

BRIEF OF CURRICULUM VITAE

Name : **Prof. (Dr.) Raj Kumar**
Father's Name : **Late Sri Chhote Lal**
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Date and place of Birth : 15th December 1959, Kanpur, India



Academic Qualifications:

Examination	Board /University	Year of Passing	Attempt
Matriculation	U. P. Board, Allahabad	1976	1 st
Intermediate	U. P. Board, Allahabad	1978	1 st
B.Sc.	Kanpur University, Kanpur	1980	1 st
M.B.B.S.	GSVM Medical College, Kanpur	1985	1 st
M. S.	GSVM Medical College, Kanpur	1990	1 st
M. Ch	AIIMS, New Delhi	1993	1 st
PhD.	Neuro Ayurveda, Lucknow University	2013	-
FRCS & MRCS	Royal colleges of surgeons USA	2008	-
FASET	Academy of Sci. engine. & Techno.	2010	-
FAMS	National Academy of medical Science	2013	-
F.N.S.	Neurological Surgeons Society of India	2015	-

INNOVATIONS IN INTERNATIONAL LITERATURE

1. Kumar and Kalra Clinical Scoring for Atlantoaxial dislocation.
2. Coined the new entity of Complex Spina bifida and short out its outcome.
3. Coined the new entity of Spina Bifida Multiplex and short out its outcome.
4. Kumar's Criteria's for External hydrocephalus.
5. Kumar's Criteria's for PostTraumatic Effusion in Children.
6. Kumar& Kalra Scoring for Brain Stem Lesions.
7. Established and started basic lab in clinical department of Neurosurgery with help of Neurological Surgeon's society of India.
8. MMP Genes in Northern Indian malignant gliomas.

RESEARCH WORK AWARDED:

1. Singhal N, **Kumar R**, Mahapatra AK. Spectrum of Distal Renal Tubular Acidosis in children with Spinal Dysraphism. UPNEUROCON 2007 at Mussoorie (Silver Medal).
2. Vaid VK, **Kumar R**, Behari S, Jaiswal AK, Mahapatra AK. Complex of aneurysms, UPNEUROCON 2007 at Mussoorie (Gold Medal).
3. **Kumar R**, Vaid VK, Kalra SK, Mahapatra AK. Outcome of congenital atlantoaxial dislocation in traumatic group. 16th Annual Conference of Neurotrauma Society of India at Gwalior, MP (Bronze).

4. **Kumar R.** Primary Spinal Primitive Neuroectodermal Tumor: Case Series and Review of the Literature. Conferred on February 25, 2007, Sayaji Hotel, Indore, Madhya Pradesh [India].
5. **Kumar R.** Outcome of Meningomyelocele Lipomeningomyelocele in Children in Northern India. Conferred on February 25, 2007, Sayaji Hotel, Indore, Madhya Pradesh [India].
6. **Kumar R,** Kalra SK. Importance of posterior diameter in atlanto axial dislocation CME and Ind Spn Conference PGI Chandigarh 2nd -4th Nov. 2007 Travel fellowship award to Dr Samir Kalra.
7. **Kumar R,** Garg P. Multiple tethering malformations CME and Ind Spn At PGI Chandigarh 2nd -4th Nov 2007. (2nd prize).
8. Srivastava S, Arya A, **Kumar R,** Mahapatra AK, Roy R, Khetrapal CL. H NMR spectroscopic studies of tissue, and body fluids in human brain tumors. Best paper award in NMR conference at New Delhi in Jan 2008.
9. **Kumar R,** Kalra SK, Mahapatra AK. A clinical scoring system for neurological assessment of high cervical myelopathy: Measurements in pediatric patients with congenital atlantoaxial dislocations, Neurosurgery, (V.61, No. 5), pp 987-997, Nov.2007.
10. Mehrotra A, **Kumar R,** Srivastava AK. Clinical Radiological profile & outcome of patients of pediatric intracranial aneurysm in Neurovascular conference- Oct 2011 at AIIMS New Delhi (2nd prize).
11. Kumar M, **Kumar R,** Nag VL, Mourya AK, Babu SG, Dhole TN. Rapid detection of *Mycobacterium tuberculosis* complex in spinal aspirate from cases of Pott's spine: applicability of PCR, BACTEC culture and Microscopy. National conference on biotechnology for sustainable development, DBT CONSUSD-11, 15th to 16th Nov, 2011.(Best poster presentation)
12. Kumar M, **Kumar R,** Srivastava AK, Nag VL, Babu S: Efficiency of PCR, BACTEC culture and microscopy for early recognition of mycobacterium tuberculosis in Pott's Spine. First Neurosurgical Surgeons' Society of India (NSSI) conference at Pune from 2nd - 4th March 2012. (3rd Prize in Poster presentation).
13. Kawal P, **Kumar R,** Chandra A, Srivastava AK, Sahu RN: Association of MMP-1 gene polymorphism with glioblastoma in Northern Indian population. First Neurosurgical Surgeons' Society of India (NSSI) conference at Pune from 2nd - 4th March 2012. Young Neurosurgeons. (First Prize in Poster).
14. Mehrotra A, **Kumar R,** Srivastava AK, Sahu RN: Pediatric GBM. First Neurosurgical Surgeons' Society of India (NSSI) conference at Pune from 2nd - 4th March 2012. Young Neurosurgeons Award paper. (3rd Prize).
15. Das KK, **Kumar R,** Srivastava AK, Sahu RN: Pediatric AVM SM Gd 1, 2, 3-. First Neurosurgical Surgeons' Society of India (NSSI) conference at Pune from 2nd - 4th March 2012. Young Neurosurgeons Award paper. (2nd Prize).
16. Manoj Kumar, **Raj Kumar;** Rapid detection of mycobacteria tuberculosis complex in spinal aspirate from cases of pott's spine. 2nd poster award at national biotechnology conference, 15th to 16th November, 2011.
17. P Kawal, A Negi, **Raj Kumar;** Manifestations of Spina Bifida in CME of spina bifida by Academy of Medical Sciences at AIIMS, Rishikesh on 27th April, 2013.
18. **26 Awards** to students on presentations of my work at scientific forum.

