047372	35,613,936.00	34,545,815.00
			YES Bank (POS) 039194600000530	28,208,696.00	26,776,902.00
			BOB (Endow. Fund) A/c 48410100003328	424,177.00	77,976.00
			HDFC (Recruitment)A/c 50100205840472	12,596,330.00	12,224,775.00
			SBI (Recruitment) A/c no. 36961492287	56,393.00	54,895.00
			PNB (VRDL) A/c 6189000100053124	25,455,587.00	22,435,227.00
			PNB (Jan Aush.) A/c 6189002100001064	5,186,319.00	923,288.00
			YES Bank (Jan Aush.) 039194600000523	-	11,282.00
			PNB (Ayush. Bharat) 6189000100049714	412,065,740.00	278,979,246.00
			YES Bank (Ay.Bharat) 039194600000542	6,956.00	7,535.00
			Cash in Hand (Jan Aushadhi)	27,328.00	23,269.00
			PNB EHS A/c 6189000100058147	39,206,421.00	31,370,262.00
			PNB (Patient Welfare) 6189000100043543	40,117,237.00	33,682,513.00
			PNB (HTA) A/c No.6189000100055317	149,275.00	2,688,833.00
			PNB (Sewa THDC) 6189000100051481	295,718.00	166,752.00
			PNB (NHM) A/c 6189000100042535	4,408.00	4,205.00
			PNB (Medal Fund)A/c 6189000100053966	649,202.00	523,536.00
			PNB (MRU) A/c 6189000100055487	14,374,209.00	12,918,541.00
			PNB (Conting.) A/c 6189000100056334	2,644,171.00	856,401.00

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			PNB (DTC) A/c 6189000100052259	185,555.00	429,483.00
			PNB (Guest House) 6189000100031636	129,758.00	382,254.00
			PNB (NUHM) A/c 6189000100055760	1,436,114.00	4,331,418.00
			PNB (Hosp.Receipt) 6189000100054859	3,736,999.00	3,629,374.00
			PNB (RCH NHM) 6189000100052666	108,170.00	105,136.00
			PNB (Alumni) A/c 6189000100053203	2,032,843.00	1,835,157.00
			PNB (Cashless) A/c 6189000100051861	1,212,651.00	-
			PNB (CGHS) A/c No.6189000100062131	268.00	-
			HDFC (CM Fund) A/c 50100430049337	167,414,020.00	-
			PNB (Exam Cell) A/c 6189000100046878	25,011,627.00	-
			BOB (CSR Fund) A/c 48410100004686	-	-
			PNB (Eye Bank) A/c 6189000100054008	48,100.00	-
			PNB (JME) A/c No 6189000100056486	893,024.00	-
			Total (B)	**5,650,939,932.00**	**4,638,236,733.00**
Total(A+B)	**14,032,408,272.00**	**14,128,769,716.00**	Totak(A+B)	14,032,408,272.00	14,128,769,716.00

Rajiv Gupta
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Prof (Dr) Meenu Singh
Executive Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
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BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

	Schedule	Current Year	Previous Year
CAPITAL FUND AND LIABILITIES			
CAPITAL FUND	1	9,612,531,556.17	8,457,895,565.00
RESERVES AND SURPLUS	2	2,560,180,724.00	3,214,781,005.00
EARMARKED/ ENDOWMENT FUNDS	3	62,254,719.00	59,169,762.00
SECURED LOANS AND BORROWINGS	4	-	-
UNSECURED LOANS AND BORROWINGS	5	-	-
DEFERRED CREDIT LIABILITIES	6	-	-
CURRENT LIABILITIES AND PROVISIONS	7	2,227,569,989.00	1,851,254,484.00
TOTAL		**14,462,536,988.17**	**13,583,100,816.00**
ASSETS			
FIXED ASSETS	8	8,077,875,380.17	7,395,066,173.00
INVESTMENTS-FROM EARMARKED/ENDOWMENT FUNDS	9	111,930,000.00	93,000,000.00
INVESTMENTS-OTHERS	10	561,487,925.00	551,729,795.00
CURRENT ASSETS, LOANS, ADVANCES ETC.	11	5,711,243,683.00	5,543,304,848.00
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)		-	-
TOTAL		**14,462,536,988.17**	**13,583,100,816.00**
SIGNIFICANT ACCOUNTING POLICIES	24	-	-
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25	1,026,888,589.00	1,799,677,404.00

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INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

	Schedule	Current Year	Previous Year
INCOME			
Income from Sales / Services	12	779,249,465.00	381,956,456.00
Grants/Subsidies	13	4,986,600,000.00	6,364,008,121.00
Fees/Subscriptions	14	12,283,782.00	15,657,334.00
Income form Investments (Income on Invest. from earmarked/endow. Funds transferred to Funds)	15	52,973,031.00	40,266,300.00
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	83,311,254.00	71,514,932.00
Other Income	18	76,506,646.00	75,465,324.00
Increase/(decrease) in stock of Finished goods an works-in-progress	19	164,079,302.00	-42,802,825.00
TOTAL (A)		**6,155,003,480.00**	**6,906,065,642.00**
EXPENDITURE			
Establishment Expenses	20	2,955,001,491.00	2,611,312,564.00
Other Administrative Expenses etc.	21	2,929,018,733.00	2,719,517,189.00
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year-end-corresponding to Schedule 8)	8	1,009,475,851.83	1,407,051,266.00
TOTAL (B)		**6,893,496,075.83**	**6,737,881,019.00**
Balance being excess of Income over Expenditure (A-B)		**-738,492,595.83**	**168,184,623.00**
Transfer to Special Reserve (Specify each)			
Transfer to/ from General Reserve		-	168,184,623.00
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND		-738,492,595.83	-
SIGNIFICANT ACCOUNTING POLICIES	24	-	-
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25	1,026,888,589.00	1,799,677,404.00

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SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

	Current Year		Previous Year	
SCHEDULE 1- CAPITAL FUND:				
Balance as at the beginning of the year	8,457,895,565.00	9,612,531,556.17	7,577,072,395.57	8,457,895,565.00
Add:- GIA (CCA) PM-ABHIM for Critical Care Hospital Block	126,950,000.00		-	
Add:- GIA (Creation of Capital Asset) received during the year	1,650,000,000.00		2,187,500,000.00	
Add:- Fund recd. From Chikitsa Nideshalay (SDRF), Uttarakhand	100,000,000.00		32,364,000.00	
Add:- Fund recd. From Airport Authority of India	-		10,000,000.00	
Add:- Balance transfer from Extramural Research Cell	-		24,627,237.00	
Add:- Balance transfer from Patient Welfare A/c	-		6,924,715.00	
Add:- Balance transfer from Medical Education Cell A/c	-		17,278,484.00	
Add:- Security Deposited to UPCL	-		9,180,000.00	
Add:- Fund recd. From Karyalay Jila Vikas Adhikari, D.Dun	3,550,000.00		-	
Add:- Balance transfer from Exam Cell A/c	12,329,372.00		-	
Add:- Guest house previous balance	252,495.00		-	
Add:- Eye Bank previous balance	46,720.00		-	
Less:- Adjustments				
(i) Depreciation of Current Year Transferred to General Reserve	-		1,407,051,266.00	
(ii) Balance of net income/(expenditure) transferred from the Income and Expenditure Account	738,492,595.83		-	
BALANCE AT THE YEAR-END		**9,612,531,556.17**		**8,457,895,565.00**

