



**All India Institute of Medical Sciences (AIIMS),  
Rishikesh**

in Association with

**Indian Association of Respiratory Care (IARC)**  
is Organizing an E-course



# **Fundamentals of Respiratory Care in COVID-19**

For Healthcare Professionals

A structured webinar covering all the standards and components  
of respiratory care in COVID-19 management

**3<sup>rd</sup> & 4<sup>th</sup> July 2021**

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[www.iarc.in](http://www.iarc.in)



[info@iarc.in](mailto:info@iarc.in)





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# **FUNDAMENTALS OF RESPIRATORY CARE IN COVID-19**

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**Inaugural Ceremony**

**3rd & 4th July 2021**

**Time : 04.00 PM - 07.00 PM**

## **About AIIMS**

All India Institute of Medical Sciences, Rishikesh (AIIMS Rishikesh) is an Autonomous Medical Institution, under the Ministry of Health and Family Welfare. It is one of the Institutes of National Importance in India. The Department of Pulmonary Medicine of AIIMS Rishikesh is a tertiary care department, which caters to around 150 outdoor patients on a daily basis, with an indoor capacity of 30 beds inclusive of 8 bedded fully equipped Respiratory ICU, and 22 bedded High Dependency Unit. The Department is equipped with a full-fledged Interventional Pulmonology suite and Diagnostic centre with all the advanced technologies. The Pulmonary Medicine Department is offering Academic programs like DM and MD Programs in Pulmonary Medicine, BSc Respiratory Therapy, and BSc Sleep Technology. The BSc RT Program was introduced 2 years back with an annual intake of 4 students. It is a 4-year program including an internship. The curriculum of the BSc RT program is standardized as per the International norms with the collaboration of Indian Academy of Respiratory Care, the Academic wing of Indian Association of Respiratory Care.

## **About IARC**

Indian Association of Respiratory Care (IARC), is the sole Professional Association of Respiratory Therapy Professionals and Students of India, ever since it was established in 2006. The Academic wing of IARC, the Indian Academy of Respiratory Care was instituted within the governance of the Society aiming at the enhancement of academic, clinical and research activities of its members. As a part of supporting the COVID-19 National taskforce, IARC, and the Academy is regularly involved in conducting E-Courses, Webinars, and other academic programs, tailored to the scope of multidisciplinary healthcare professionals, in association with various Hospitals and Universities across the Country.

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**\*\*E-Certificates will be provided to the delegates who attend the full session on both the days**





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# FUNDAMENTALS OF RESPIRATORY CARE IN COVID-19

DAY  
1

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Oxygen Therapy- A Practical  
Guide for Healthcare Professionals



**Jithin K Sreedharan**

BSc RT, MSc RT, (Ph.D.), FISQua  
General Secretary- Indian Association of Respiratory Care  
Governor for India- International Council for  
Respiratory Care

High Flow Nasal Oxygen in  
COVID-19



**Moumita Chakraborty**

BScRT, MScRT  
Lecturer / Clinical Coordinator, Dept. Respiratory Therapy  
Narayana Hrudayalaya Institute of Allied Health Sciences,  
Narayana Health City - Bengaluru

Non- invasive Ventilation  
in COVID-19



**Dr. Debendra Kumar Tripathy**

MBBS DNB MNAMS  
Additional Professor  
Department of Anesthesiology  
Vice-Dean (Innovation) - AIIMS Rishikesh

Aerosolized Medications in  
COVID-19 Patients



**Madhuragauri Shevade**

BSc RT, MSc RT, (Ph.D.)  
Associate Vice President- Indian Association of Respiratory Care  
Vice-Chair- Indian Academy of Respiratory Care  
Associate Editor in Chief- Indian Journal of Respiratory Care

## Panel Discussion

Theme: Multi-Disciplinary Respiratory Care in COVID-19

Moderators



**Dr. Lokesh Kumar Saini**

MD  
Assistant Professor, Pulmonary Medicine  
All India Institute of Medical Sciences, Rishikesh - India



**Tisha Ann Skariah**

BSc RT, MSc RT (PhD)  
Vice Chair- Indian Academy of Respiratory Care  
Director- RT Department, Kanad Hospital, Al-Ain, UAE

## Panelists



**Dr. Vivek Kumar**

MD, DNB, IFCCM, EDIC, EDEC  
Chief Intensivist, Department of Critical Care,  
Sir H. N. Reliance Foundation Hospital and  
Research Centre, Mumbai



**Dr. C Vasantha Kalyani**

Ph.D. RN, Associate Professor  
Principal College of Nursing - AIIMS



**Surbhi Thapliyal**

MPT (Cardio-Pulmonary and ICU)  
Physiotherapist - PMR Department, AIIMS



**Daniel D. Rowley**

MSc, RRT, RRT-ACCS, RRT-NPS, RPFT, FAARC  
President, International Council for Respiratory Care  
Clinical Coordinator - Pulmonary Diagnostics & RT Services  
University of Virginia Medical Center, USA



**Aakash Soni**

BScRT, MScRT  
Senior Respiratory Therapist  
SL Raheja Hospital- Mumbai

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**DAY  
2**

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## Airway Management in COVID-19



**Dr. Manjush Karthika**

BSc RT, MSc RT, PhD, FISQua  
Chair- Indian Academy of Respiratory Care  
Program Lead- Respiratory Care  
Khawarizmi International College, Abu Dhabi, UAE.

## Mechanical Ventilation in COVID-19: The Basics



**Rujuta Bagade**

BSc RT, MSc RT  
Senior Respiratory Therapist  
SL Raheja Hospital, Mumbai

## Mechanical Ventilation- A Simulation Based Tutorial



**Musallam Al Nasser**

BSc RT, MSc RT, CHSOS, CRT, FNIV  
Head of Simulation Operation Unit  
Prince Sultan Military College of Health Sciences  
Ministry of Defence and Aviation, Kingdom of Saudi Arabia.

## Respiratory Care in Pediatric COVID-19 Patients



**Mrudula M. Sawadkar**

BSc RT, MSc RT  
Assistant Professor  
Department of Respiratory Therapy,  
Manipal College of Health Professions, Manipal

## Prone Positioning in COVID-19 Patients



**Dr. Prakhar Sharma**

M.D Pulmonary Medicine  
Assistant Professor  
Department of Pulmonary Medicine,  
AIIMS Rishikesh

## Pulmonary Rehabilitation and Home Care in COVID-19



**Renugadevi Selva  
Cheeman**

BSc RT, DCCT  
Sr. Respiratory Therapist and  
Pulmonary Rehab Coordinator, Chennai

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