PUBLICATIONS: TOTAL-392

1. Journals : **a)** International : 229 **b)** National: 24
2. Chapter in Books : 139
3. Books (6+1): Pediatric Neurosurgery, Brain Hemorrhage, Head injury, Pineal gland & Melatonin, Neurosurgery review.
4. Papers under review : 30

5. Reviewed a book on Pediatric neurosurgery, by M. Coux, Di Rocco etc.
6. Prepared cover pages of 6 international scientific journals.
7. Reviewed book of European Neurosurgery.

RECOGNITIONS BY INTERNATIONAL & NATIONAL SCIENTIFIC BODIES:

1. Appointed as **Regional Director & Honorary Professor** for the **Royal College of Physicians & Surgeons, USA** in 2012.
2. Appointed **President**, Neurological Surgeon Society of India (2015).
3. Nineteen recognizable works by different contributions in science excluding land mark publications.
4. Appointed **Director**, AIIMS Rishikesh, Uttarakhand in July, 2012.

AWARDS:

1. **Baba Saheb B.R. Ambedkar Excellence**, National Award by Hon'ble Sri Arjun Singh & Mrs. Sheela Dixit, December 2005 at New Delhi, for International level work in Pediatric Neurosurgery in India.
2. **Vigyan Ratna** in year 2006-2007 by (**Council of Science and Technology, UP**)-on 26.3.08, India.
3. **Vigyan Gaurav Samman** in year 2007- 2008 (**Council of Science and technology, UP**).
4. **Shalya Sree** national award conferred at Surat Garh by Sdbhawna Sanstahn Rajasthan Suratgarh Sriganga Nagar on 24th sept 2007.
5. Molecular Award for **Neurological researcher** 2007.
6. **Ratna Shree** Samman-2007 by Ratna Prakash memorial trust Gorakhpur on 25.01.07.
7. Letter of appreciation(**Prasasti Patra**) from Hon'ble speaker of Assembly of UP government on 17.2.08.
8. Letter of appreciation (**Prasasti Patra**) by Bhartiya Baudh Mahasabha Kanpur.
9. Certificate of Recognition from **Moroccan Society of Neurosurgery-** Rabat, Morocco on 10.05.2009.
10. **U P Ratan** Samman for year 2009 by All India intellectual federation of India.
11. **Ambedkar National Award 2009.**
12. Honored by **Bhartiya Baudha Mahasabha** on 12.9.2010 at C.S.A University, U.P.
13. **Sir Sriram Memorial Award for year 2010** for the best Published Work on Community Medicine (Community Health), Medical Education & Hospital Administration by National Academy of Medical Sciences (India).
14. **Silver Jubilians Award** (1959-1964) of Gems Association International for National & International work- 25 Dec, 2010 at GSVM Medical College, Kanpur.
15. **Bhojpuri Gaurav Award** by Akhil Bharteeya bhoj Puri Samaj on 01/11/11.
16. **Best Teacher of Indo German skill development** courses at AIIMS New Delhi in 2011.
17. **Awarded by Governor of Uttarakhand** for special contribution in International Yoga festival on 10.03.2013 at Rishikesh.
18. **Vishisht Sewa Samman** by **Devbhumi Uttaranchal Udhog Vyapar Mandal (Reg.), Uttarakhand** for special contribution in the field of Medicine on 13-01-2014 at Rishikesh.
19. **Uttarakhand Ratan Award** for year 2014 by All India Conference of Intellectuals (AICOI) on 20th April 2014 at Dehradun, Uttarakhand.
20. **Dr. S. Janaki Memorial Oration** for year 2014-15 for outstanding contributions in the field of Pediatric Neurosurgery by NAMS-India.
21. **The Great Son of India Award** for year 2015 by All India Conference of Intellectuals (AICOI) for the recognition of the distinguished services to the society at Large on 26th April 2015 at Dehradun, Uttarakhand.
22. **Ayurveda Siromani Award** by Rog Niwaran Sewadham, New Delhi conferred at International Ayurveda & Environment Conference on 28th September 2015 at Thano Doon Ghati, Dehradun.