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SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 2- RESERVES AND SURPLUS:	Current Year		Previous Year	
1. Capital Reserve:				
As per last Account	-		-	
Addition during the year	-		-	
Less: Deductions during the year	-	-	-	-
2. Revaluation Reserve:				
As per last Account	-		-	
Addition during the year	-		-	
Less: Deductions during the year	-	-	-	-
3. Special Reserve:				
As per last Account	-		-	
Addition during the year	-		-	
Less: Deductions during the year	-	-	-	-
4. Excess of Income Over Expenditure		-		-
As per last Account	-		-	
Addition during the year	-		-	
Less: Deductions during the year:				
(i) Transferred to General Reserve	-		-	
4. General Reserve:		2,560,180,724.00		3,214,781,005.00
As per last Account	3,214,781,005.00		1,651,882,640.13	
Addition during the year:				
(i) Surplus Transferred from Income and Expenditure Account of Current year	-		168,184,623.00	
(ii) Depericiation of Current Year transfered from capital Fund	-		1,407,051,266.00	
Less: Deductions during the year:				
(i) Amount transfer to EHS fund	-		12,337,524.00	
(ii) Interest transferred to Consolidated Fund of India	654,600,281.00		-	
TOTAL		**2,560,180,724.00**		**3,214,781,005.00**

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SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

SCHEDUEL 3-EARMARKED/ENDOWMEN FUNDS	FUND-WISE BREAK UP				TOTALS	
	Fund WW	Fund XX	Fund YY	Fund ZZ	Current Year	Previous Year
a) Opening balance of the funds	59,169,762.00				59,169,762.00	54,865,422.00
b) Additions to the Funds:						
i. Donation/grants		-	-	-	-	-
ii. Income from investments made on account of funds	3,084,957.00	-	-	-	3,084,957.00	4,304,340.00
iii. Other additions (specify nature)	-	-	-	-	-	-
Donation received from Airport Authority of India for LELA-Radiotherapy against 10 Crore	-	-	-	-		-
TOTAL (a+b)	62,254,719.00	-	-	-	62,254,719.00	59,169,762.00
c) Utilisation/Expenditure towards objectives of funds						
i. Capital Expenditure						
Fixed Assets	-	-	-	-	-	-
Others	-	-	-	-	-	-
Total	-	-	-	-	-	-
ii. Revenue Expenditure						
Salaries, Wages and allowances etc.	-	-	-	-	-	-
Rent	-	-	-	-	-	-
Other Administrative expenses	-	-	-	-	-	-
Total	-	-	-	-	-	-
TOTAL (c)	-	-	-	-	-	-
NET BALANCE AS AT THE YEAR-END (a+b-c)	**62,254,719.00**	-	-	-	**62,254,719.00**	59,169,762.00

Notes
1) Disclosures shall be made under relevant heads based on conditions attaching to the grants.

2) Plan Funds received from the Central/State Governments are to be shown as separate Funds and not to be mixed up with any other Funds

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SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 4 – SECURED LOANS AND BORROWINGS:	Current Year		Previous Year	
1.Central Government	-	-	-	-
2.State Government (Specify)	-	-	-	-
3.Financial Institutions:				
a) Term Loans	-	-	-	-
b) Interest accrued and due	-	-	-	-
4.Banks:				
a) Term Loans				
Interest accrued and due	-	-	-	-
b) Other Loans (specify)				
Interest accrued and due	-	-	-	-
5.Other Institutions and Agencies	-	-	-	-
6.Debentures and Bonds	-	-	-	-
7.Others (Specify)	-	-	-	-
Total	-	-	-	-

Note: Amounts due within one year

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SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULES 5- UNSECURED LOANS AND BORROWINGS	Current Year	Previous Year
1. Central Government	-	-
2. State Government (Specify)	-	-
3. Financial Institutions	-	-
4. Banks:		
a) Term Loans	-	-
b) Other Loans (specify)	-	-
5. Other Institutions and Agencies	-	-
6. Debentures and Bonds	-	-
7. Fixed Deposits	-	-
8.Others (Specify)	-	-
TOTAL	-	-

Note: Amounts due within one year

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SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 6- DEFERRED CREDIT LIABILITIES:	Current Year	Previous Year
a) Acceptances secured by hypothecation of capital equipment and other assets	-	-
b) Others	-	-
TOTAL	-	-

Note: Amounts due within one year

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SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 7- CURRFENT LIABILITIES AND PROVISIONS	Current Year	Previous Year
A. CURRENT LIABILITIES		
1. Acceptances	-	-
2. Sundry Creditors:		
a) For Goods	-	-
b) Others	-	-
3. Advances Received		
4. Interest accrued but not due on:		
a) Secured Loans/borrowings	-	-
b) Unsecured Loans/borrowings	-	-
5. Statutory Liabilities:		
a) Overdue	-	-
b) Others:		
(i) Labour Cess Payable	-	22,003.00
(ii) TDS (I.T.) Payable	4,205,815.00	24,150,371.00
(iii) EPF Payable including deputation staff	458,755.00	189,070.00
(iv) GST Payable	7,498,618.00	2,098,879.00
(v) TDS (GST) Payable	4,576,221.00	8,014,368.00
(vi) TDS (GST) Payable (Ayushman Bharat)	8,451.00	47,654.00
(vii) TDS (IT) Payable (Ayushman Bharat)	8,449.00	-
6. Other current Liabilities		
a) NPS Payable	56,535,480.00	26,071,432.00
b) Withheld Amount under various Work Packages	65,082,093.00	64,664,397.00
c) Other Withhelds Services/ Supply	17,155,434.00	15,348,828.00
d) Security Deposite under Various Work Packages	23,197,771.00	26,653,222.00
e) Other Security Deposite Works/ Supply	23,793,077.00	13,154,422.00
f) Security for Hostel (Nursing Student)	829,000.00	698,000.00
g) Security for Hostel (MBBS Students)	1,191,000.00	1,071,000.00
h) Security for Hostel (MS/MD/PG/DM/M.CH/PDCC Students)	4,911,000.00	4,868,000.00
i) Amount Received for Patients Treatment	2,654,595.00	1,485,895.00
j) Amount Forfeited Pkg-I and Others (Pending for Settlement)	54,032,368.00	54,159,568.00
k) Performance Guarantee Amount Received	13,100.00	13,100.00
l) Committed Lgbility for Hospital Equipment/New Civil Work/WIP	271,877,921.00	459,709,390.00
m) Creditors for IRF	9,686,276.00	21,818,354.00
n) Creditors/Liability for Research Cell	34,594,117.00	25,289,106.00
o) Other Creditors	436,536.00	103,630.00
p) GPF/GIS payable	2,274,492.00	1,589,443.00
q) Receipts from NHM for IGNOU Bridgestudent Course	568,938.00	568,938.00
r) Committed Liability for Hospital Consumables/Maintenance/General	304,071,262.00	339,779,678.00
s) Other Current Liability	64,130,692.00	18,413,918.00
t) Received from National Health Mission (Accomodation for Delegates)	58,444.00	58,444.00
u) Amount Received for Research Project	999,200.00	999,200.00
v) Liability Exam Cell	24,556,440.00	-
w) Amount Received for Establishment of VRDL Lab	25,455,587.00	22,435,227.00
x) Creditors of Jan Aushadhi	5,321,167.00	1,760,768.00
y) Liability CM Relief fund	154,445,721.00	-
z) Creditors of Ayushman Bharat	142,053,514.00	476,717.00
aa) Salary payable	211,432,922.00	175,675,771.00
ab) EHS on Deputation Payable	237,050.00	235,300.00
ac) Fund recd. from Uttarakh. State Blood Transfusion council & Biochemistry	178,602.00	171,223.00
ad) Fund recd. from Ministry of Ayush	-	4,153.00
ae) Liability for Patient Welfare A/c	27,815,991.00	24,143,552.00
af) EMD recd. against various works	594,355.00	1,906,620.00
ag) Alumni fee payable	-	251,200.00
ah) Payable to HLL	90,291,451.00	80,532,268.00
ai) Fund in various projects (HTA, Sewa THDC, NHM, Medal fund, MRU, NUHM, DTC, RCH Flexi NHM, JME)	21,257,439.00	23,003,061.00
aj) Guest House Mess Creditors	129,758.00	382,254.00
ak) Electricity bill payable	5,561,014.00	6,961,167.00
TOTAL (A)	1,664,180,116.00	1,448,979,591.00
B. PROVISIONS		
1. For Taxation	-	-
2. Gratuity	237,930,767.00	149,011,365.00
3. Superannuation/Pension	-	-
4. Accumulated Leave Encashment	218,516,307.00	159,332,102.00
5. Trade Warranties/Claims	-	-
6. Others		
a) Salary payable	-	-
b) Provision of Rolloing fund for HBA & Computer Advances	58,094,678.00	56,103,014.00
c) Provision of Rolloing fund for Endowment Fund (for Poor Patients)	-	-
d) GPF/GIS payable on Deputation staff	-	-
e) Medical Facility Subscription (EHS)	48,848,121.00	37,828,412.00
TOTAL (B)	563,389,873.00	402,274,893.00
TOTAL (A+B)	2,227,569,989.00	1,851,254,484.00