23. **Gold Medal** by Ayurveda Vigyan Sansthan, New Delhi in International Ayurveda Conference on 28th September 2015 at Dehradun.

PRESTIGIOUS MEMBERSHIPS:

1. Member of 08 International & other National Societies.
2. National Academy of Sciences, India (Allahabad).
3. National Academy of Medical Sciences of India, New Delhi.

CONFERENCE PRESENTATIONS & PROCEEDINGS:

1. International : **17**
2. National : **120**
3. Chaired 4 International and many national scientific sessions.
4. Chief Guest and guest of honor : **68**

FELLOWSHIP & VISITING FACULTY

1. Fujita Health University, Japan December 1999.
2. University Sains Malaysia, Kubang Kerian, Kelantan, Malaysia 2005
3. Visiting Professor, S.M.S. Medical College, Jaipur [India], March 2007.
4. Visited as faculty to hospitals at Japan, Canada, and France.

EDITORS:

1. Member of editorial board of Child Nervous System (CNS) Germany.
2. Worked as Asian Editor for Journal of Pediatric Neurology 5yrs.
3. Member of editorial board of Journal of Pediatric Infectious Diseases.
4. Member of Editorial Board of Journal of Tumor, Sheung Wan, Hongkong , 4 other journals.
5. Consultant Editor in J. K. Sciences, India.
6. Referee of 16 International and 6 national Journals.

AS A TEACHER:-

1. Working hard to enhance a new AIIMS as centre of excellence.
2. International Teacher in Pediatric Neurosurgery approved by international society for Pediatric Neurosurgery (ISPN).
3. Supervised all the research & training to the neurosurgery trainees during last 18 years.
4. Guided several Ph. D students in Neurosciences research.
5. Working hard to increase academic activity in Nation as secretary to Neurological Surgeon's society of India (NSSI).
6. Trained 55 super specialists in Neurosurgery who are serving throughout the country and world.

SOCIAL WORK:

1. Nearly in 26 types of social activities I have been directly involved.

ADMINISTRATIVE CUM ACADEMIC APPOINTMENT:

1. Created basic lab in clinical dept.
2. Developed subspecialty of Pediatric and Onco-neurosurgery at SGPGI.
3. Examination Superintendent of Institute for different PG/DM/M.Ch. Entrance exams from 1998 to May 2001.
4. Member of the governing body of SGPGI, year 2005-2007.
5. Full time member of 3 International and 10 National societies.
6. Expert in many selection committees like Nurses, Technicians, Scientists, Engineers, Ministerial staff etc.

7. Expert and member of second departmental promotion committee of institute in year 2001-2002.
8. Member & chairman in many inquiry committees of institute.
9. Expert/advisor (Neurosurgery) of Uttaranchal Public Service Commission.
10. Expert in UGC & NAAC.
11. Expert of MCI for inspection of Medical colleges.
12. Chief of Trauma Centre SGPGI, Lucknow.
13. Operated nearly 10,000 complicated neurosurgical cases.

SUMMARY OF ADMINISTRATIVE EXPERIENCE:

1. Examination Superintendent of Institute for different PG/DM/M.Ch. Entrance exams from 1998 to May 2001.
2. Member of Pre-purchase & need evaluation committee of SGPGI institute in year 1999 to July 2012.
3. Expert in many selection committees i.e. Nurses, Technicians, Scientists, Engineers, Ministerial staff etc.
4. Expert and member of second departmental promotion committee of institute in year 2001-2002.
5. Member & chairman in many enquiry committees of SGPGI institute.
6. Expert/advisor (Neurosurgery) of Uttaranchal Public Service Commission.
7. Expert/Advisor (Neurosurgery) Uttar Pradesh Public Service Commission.
8. Started subspecialty of Pediatric Neurosurgery as a part of department of Neurosurgery at Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow.
9. Chairman of Vigilance Committee of SGPGI Institute from 05.12.2008.
10. Chairman of Screening Committee (for appointments to Assistant Professor in different departments) of Institute from 31.01.2009.
11. Joined as a Head of Department of Neurosurgery SGPGIMS, Lucknow wef. 25.01.2010.
12. Chairman of Enquiry committee- Dr. Aruna Bhaarti.
13. Chairman of Dr.'s Cafeteria SGPGIMS.
14. Upgraded renovated the Neurosurgery Intensive Care Unit (NSICU) with the current state of the out form.
15. Upgraded the department of Neurosurgery after taking charge as Head of the Department, increasing the sanctioned strength of paramedical staff.
16. Introduce the Post Doctoral fellowship course in Neurosurgery for the first time in India in **(a)** Pediatric Neurosurgery and **(b)** Onconeurology.
17. Started one more operation theater SGPGIMS.
18. Procured important pending equipment-Neurosurgery, department SGPGIMS
19. Renovated ICU area and corridor putting gates and restrictions Neurosurgery, department SGPGIMS
20. Renovated Head of department's office- Neurosurgery department SGPGIMS.
21. Made an office for senior most Professors (Prof. A.K.Mahapatra) in the Neurosurgery, department SGPGIMS
22. Renovated O.T.(2010) Neurosurgery, department SGPGIMS.
23. Renovated Dr.'s Cafeteria.(2010)
24. Equipped all O.T. with Microscope.(2010)
25. Member in selection committee of appointment of director for Uttar Pradesh Rural Medical Science & Research Institute, Safai, Etawah.
26. As a chairman vigilance committee, SGPGI, Lucknow (Dec 2008 to 22.07.2012):
 - Done many enquiries at the level of Institute.

27. As Chief trauma centre SGPGIMS (15 January 2009 to 22.07.2012):
- Studied and approved the map of the site.
 - Construction started and completed under direct supervision.
 - Creation of posts under process.
 - Process of starting trauma centre was nearly complete when left..

PUBLICATIONS (References from 01- 392 Papers):

1. **Kumar R**, Tanwar RK, Sudarshan DV, Ramesh R, Sharma V. Mehta S, Rathi GK. Neurofibrosarcoma of brachial plexus: a case report. *J Clinical Radiother Oncol*. 1992; 7: 40-3.
2. **Kumar R**, Tanwar RK, Dinda AK, Chandra S, Banerjee AK, Rath GK. Choroid plexus papilloma of CP angle: a case report. *Clin Radiother Oncol*. 1994; 9: 52-55.
3. **Kumar R**, Mahapatra AK, Das HH. The blink reflex before and after percutaneous glycerol rhizotomy in patients with trigeminal neuralgia: a prospective study of 28 patients. *Acta Neurochir (wien)*. 1995; 137(1-2): 85-88.
4. **Kumar R**, Upadhaya P, Kumar S. Development of multiple tubercular abscesses following ventriculoperitoneal shunt for Post Tuberculous meningitis hydrocephalus: a case report. *Journal of Indian Medical Association*. 1997; 95: 437.

1998

5. **Kumar R**. Atypical response to chemotherapy in neurotuberculosis. *British Journal of Neurosurgery*. 1998; 12(4): 344-347.
6. **Kumar R**, Sharma R, Tyagi I. Spontaneous evacuation of cerebellar abscess through the middle ear: a case report. *Neurosurg Review*. 1998; 21: 66-68.
7. **Kumar R**, Krishnani N, Jain VK. Third ventricle choroid plexus papilloma with head tremors, *Neurology India*. 1998; 46: 323-325.
8. **Kumar R**. Dolichoectasia of basilar artery: a cause of trigeminal neuralgia and hemorrhage: short report. *Neurology India*. 1998; 46: 337-343.
9. **Kumar R**. (Nov.1998). Tubercular brain abscesses Child's Nervous System. (CNS), (abstracted in international journal); 1998 (Nov).