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES
RISHIKESH, UTTARAKHAND 249203

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

SCHEDULE 8- FIXED ASSETS (PART-A)

(A) Fixed Assets (Own Purchased)

(Amount-Rs.)

Fixed Assets	Rate %	Gross Block				Depreciation			Net Block	
		Opening Balance	Addition Before Sep.	Addition After Sep.	Total Gross Block	Opening Balance	Addition During the Year	Total Depreciation	Current Year	Previous Year
FURNITURE & FIXTURE	10.00%	221,946,108.00	24,624,723.00	1,047,656.00	247,618,487.00	69,233,457.75	17,786,120.13	87,019,577.87	160,598,909.13	152,712,650.25
OFFICE EQUIPMENTS	15.00%	478,655,429.00	10,152,434.00	2,966,281.00	491,774,144.00	149,027,992.13	51,189,451.71	200,217,443.84	291,556,700.16	329,627,436.87
COMPUTER	40.00%	208,658,188.50	6,533,055.00	329,068.00	215,520,311.50	143,709,345.84	28,658,572.66	172,367,918.51	43,152,392.99	64,948,842.66
HOSPITAL / MEDICAL EQU	40.00%	4,452,019,660.53	122,289,238.00	93,856,263.00	4,668,165,161.53	2,750,133,860.31	748,441,267.89	3,498,575,128.20	1,169,590,033.33	1,701,885,800.22
HOSPITAL FURNITURE	10.00%	246,808,765.00	24,941,867.00	-	271,750,632.00	64,834,250.38	20,691,638.16	85,525,888.55	186,224,743.45	181,974,514.62
LAB FURNITURE	10.00%	5,146,955.00	-	-	5,146,955.00	2,821,326.24	232,562.88	3,053,889.12	2,093,065.88	2,325,628.76
LIBRARY BOOKS	40.00%	24,456,366.00	2,999,171.00	15,911.00	27,471,448.00	16,271,839.57	4,476,661.17	20,748,500.74	6,722,947.26	8,184,526.43
INSTITUTE VEHICLE	15.00%	6,426,202.00	3,276,100.00	-	9,702,302.00	3,796,154.66	885,922.10	4,682,076.76	5,020,225.24	2,630,047.34
NEW CIVIL WORK	10.00%	200,817,044.00	8,627,581.00	8,438,195.00	217,882,820.00	30,787,951.83	18,287,577.07	49,075,528.90	168,807,291.10	170,029,092.17
CAPITAL WORK IN PROGRESS (payments under various packages)	Nil	4,488,917,750.00	1,818,668.00	1,370,609,666.00	5,861,346,084.00	-	-	-	5,861,346,084.00	4,488,917,750.00
Total		**10,333,852,468.03**	**205,262,837.00**	**1,477,263,040.00**	**12,016,378,345.03**	**3,230,616,178.72**	**890,649,773.76**	**4,121,265,952.48**	**7,895,112,392.57**	**7,103,236,290.33**

(B) Fixed Assets (Purchase through HLL)

Fixed Assets	Rate %	Gross Block				Depreciation			Net Block	
		Opening Balance	Addition Before Sep.	Addition After Sep.	Total Gross Block	Opening Balance	Addition During the Year	Total Depreciation	Current Year	Previous Year
HOSPITAL - MEDICAL EQU	40.00%	1,583,684,632.65	711,442.00	9,047,741.00	1,593,443,815.65	1,291,854,749.98	118,826,078.07	1,410,680,828.05	182,762,987.60	291,829,882.67
Total		**1,583,684,632.65**	**711,442.00**	**9,047,741.00**	**1,593,443,815.65**	**1,291,854,749.98**	**118,826,078.07**	**1,410,680,828.05**	**182,762,987.60**	**291,829,882.67**
Grand Total (A)+(B)		**11,917,537,100.68**	**205,974,279.00**	**1,486,310,781.00**	**13,609,822,160.68**	**4,522,470,928.70**	**1,009,475,851.83**	**5,531,946,780.53**	**8,077,875,380.17**	**7,395,066,173.00**

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RISHIKESH, UTTARAKHAND 249203

SCHEDULE FORMING NOT PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

SCHEDULE 8- FIXED ASSETS (PART-B)

(B) Fixed Assets (Under Sponsorship by Extramural Research Projects)

(Amount-Rs.)

Fixed Assets	Rate %	Gross Block				Notional Depreciation			Net Block	
		Opening Balance	Addition		Total Gross Block	Notional Depreciation Opening Balance	Addition During the Year	Total Notional Depreciation	Current Year	Previous Year
			Before Sep.	After Sep.						
RESEARCH PROJECTS										
COMPUTERS	40.00%	-	54,933.00	-	54,933.00	-	21,973.20	21,973.20	32,959.80	-
OFFICE EQUIPMENT	15.00%	1,789,436.00	1,194,756.00	18,164.00	3,002,356.00	134,208.00	428,859.90	428,859.90	2,573,496.10	1,655,228.00
HOSPITAL EQUIPMENT	40.00%	869,396.00	9,524,340.00	-	10,393,736.00	173,880.00	4,087,942.40	4,087,942.40	6,305,793.60	695,516.00
NUHM-A/C										
FURNITURE	10.00%	-	129,490.00	20,234.00	149,724.00	-	13,960.70	13,960.70	135,763.30	-
HOSPITAL EQUIPMENT	40.00%	-	59,972.00	47,882.00	107,854.00	-	33,565.20	33,565.20	74,288.80	-
MRU										
HOSPITAL EQUIPMENT	40.00%	-	-	3,250,655.00	3,250,655.00	-	650,131.00	650,131.00	2,600,524.00	-
Total		**2,658,832.00**	**10,963,491.00**	**3,336,935.00**	**16,959,258.00**	**308,088.00**	**5,236,432.40**	**5,236,432.40**	**11,722,825.60**	**2,350,744.00**

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RISHIKESH, UTTARAKHAND 249203

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

	Current Year	Previous Year
SCHEDULE 9-INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS		
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares	-	-
4. Debentures and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Others		
FDR's (Sweep-in) in Bank of Baroda	111,930,000.00	93,000,000.00
TOTAL	111,930,000.00	93,000,000.00

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RISHIKESH, UTTARAKHAND 249203

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

	Current Year	Previous Year
SCHEDULE 10- INVESTMENTS OTHERS		
1. In Government Securities	-	-
2. Other approved Securities		
a) UTI Long Term Equity Fund Growth	5,250,000.00	5,250,000.00
3. Shares	-	-
4. Debentures and Bonds		
a) RBI 8% Savings Taxable Gold Bonds 2003	29,750,000.00	29,750,000.00
5. Subsidiaries and Joint Ventures	-	-
6. Others :		
a) FDR in HDFC Bank	78,645,909.00	78,249,312.00
b) FDR in Punjab National Bank	330,422,542.00	311,729,405.00
c) Accrued Interest (PNB FDR)	17,369,142.00	19,173,407.00
d) Accrued Interest (HDFC FDR)	3,623,177.00	2,136,037.00
e) SBI Swipe FDR (Recruitment Cell)	609,000.00	609,000.00
f) PNB Sweep FDR (Recruitment Cell)	94,825,000.00	90,515,000.00
g) PNB Sweep FDR (POS swipe A/c)	180,000.00	13,830,000.00
h) Accrued Interest (Recruitment Cell)	108,707.00	45,149.00
i) Accrued Interest BOB Sweep-in FDR	704,448.00	442,485.00
TOTAL	**561,487,925.00**	**551,729,795.00**

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES
RISHIKESH, UTTARAKHAND 249203

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 11- CURRENT ASSETS, LOANS, ADVANCES ETC.	Current Year		Previous Year	
A. CURRENT ASSETS:				
1. Inventories:		262,457,908.00		98,366,550.00
a) Stores and Spares: -				
i) Postal and service Stamps	12,569.00		513.00	
ii) Consumables Material Stores & Supplies, Medicines	262,445,339.00		98,366,037.00	
b) Loose Tools	-		-	
c) Stock-in-trade:				
Finished Goods	-		-	
Work-in-progress	-		-	
Raw Materials	-		-	
2. Sundry Debtors:		-		-
a) Debts Outstanding for a period exceeding six months	-		-	
b) Others	-		-	
3. Cash balances in hand (Jan Aushadhi)	27,328.00	27,328.00	23,269.00	23,269.00
4. Bank Balances:		4,999,300,153.00		4,015,280,747.00
a) With Scheduled Banks:				
a) PNB (Main A/c) A/c No.6189000100021125	3,606,850,935.00		2,522,078,934.00	
b) Bank of Baroda LC A/c No.48410200000022	4,190,867.00		4,547,482.00	
c) PNB (Recruitment) A/c No.6189000100021295	59,707.00		51,988.00	
d) PNB EHS A/c No.6189000100058147	39,206,421.00		31,370,262.00	
e) CELBI A/c	49,620.00		49,620.00	
f) HDFC Bank (FCRA) A/c No.50100218515073	4,052,278.00		1,794,711.00	
g) PNB (Service Tax) A/c No.6189000100032361	1,799,635.00		655,105,540.00	
h) PNB (POS) A/c No.6189002100000791	188,858,347.00		26,847,529.00	
i) HDFC Bank LC A/c No.50100213887971	23,707,248.00		23,113,240.00	
j) HDFC Bank (POS) A/c No.50100213888030	210,100,990.00		172,342,626.00	
k) HDFC Bank (IRF) A/c No.50100215419202	22,718,104.00		33,893,159.00	
l) HDFC Bank (Loans & Advances) A/c No.50100230665406	58,154,934.00		56,163,288.00	
m) PNB (Research Cell) A/c No.6189000100017557	59,493,584.00		50,331,824.00	
n) PNB (TDS) A/c No.6189000100047372	35,613,936.00		34,545,815.00	
o) YES Bank (POS) A/c No.039194600000530	28,208,696.00		26,776,902.00	
p) HDFC (Recruitment) A/c No.50100205840472	12,596,330.00		12,224,775.00	
q) SBI (Recruitment A/c) A/c No.36961492287	56,393.00		54,895.00	
r) Bank of Baroda (Endowment Fund) A/c No.48410100003328	424,177.00		77,976.00	
s) PNB (VRDL) A/C No.6189000100053124	25,455,587.00		22,435,227.00	
t) PNB (Jan Aushadhi) A/C No.6189002100001064	5,186,319.00		923,288.00	
u) YES Bank (Jan Aushadhi) A/C No.039194600000523	-		11,282.00	
v) PNB (Ayushman Bharat) A/C No.6189000100049714	412,065,740.00		278,979,246.00	
w) YES Bank (Ayushman Bharat) A/C No.039194600000542	6,956.00		7,535.00	
x) PNB (Patient Welfare) A/c No.6189000100043543	40,117,237.00		33,682,513.00	
y) PNB (HTA) Project-A/c No.6189000100055317	149,275.00		2,688,833.00	
z) PNB (SEWA THDC) A/c No.6189000100051481	295,718.00		166,752.00	
aa) PNB (NHM Uttarakhand) Project-A/c No.6189000100042535	4,408.00		4,205.00	
ab) PNB (Medal Fund) A/c No.6189000100053966	649,202.00		523,536.00	
ac) PNB (MRU) Project-A/c No.6189000100055487	14,374,209.00		12,918,541.00	
ad) PNB (Contingency) A/c No.6189000100056334	2,644,171.00		856,401.00	
ae) PNB (DTC) Project-A/c No.6189000100052259	185,555.00		429,483.00	
af) PNB (Guest House) A/c No.6189000100031636	129,758.00		382,254.00	
ag) PNB (NUHM) Project-A/c No.6189000100055760	1,436,114.00		4,331,418.00	
ah) PNB (Hospital Receipt) A/c No.6189000100054859	3,736,999.00		3,629,374.00	
ai) PNB (RCH Flexi Pool NHM) Project-A/c No.6189000100052666	108,170.00		105,136.00	
aj) PNB (Alumni) A/c No.6189000100053203	2,032,843.00		1,835,157.00	
ak) PNB (Cashless Facility) A/c No.6189000100051861	1,212,651.00		-	
al) PNB (CGHS) A/c No.6189000100062131	268.00		-	
am) HDFC (CM Relief Fund) A/c No.50100430049337	167,414,020.00		-	
an) PNB (Exam Cell) A/c No.6189000100046878	25,011,627.00		-	
ao) Bank of Baroda (CSR Fund) A/c No.48410100004686	-		-	
ap) PNB (Eye Bank) A/c No.6189000100054008	48,100.00		-	
aq) PNB (JME) A/c No.6189000100056486	893,024.00			
b) With non-Scheduled Banks:				
On Current Accounts	-		-	
On Deposit Accounts	-		-	
On Savings Accounts	-		-	
5. Post Office- Savings Accounts	-	-	-	-
TOTAL (A)		**5,261,785,389.00**		**4,113,670,566.00**