1999

10. **Kumar R**, Mukherjee KK. Aneurysmal bone cysts of the skull: Report of three cases. *British J. Neurosurg*. 1999; 13: 82-84.
11. **Kumar R**, Saxena S, Ambesh SP, Saxena HN. Pneumocephalus and convulsion after ventriculoscopy: a potentially catastrophic complication: a case report. *J Neurosurg Anesthesiol*. 1999; 11: 200-202.
12. **Kumar R**, Behari S, Wahi J, Banerji D, Sharma K. Peduncular hallucinosis: an unusual complication to surgical intervention in the suprasellar region. *British J. Neurosurgery*. 1999; 13: 500-503.
13. **Kumar R**, Jain VK, Krishnani N. Choroid plexus Papilloma of C. P. angle with extension to foramen magnum: a case report. *Neurology India*. 1999; 47: 71-73.
14. **Kumar R**. Primary malignant rhabdoid tumors of brain, Clinicoradiological findings two cases. *Neurology India*. 1999; 47: 314-317.
15. **Kumar R**, Sharma KH, Chhabra DK. Association of lower cranial nerve schwannoma with spinal ependymoma in? NF 2: a case report. *Neurology India*. 1999; 47: 145-147.
16. **Kumar R**. Unilateral hydrocephalus in Pediatric patients, a trial of endoscopic fenestration. *Neurology India*. 1999; 47: 282-285.
17. **Kumar R**, Jain R, Tandon V. Thalamic Glioblastoma with CSF dissemination in the peritoneal cavity. *Pediatric Neurosurgery*. 1999; 31: 242-245.

2000

18. **Kumar R**, Kaur A. Peduncular Hallucinosis: an unusual sequelae of medulloblastoma surgery: a case report. *Neurology India*. 2000; 48: 183-185.
19. **Kumar R**, Jain R, Kaur A, Chhabra DK. Brain stem tuberculosis in children. *British J. of Neurosurg*. 2000; 356-361.
20. **Kumar R**, Prasad KK, Krishnani N, Chhabra DK. Infected Ewing's sarcoma of spine, case report. *Neurology India*. 2000; 48: 370-372.
21. **Kumar R**, Jain R, Sawlani V, Phadke RV. Retrocerebellar arachnoid Cyst with Syringomyelia: A case report. *Neurology India*. 2000. 48: 81-83.
22. **Kumar R**, Sharma R, Tyagi I, Phadke RV. Tuberculosis of the skull. A case report and review of the literature. *Neurosurgical Review*. 2000 (June); 23(2): 104-06.
23. **Kumar R**, Bansal KK, Chhabra DK. Occurrence of Split Cord Malformations in Meningomyelocele: Complex Spina Bifida. *Pediatr Neurosurgery*. 2000; 36: 119-127.
24. **Kumar R**, Ambesh SP. Neuroendoscopic procedures: Anesthetic consideration for a growing trend. *Review article in J Neurosurg Anesthesiol*. 2000; 12: 262-270.
25. **Kumar R**, Gulati K, Phadke RV, Gupta RK. Atretic Cephalocele: contribution of MRI in pre-operative diagnosis. *Pediatric Neurosurgery*. 2000; 33: 208-210.