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES
VIRBHADRA MARG, RISHIKESH, UTTARAKHAND, 249201

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 11- CURRENT ASSETS, LOANS, ADVANCES ETC. (Contd.)	Current Year		Previous Year	
B. LOANS, ADVANCES AND OTHER ASSETS				
1. Loans:		-		-
a) Staff	-		-	
b) Other Entities engaged in activities/objectives similar to that of the Entity	-		-	
c) Other (specify)	-		-	
2. Advances and other amounts recoverable in cash or in kind or for value to be received:		200,688,389.00		1,318,067,190.00
a) On Capital Account	-		-	
b) Prepayments				
(i) Advance to JMC (I) Ltd. against RA Bill			-	
(ii) Advance to HLL for supply of Hopital Equipment			-	
(iii) Advance to CPWD (Deposit Work)	-		1,245,686,656.00	
(iv) Secured Advances given Contractor's of various Work Packages	25,295,992.00		25,295,992.00	
(v) Amount Recoverable from JMC Projects (I) Ltd. Under Pkg- II & IV	5,326,164.00		5,326,164.00	
(vi) Accrued Interest on Amount Recoverable from JMC Projects (I) Ltd. Under Pkg- II & IV	485,259.00		485,259.00	
c) Others				
(i) Imprest with Faculty/Staff	2,100,361.00		1,975,361.00	
(ii) Contingency Advances	25,109,592.00		16,508,858.00	
(iii) LTC Advances to Staff	277,369.00		519,533.00	
(iv) GAS Security	28,550.00		28,550.00	
(v) Security with NDLC (FDR)	2,000.00		2,000.00	
(vi) TA/DA Advances	211,808.00		339,273.00	
(vii) Electricity Security	20,358,859.00		15,155,871.00	
(viii) Imprest for Bone Bank	450,000.00		450,000.00	
(ix) Recruitment Cell Advances	94,331.00		204,735.00	
(x) Advances to Balmer Lowrie & Co.	1,244,694.00		1,244,694.00	
(xi) Advance to S&S Engineering	838,072.00		838,072.00	
(xii) Advance to NICS (SAP)	-		836,981.00	
(xiii) TDS Deducted at Source	609,486.00		58,953.00	
(xiv) Other Advances	500,000.00		50,000.00	
(xv) Deposit against appeal with Uttarakhand Trade Tax Department	500,000.00		500,000.00	
(xvi) VAT Receivable	3,915.00		3,915.00	
(xvii) Debtors of Jan Aushadhi	839,555.00		1,269,537.00	
(xviii) GST Input/Output (Jan Aushadhi)	118,862.00		89,452.00	
(xix) Advance to Creditors (Ayushman Bharat)	115,146,186.00		-	
(xx) Advance to Sriram Institure of Industrial Research	141,600.00		141,600.00	
(xxi) Loans & Advances (Research Cell)	-		50,000.00	
(xxii) Advance to Creditors (Recruitment Cell)	1,005,734.00		1,005,734.00	
3. Income Accrued:		29,747,708.00		-
a) On Investments from Earmarked/Endowment Funds	-		-	
b) On Investments-Others	-		-	
c) On Loans and Advances	-		-	
d) Others	-		-	
(i) Accrued Receipts	29,747,708.00			
4. Claims Receivable (Ayushman Bharat)		219,022,197.00		111,567,092.00
TOTAL (B)		**449,458,294.00**		**1,429,634,282.00**
TOTAL (A+B)		**5,711,243,683.00**		**5,543,304,848.00**

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES
RISHIKESH, UTTARAKHAND 249203

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 12-INCOME FROM SALES/SERVICES	Current Year	Previous Year
1) Income from sales		
a) Sale of Medicines/Disposables (Jan Aushadhi)	8,157,435.00	3,302,908.00
b) Sale of Raw Material	-	-
c) Sale of Scraps	118,300.00	198,600.00
2) Income from Services		
a) Labour and Processing Charges	-	-
b) Professional/Consultancy Service:		
(i) IPD Receipt, OPD Receipts, Medical Tests Receipts	180,999,744.00	103,926,397.00
(ii) Claim received against Patient Treatment (Ayushman Bharat)	589,973,986.00	274,528,551.00
c) Agency Commission and Brokerage	-	-
d) Maintenance Services (Equipment/Property)	-	-
e) Others (Specify)	-	-
TOTAL	**779,249,465.00**	**381,956,456.00**

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

	Current Year	Previous Year
SCHEDULE 13- GRANTS/SUBSIDIES (Irrevocable Grants & Subsidies Received)		
1) Central Government:		
a) Grant in Aid (General)	2,221,700,000.00	3,800,000,000.00
b) Grant in Aid (Salary)	2,744,900,000.00	2,530,000,000.00
c) Grant in Aid (Swachhta Action Plan)	20,000,000.00	20,000,000.00
2) State Government(s)	-	-
3) Government Agencies	-	-
4) Institutions/Welfare Bodies	-	-
5) International Organisations	-	-
6) Others (Specify)	-	-
a) Grants Received in Research Cell (Extramural)	-	14,008,121.00
TOTAL	**4,986,600,000.00**	**6,364,008,121.00**

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 14- FEES/SUBSCRIPTIONS	Current Year	Previous Year
1) Entrance Fees	-	-
2) Annual Fees/Subscriptions:		
a) MBBS Student Course Fees	1,254,000.00	1,557,050.00
b) Nursing Student Course Fees	569,900.00	462,000.00
c) DM/MCH/MS/MD/PG/PDCC Student & Diploma Course Fees	7,544,618.00	11,686,684.00
d) Students Examination/Enterence Fees	2,915,264.00	1,951,600.00
3) Seminar/Program Fees	-	-
4) Consultancy Fees	-	-
5) Others	-	-
TOTAL	**12,283,782.00**	**15,657,334.00**

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 15- INCOME FROM INVESTMENTS (Income on Invest. from Earmarked/Endowment Funds transferred to Funds)	Investment from Earmark Fund		Investment- Others	
	Current Year	Previous Year	Current Year	Previous Year
1) Interest				
a) On Govt. Securities	-	-	-	-
b) Other Bonds/Debentures	-	-	-	-
c) Bank FDR	-	-	-	-
i) Bank of Baroda LC A/c FDR	-	-	-	-
ii) Interest on Punjab National Bank FDR	-	-	100,442.00	12,468,261.00
iii) Interest on HDFC Bank FDR	-	-	722,110.00	4,442,090.00
iv) Accrued Interest on PNB FDR	-	-	17,369,142.00	19,173,407.00
v) Accrued Interest on HDFC Bank FDR	-	-	1,487,140.00	2,136,037.00
vi) Accrued Interest on Security Deposit to UPCL	-	-	84,461.00	2,001,356.00
vii) Accrued Interest on PNB FDR (Recruitment Cell)	-	-	108,707.00	45,149.00
2) Dividends:				
i) On Shares	-	-	-	-
ii) On Mutual Fund Securities	-	-	-	-
3) Rents	-	-	-	-
i) Rent from Mobile Towers	-	-	1,597,200.00	-
ii) Guest House Rent	-	-	873,550.00	-
iii) Rent From Medical Shop	-	-	1,500,000.00	-
iv) Rent Received from BSNL	-	-	9,200.00	-
v) ENT Workshop Rent	-	-	125,400.00	-
vi) Rent from Indus Tower	-	-	360,000.00	-
vii) Parking Rent Received	-	-	750,000.00	-
viii) Canteen Rent	-	-	1,500,002.00	-
ix) ATM Rent Received	-	-	569,755.00	-
x) Nescafe Shop Rent	-	-	606,000.00	-
xi) Accrued Receipts	-	-	25,209,922.00	-
4) Others (Specify)	-	-	-	-
Interest on Endowment/Earnmarked Fund	3,084,957.00			
TOTAL	3,084,957.00	-	52,973,031.00	40,266,300.00
TRANSFERRED TO EARMARKED/ ENDOWMENT FUNDS TO SCHEDULE-3	3,084,957.00	-		

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES
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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

	Current Year	Previous Year
SCHEDULE 16- INCOME FROM ROYALTY, PUBLICATION ETC.		
1) Income from Royalty	-	-
2) Income from Publications	-	-
3) Others		
TOTAL	-	-

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

	Current Year	Previous Year
SCHEDULE 17- INTEREST EARNED		
1) On Term Deposits:		
a) With Scheduled Banks:		
(i) Bank Interest	-	-
b) With Non-Scheduled Banks	-	-
c) With Institutions	-	-
2) On Savings Accounts:		
a) With Scheduled Banks	83,311,254.00	71,514,932.00
b) With Non-Scheduled Banks	-	-
c) With Institutions	-	-
d) Others	-	-
3) On Loans:		
a) Employees/Staff	-	-
b) Others:	-	-
	-	-
4) Interest on Debtors and Other Receivables	-	-
TOTAL	**83,311,254.00**	**71,514,932.00**

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 18- OTHER INCOME	Current Year	Previous Year
1) Profit on Sale/disposal of Assets:		
a) Owned assets	-	-
b) Assets acquired out of grants, or received free of cost	-	-
2) Export Incentives realized	-	-
3) Fees for Miscellaneous Services:		
a) Tender Application Fees	272,000.00	357,932.00
b) RTI Application Fees	2,524.00	2,554.00
c) Recruitment Application Fees	3,513,488.00	7,759,211.00
4) Miscellaneous Income		
a) Electricity Charges Recovery	7,896,117.00	4,682,018.00
b) Licence & Water Charges Recovery	2,842,540.00	3,092,718.00
c) Rent from Mobile Towers	-	1,893,455.00
d) Guest House Rent	-	197,200.00
e) Rent From Medical Shop	-	4,400,000.00
f) Other Receipts (Incl. Penalties for Short Notice Period, Recoveries)	42,314,749.00	37,091,745.00
g) Rent Received from BSNL	-	55,200.00
h) Forfieture of Security Deposits / EMD	-	-
i) ENT Workshop Rent	-	130,000.00
j) Rent from Indus Tower	-	-
k) Parking Rent Received	-	2,715,730.00
l) Canteen Rent	-	833,335.00
m) ATM Rent Received	-	820,415.00
n) Facilation Charges on Sales of Amrit Pharmacy	4,999,032.00	1,398,325.00
o) Processing Fee (IRF)	28,100.00	826,714.00
p) LD Charges and Credit Note from supplies/services	6,858,837.00	4,408,099.00
q) Donation Received	131,111.00	88,166.00
r) Nescafe Shop Rent	-	151,500.00
s) Bank Charges Recovered	-	59,484.00
t) Misc. Receipt (Ayushman Bharat)	-	46,021.00
u) Misc. Receipt (Patient Welfare)	1,525,891.00	1,456,457.00
v) Misc. Receipt (Medical Educational Cell)	-	2,033,604.00
w) PHD Scholarship/Course Fee Received (Research Cell)	-	126,500.00
x) Administration/Overhead Charges Received	2,412,992.00	838,941.00
y) Misc. Receipt (Jan Aushadhi)	45,319.00	-
z) Receipts (Guest House Mess)	2,754,284.00	-
aa) Other Receipts (Exam Cell)	909,662.00	-
TOTAL	**76,506,646.00**	**75,465,324.00**

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

	Current Year	Previous Year
SCHEDULE 19- INCREASE/(DECREASE) IN STOCK OF FINISHED GOODS &WORK IN PROGRESS		
a) Closing stock		
Finished Goods	262,445,339.00	98,366,037.00
Work-in-progress	-	-
b) Less: Opening Stock		
Finished Goods	98,366,037.00	141,168,862.00
Work-in-progress	-	-
NET INCREASE/(DECREASE) [a-b]	**164,079,302.00**	**-42,802,825.00**

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE –20 ESTABLISHMENT EXPENSES	Current Year	Previous Year
a) Salaries and Wages:		
(i) Salary	2,523,670,747.00	2,273,886,249.00
b) Allowances and Bonus:		
(i) Childern Education Allowance	7,958,696.00	3,570,702.00
c) Contribution to Provident Fund	-	-
d) Contribution to Other Fund :		
(i) Pension and Leave Salary Contribution (Deputation Employees)	-	653,867.00
(ii) National Pension System & Others Contribution (Employer's Contribution)	133,560,282.00	113,262,400.00
(iii) EPF Contribution	479,277.00	188,792.00
e) Staff Welfare Expenses:		
(i) Medical Reimbursement	-	969,853.00
f) Expenses on Employees Retirement and Terminal Benefits		
(i) Provision for Gratuity	89,037,040.00	40,506,974.00
(ii) Provision for Leave Encashment	58,148,243.00	71,465,290.00
g) Others		
(i) Leave Travel Concession	8,254,682.00	8,341,113.00
(ii) Learning Resourses Allowance	34,804,197.00	27,982,034.00
(iii) Lease Rent for Accomodation	71,246,279.00	70,057,348.00
(iv) Leave Salary Paid	27,842,048.00	427,942.00
TOTAL	**2,955,001,491.00**	**2,611,312,564.00**