2001

26. **Kumar R**, Jain R. Suprasellar Tuberculoma presenting with diabetes insipidus and Hypothyroidism: A case report. *Neurology India*. 2001; 49: 314-316.
27. Kathuria MK, **Kumar R**, Pal L, Krishnani N, Husain N, Gupta RK. Brain-within-brain, appearance of a heterotopic neuronal mass on MR Imaging. *J Neurosurg*. 2001; 94: 540.
28. **Kumar R**, Jain R, Rao KM, N Hussain. Intraspinal neurenteric cysts – report of three pediatric cases. original Article - *Child Nervous System (CNS)*. 2001; 17: 584 – 588.
29. **Kumar R**, Achari G, Banerji D, Chhabra DK. Uncommon presentation of medulloblastomas. Original article - *Published with commentary Child Nervous System (CNS)*. 2001; 17: 538 –542
30. **Kumar R**, Bansal KK, Chhabra DK. Split cord malformation in pediatric patients. *Neurology India*. 2001; 49: 128-133.
31. **Kumar R**, Gopal A, Mishra A, Chhabra DK. Medulloblastomas of the cerebellopontine angle. original article. *Neurology India*. 2001; 49: 380-383.
32. **Kumar R**, Jain MK, Chhabra DK. Dandy Walker Syndrome: Different modalities of treatment & outcome in 42 cases. original article. *Child's Nervous System (CNS)*. 2001(May); 17: 348-352.
33. **Kumar R**, Suresh R. Nayak NK, Chhabra DK. Spinal intramedullary ependymal cyst: report of two cases & review of literature. case report. *Pediatr Neurosurgery*. 2001; 35: 29-34.
34. **Kumar R**, Bansal KK. Calcified cephalhematoma: A case report. *Neurosciences Today*. 2001; 5: 166-168.

2002

35. **Kumar R**, Achari G, Banerji D, Chhabra DK. Choroid plexus papillomas of the CP angle. *Neurology India*. 2002; 50: 352–358.
36. **Kumar R**. Positional moulding in premature hydrocephalics. original article. *Neurology India*. 2002; 50: 148-152.
37. **Kumar R**, Chandra A. Does albendazole cure the residual spinal hydatidosis – A case report. *Neurosciences Today*. 2002; 6: 117-120.
38. **Kumar R**, Nayak SR. Management of pediatric congenital atlantoaxial dislocation: a report of 23 cases from northern India. *Pediatr Neurosurgery*. 2002; 36: 197-208.
39. **Kumar R**, Chandra A. Terminal myelocystocele an unusual presentation report of four cases. original article. *Indian J Pediatric*. 2002; 69 (12): 1083-1086.
40. **Kumar R**, Nayak RS. Unusual neuroenteric cyst: Diagnosis and management: a report of six cases. original article. *Pediatr Neurosurg*. 2002; 37: 321-330.
41. **Kumar R**, Lal P, Dutta NR, Rastogi N, Jain VK. Outcome of medulloblastoma following surgery and radiation. original article. *Indian Journal of Cancer*. 2002; 39: 97-105.

2003

42. **Kumar R**, Chandra A. Gluteal abscess-a manifestation of Pott's spine. a case report. *Neurology India*. 2003; 51: 87-88.
43. **Kumar R**. Uncommon manifestations of shunt infection. *Indian J Pediatric*; 2003;70, 21-24.
44. **Kumar R**. Singh SN. Spinal dysraphism: Trends in northern india. *Pediatric Neurosurgery*. 2003; 38: 133-145.
45. **Kumar R**, Verma A, Sharma K, Rathi B, Malik V. Posttraumatic pseudomeningocele of orbit in a young child : short report. *Journal of Pediatric Ophthalmology and Strabismus*. 2003; 40: 110 - 112.
46. **Kumar R**, Sahay S, Gaur B, Singh V. Ascites in children with ventriculoperitoneal shunt: Etiology in four children. original article. *Indian J Pediatric*. 2003; 70: 859-864.
47. **Kumar R**, Sharma R, Tyagi I, Achari G, Sharma K. Angiofibroma surgery & visual improvement. *Indian Journal of otolaryngology and Head and Neck Surgery*. 2003; 5: 100-106.