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 21- OTHER ADMINISTRATIVE EXPENSES ETC.	Current Year	Previous Year
a) Purchases:		
(i) Consumables Material Stores & Supplies	1,128,405,848.00	975,347,144.00
(ii) Purchase of Medicines & Disposables (Jan Aushadhi)	7,907,929.00	2,208,727.00
b) Labour and processing expenses:		
(i) Wages to labours	-	-
(ii) Hiring of Manpower (Outsource manpower, House keeping & Security, Hospital support services)	925,542,819.00	1,014,350,690.00
c) Cartage and Carriage Inwards	-	-
d) Electricity and power:		
(i) Electricity Charges	130,553,514.00	127,306,404.00
(ii) Fuel for Genset	5,545,962.00	1,880,178.00
e) Water charges	-	-
f) Insurance:		
(i) Vehicle Insurance	-	-
g) Repairs and maintenance:		
(i) Machineries/Computers and Equipment	26,565,865.00	12,953,197.00
(ii) Other Minor Works (Including R&M of Building)	74,679,721.00	62,008,105.00
h) Excise Duty	-	-
i) Rent, Rates and Taxes: (Including Lease Rent Accommodation)		
(i) Rent, Rates and Taxes	155,480.00	296,461.00
(ii) Lease Rent Accommodation		48,088,807.00
j) Vehicles Running and Maintenance:		
(i) Vehicle Hiring Charges	7,836,687.00	9,980,451.00
(ii) Fuel for Vehicles	59,068.00	469,846.00
(iii) Maintenance Expenses	468,934.00	184,837.00
(iv) Fuel for Machines	75,850.00	-
k) Postage, Telephone and Communication Charges:		
(i) Postage Charges	190,989.00	116,374.00
(ii) Telephone and Internet	7,917,062.00	3,311,885.00
l) Printing and Stationary	22,251,619.00	13,051,342.00
m) Travelling and Conveyance Expenses :		
(i) Domestic Travelling (Incl. TTA)	3,899,308.00	8,098,799.00
(ii) Foreign Travelling	-	1,428,739.00
n) Expenses on Seminar/Workshops	306,182.00	85,409.00
o) Subscription Expenses(E-Journals/Journals/Periodicals etc.)	69,756,728.00	39,204,115.00
p) Expenses on Fees		
(i) Bank Charges	28,663.00	6,343.00
(ii) Bank Charges for LC	-	5,035.00

Cont....

q) Auditors Remuneration	970,080.00	1,023,725.00
r) Hospitality/Entertainment Expenses	2,423,770.00	2,797,019.00
s) Professional Charges		
(i) Professional and Special services inclu.Arbitration & Legal fees)	4,932,226.00	9,011,507.00
(ii) Honorarium of Examiners (Professionals)	275,000.00	14,055,809.00
(iii) Examination Expenses	199,876.00	-
t) Provision for Bad and Doubtful Debts/Advances	-	-
u) Irrecoverable Balances Written-off	-	-
v) Packing Charges	-	-
w) Freight and Forwarding Expenses	-	-
x) Distribution Expenses	-	-
y) Advertisement and Publicity	586,946.00	1,434,317.00
z) Expenses on Swachhta Action Plan		
(i) Horticulture and Hospital Upkeeping	15,720.00	-
(ii) Infection Control	45,200.00	-
(iii) Mechanized Cleaning Service	-	6,402,360.00
(iv) Swachhta Awareness at Local Level, Display & Banners	127,938.00	-
za) Kayakalp Expenses	279,487.00	20,821.00
zb) Others (specify)		
(i) Intramural Research Project Expenses	3,576,296.00	894,939.00
(ii) Student Welfare	344,214.00	1,803,340.00
(iii) Stipend to B.Sc. Nursing Students	4,639,100.00	3,993,500.00
(iv) Contingent Expenses	3,476,483.00	9,388,534.00
(v) Laundry Expenses	12,354,629.00	6,021,701.00
(vi) Dietary Service of Hospital	26,682,129.00	16,860,835.00
(vii) Other Office Expenses	1,425,687.00	1,266,494.00
(viii) Recruitment Cell Expenditure	2,306,791.00	23,186,063.00
(ix) Capacity Building (Including International Co-operation)	2,659,806.00	2,209,825.00
(x) Stipend to MBBS Interns & PHD	42,974,790.00	34,480,783.00
(xi) Stipend to M.Sc. Nursing Students	4,583,984.00	3,885,000.00
(xii) Quality and Planning	101,800.00	527,960.00
(xiii) International Co-operation/Conference Expenses	16,930.00	84,858.00
(xiv) Convocation Expenses	259,190.00	6,976,449.00
(xv) Jan Aushadhi Expenses	109.00	8,027.00
(xvi) Ayushman Bharat Patient Treatment Expenses	361,326,635.00	209,262,152.00
(xvii) Ayushman Bharat General Expenses	17,484,170.00	10,364,896.00
(xviii) Medical Education Cell Expenses	-	19,890,149.00
(xix) Patient Welfare Expenses	808.00	4,090.00
(xx) Extramural Research Expenses	-	13,279,148.00
(xxi) Expenses Contingency A/c	623,240.00	-
(xxii) Guest House Mess Expenses	3,880,330.00	-
(xxiii) Exam Cell Expenses	18,297,141.00	-
TOTAL	**2,929,018,733.00**	**2,719,517,189.00**

Rajiv Gupta
AO

Comdt. P.K. Mishra
FA

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

SCHEDULE 22- EXPENDITURE ON GRANTS, SUBSIDIES ETC.	Current Year	Previous Year
a) Grants given to Institutions/Organisations	-	-
b) Subsidies given to Institutions/Organisations	-	-
TOTAL	-	-
Note - Name of the Entities, their Activities along with the amount of Grants/Subsidies are to be disclosed.		

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2022

(Amount-Rs.)

	Current Year	Previous Year
SCHEDULE 23 INTEREST		
a) On Fixed Loans	-	-
b) On Other Loans (including Bank Charges)	-	-
c) Others (specify)	-	-
TOTAL	-	-

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SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE PERIOD ENDED 31st March, 2022

SHEDULE 24- SIGNIFICANT ACCOUNTING POLICIES

1. **ACCOUNTING CONCEPTS**

1.1 The financial statement is prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.

2. **INVENTORY VALUATION**

2.1 Stores and Spares (including machinery spares) are valued at cost.

3. **Investment**

3.1 Investments are shown in the book at original cost.

4. **Revenue Recognition**

4.1 Grants-in-Aid (GIA) are accounted on receipt basis, and the unspent balances of Grants and Miscellaneous Receipts are carried forward to next financial years through transfer it into General Reserve.

4.2 Excess of expenditure during the FY over GIA received are made from balance of unutilized grant of previous FY which was lying in General reserve.

4.3 Interest, Rent and other receipts are treated as income of the Institute and accounted for on actual receipt basis.

4.4 Interest on investments has been accounted for on accrual basis.

5. **Fixed Assets & Depreciation**

(A) Fixed Assets

5A.1 Fixed Assets & Consumables register are maintained in the required format given under GFR 40.

5A.2 The fixed assets are stated at Cost of acquisition is inclusive of inward freight, duties and taxes and other incidental expenses.

5A.3 Assets received as centralized purchases from the HLL Lifecare Limited are treated as assets of the Institute and valued at cost.

5A.4 No assets have been revalued during the year.

5A.5 Land for which payments have been made directly to State Govt. (Uttarakhand) by the Ministry of Health & Welfare have not been shown in books of accounts.

5A.6 Assets purchased under various extramural projects are shown in Sch.8 (B).

(B) Depreciation

5B.1 Depreciation on Fixed Assets is charged at the rates prescribed under Income Tax Act, 1961 on written-down value method.

5B.2 Assets costing less than Rs.5000 depreciated at the rate of 100%.

5B.3 On the assets shown in Sch.8 (B) depreciation has been charged notionally till completion of project.

6. **Retirement Benefits**

6.1 The Institute's contributions towards National Pension System are charged from the Grant-in-Aid (Salary) as and when incurred.

6.2 The Institute also provides gratuity and leave encashment benefits to the employees, which is funded through a grant received from the Govt. of India under the head salary. The liability in respect of gratuity and leave encashment up to the end of year 2021-22 is determined by the Institute on actuarial basis and subject to investment in Government securities as per the notification dated 24/01/2015 issued by Ministry of Finance, Government of India.

Notes to the Accounts: -

1. During the year Institute has received following Grants from Ministry of Health & Family Welfare, GOI: -

Nature of Grant	Amount (Rs. In Crore)
GIA (Salary)	274.49
GIA (General)	222.17
GIA (Capital)	165.00
GIA (CCA) PM-ABHIM	12.69
GIA (Swachhta Action Plan)	2.00
Total	**676.35**

2. During the financial year Rs 1.39 crore were transferred, for opening L/Cs into HDFC Bank for purchase of Machinery and Consumables from abroad.
3. As and when fund transferred for opening of Letter of Credit (LC) into bank for payment of Equipment expenditure is booked in AIIMS Equipment A/c.
4. Contribution to National Pension System of Employees has been shown in liability as NPS payable, since PRAN of new employees is under process.
5. Provision towards gratuity payable on death/retirement of employees is accrued based on actuarial valuation.
6. Provision for accumulated leave encashment to the employees is accrued and computed on actuarial basis.
7. GIA (Creation of Capital Assets) received during the F.Y. 2021-22 Rs. 177.69 crore has been directly depicted under Capital Fund (Schedule-1) for apparent matching with utilization certificate.
8. During the FY 2021-22 new accounts have been added in books of account as shown under Sch.11 A. (Current Assets), SL No.4 (ak to aq).
9. Investments under Bonds, Securities & equity funds are taken in books on principal value due to uncertain market cost fluctuations.
10. Bank balance under BOB Endowment fund also includes part of other income i.e. penalties, charges received from students/staff.
11. The Institute is exempted from Income Tax, hence no TDS is applicable on income from interest.

Rajiv Gupta	Comdt. P.K. Mishra	Prof (Dr) Meenu Singh
AO	FA	Executive Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
RISHIKESH, UTTARAKHAND 249203

SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE PERIOD ENDED 31st March, 2022

SCHEDULE 25-CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

1. CONTINGENT LIABILITIES

1.1 Claims against the Entity not acknowledged as debts Rs.102,68,88,589.00 which includes claim of arbitration Rs. 8,14,00,000 & Rs. 72,08,15,589 of M/s Omax Ltd. For package-1 and claim of arbitration of Rs. 22,46,73,000/- of M/s JMC Projects (India) Ltd. For package-II/IV (Previous year Rs. 179,96,77,404).

1.2 In respect of:- Bank guarantees given by/on behalf of the Entity-Rs.____**Nil**_____(Previous year Rs.____**Nil**_____).
- Transfer amount during the year for open Letters of Credit by Bank on behalf of the Entity-Rs. 1,39,25,986/- (Previous year Rs. 63,92,769/-).
- Bills discounted with banks Rs._**Nil**_____(Previous year Rs.____**Nil**_____).

1.3 Disputed demands in respect of:
Income-tax Rs. ___**Nil**_____ (Previous year Rs.____**Nil**_____).
Sales tax Rs._____**Nil**_____(Previous year Rs.____**Nil**_____).
Municipal Taxes____**Nil**_____(Previous year Rs.___**Nil**_____).

1.4 In respect of claims from parties for non-execution of orders, but contested by the Entity-Rs.____**Nil**_____(Previous year Rs._____**Nil**_____).

2. CAPITAL COMMITMENTS

Estimated value of contracts remaining to be executed on capital account and not provided for (net of advances)
Rs._____**Nil**_____(Previous year Rs._____**Nil**_____).

3. LEASE OBLIGATIONS

Future obligations for rentals under finance lease arrangements for plant and machinery amount to Rs._**Nil**_____ (Previous year Rs.____**Nil**_____).

4. CURRENT ASSETS, LOANS AND ADVANCES

In the opinion of the Management, the current assets, loans and advances have a value on realisation in the ordinary course of operation, equal at least to the aggregate amount shown in the Balance Sheet.

5. TAXATION

In view of there being no taxable income under Income-tax Act 1961, no provision for Income tax has been considered necessary.

6. FORGIEN CURRENCY TRANCACTIONS

		(Amounts-Rs.)
	Current Year	**Previous Year**
6.1 Expenditure in foreign currency:		
a) Travel	Nil	Nil
b) Remittances and Interest payment to Financial Institution/Banks in Foreign Currency	Nil	Nil
c) Other expenditure:		
- Commission on Sales	Nil	Nil
- Legal and Professional Expenses	Nil	Nil
- Miscellaneous Expenses	Nil	Nil

6.2 Earnings:

Value of Exports on FOB basis

6.3 Remuneration to auditors:

As Auditors		
- Taxation matters	Nil	Nil
- For Management service	Nil	Nil
- For Certification	Nil	Nil

6.4 Other

Corresponding figures for the previous year have been regrouped/rearranged, wherever necessary.

Schedules 1 to 25 are annexed to and formed an integral part of Balance Sheet as on 31st March 2022 and the Income and Expenditure Accounts for the year ended on that date.

Rajiv Gupta	**Comdt. P.K. Mishra**	**Prof (Dr) Meenu Singh**
AO	**FA**	**Executive Director**

Patron

Prof Meenu Singh
Executive Director & CEO
AIIMS, Rishikesh

Member of Annual Report Committee

- **Dr. Vartika Saxena**, Professor& HOD, Department of Community and Family Medicine, AIIMS Rishikesh - Chairperson
- **Dr. Manisha Naithani**, Additional Professor, Department of Biochemistry, AIIMS Rishikesh – Co-Chairperson
- **Dr. Ruchi Dua**, Additional Professor, Department of Pulmonary Medicine, AIIMS Rishikesh– Co-Chairperson
- **Dr. Rashmi Malhotra**, Additional Professor, Department of Anatomy, AIIMS Rishikesh - Member
- **Dr. Monika Pathania**, Associate Professor, Department of Internal Medicine, AIIMS Rishikesh- Member
- **Ms. Prasunna Jelly**, Assistant Professor, Nursing College, AIIMS Rishikesh- Member- Member
- **Dr. Jayanti Pant**, Assistant Professor, Department of Physiology, AIIMS Rishikesh- Member
- **Dr. Daljit Kaur**, Assistant Professor, Department of Transfusion Medicine & Blood Bank, AIIMS Rishikesh- Member
- **Dr. Lokesh Saini**, Assistant Professor, Department of Pulmonary Medicine, AIIMS Rishikesh- Member
- **Lt. Col W.S. Siddarth**, Financial Advisor, AIIMS Rishikesh- Member
- **Mrs. Neera Tiwari**, Sr. Hindi Officer, Rajbhasa Prakoshth, AIIMS Rishikesh (Hindi translation)
- **Mr. Krishna Prasad Sharma**, Medical Record Clerk, AIIMS Rishikesh (Hindi/English Editing& compilation)

Administrative Support

- **Lt. Col. Achyut Ranjan Mukherjee**, Dy Director (Admin), AIIMS Rishikesh
- **Shri Shashi Kant**, Rajbhasha Adhikari & Senior Administrative Officer, AIIMS Rishikesh



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All India Institute of Medical Sciences
Rishikesh