2004

48. **Kumar R**, Malik V, Tyagi I, Pal L, Singh SN. Hyperostotic paraganglioma of occipitotemporal bone. *Neurosurgical review*. 2004; 27: 46-49.
49. **Kumar R**, Singh V. Intramedullary mass lesions of spinal cord in children of developing milieu. original article. *Pediatric Neurosurgery*. 2004(Jan-Feb); 40(1): 16-22.
50. **Kumar R**, Singh V, Vaish M, Pal L, Mittal B. Clinico pathological and genetic study in cerebral aspergillosis and leukemic infiltration in ALL: a case report. *Journal of Pediatric Neurology*. 2004; 2: 39-44.
51. **Kumar R**, Singh V, Singh SN. Split cord malformation in children undergoing neurosurgical intervention in India: a descriptive study. original Article. *Journal of Pediatric Neurology*. 2004; 2: 21-27.
52. **Kumar R**, Singh V. Fulminant fungal meningitis following excision of spinal intramedullary fungal granuloma: a case report. *Neurosciences Today*. 2004; 8: 36-40.
53. **Kumar R**, Singh V. Tuberculous Brain stem abscesses in children. *Journal of Pediatric Neurology*. 2004; 2: 101-106.
54. **Kumar R**, Vaish M, Mittal RD, Mittal B. Evaluation of microsatellite instability in tumors of central nervous system: a pilot study. original article. *Indian J Clinical Biochemistry*. 2004; 19: 156-162.
55. **Kumar R**, Singh V. Subependymal giant cell astrocytoma: a report of five cases. *Neurosurgical Review*. 2004; 27: 274 -280.
56. **Kumar R**, Singh V, Arya S. The effects of intravenous butorphenol and bupivacaine infiltration on the haemodynamic response to skull pin placement: A prospective, randomized trial. *Neurosciences Today*. 2004; 8: 143-145.
57. Singh V, **Kumar R**. Post TBM hydrocephalus with deceptive CSF profile, in a premature: is it congenital tuberculosis? (a case report). *Neurosciences Today*. 2004; 8(2): 88-91.

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58. **Kumar R**, Singh S. Childhood choroid plexus papillomas; operative complications. original article. *Child's Nervous System*. 2005; 21: 38-43.
59. **Kumar R**. Chronic subdural fluid collection in children. The JK science. *Journal of Medical Education & Research*. Review article. 2005; 7: 03- 05.
60. **Kumar R**, Singh SN, Bansal KK, Singh V. Comparative study of complex spina bifida & split cord malformation. original article. *Indian Journal of Pediatric*. 2005; 72: 109-15.
61. **Kumar R**, Singh V. Benign intradural extramedullary masses in children of northern india. original article. *Pediatric Neurosurgery*. 2005; 41: 22-28.
62. **Kumar R**. The figure of cover page. *Journal of Pediatric Neurology*. 2005; 3: 59.
63. **Kumar R**. Split cord malformation (occult spina bifida): An indian scenario (review article). *The JK science, Journal of Medical Education & Research*. 2005; 7: 192-194.
64. **Kumar R**. Singh V, Kumar MVK. Shunt revision and outcome following VP shunt in hydrocephalic children of north India. original article. *The Indian J Pediatric*. 2005; 72: 843-847.
65. **Kumar R**, Jha S. Supratentorial metastases from medulloblastoma: report of two cases. *Journal of Pediatric Neurology*. 2005; 3: 173-178.

66. **Kumar R**, Jindal Y, Jha S. Suprasellar arachnoid cyst with precocious puberty. *Journal of Pediatric Neurology*. 2005; 3: 189-193.
67. **Kumar R**, Singh V, Rastogi A. Cysticercosis of temporalis muscle: a case report. *Journal of Pediatric Neurology*. 2005; 3: 269-272.
68. **Kumar R**, Jha S, Kumar M. Cerebral birth anoxia, seizures and kluver-bucy syndrome: some observations. *Journal of Pediatric Neurology*. 2005; 3: 227-232.
69. **Kumar R**, Jha S, Krishanani N. Dissemination of intramedullary anaplastic ependymomas. *Journal of Pediatric Neurology*. 2005; 3: 261-267.
70. **Kumar R**, Subramanian A, Gupta A, Saxena S, Gupta A, Kumar R, Nigam A, Mandal SK , Roy R. Proton MR CSF analysis and new software as predictors for the differentiation of meningitis in children. *Journal of Biomedical Science. NMR Biomedical*. 2005(Jun); 18(4): 213-225.

2006

71. Jha S, **Kumar R**, Kumar R. Mefloquine toxicity presenting with polyneuropathy: a case report of two cases in India. *Trans R Soc trop Med Hyg*. 2006; 100: 594-6.
72. **Kumar R**, Wani A, Reddy SJ, Pal L, Pradhan S. Development of anaplastic ependymoma in rasmussen's encephalitis—review of literature and case report. *Child's Nervous System*. 2006; 2: 416-419.
73. Jha S, **Kumar R**. Thallium poisoning presenting as paresthesia, paresis, psychosis and pain in abdomen. *J Assoc Physicians, India (JAPI)*. 2006; 54: 53–55.
74. **Kumar R**, Prakash M, Jha S. Paradoxical response to chemotherapy in neurotuberculosis. *pediatric neurosurgery*. 2006; 42: 214-222.
75. **Kumar R**, Wani A. Unusual tumor of posterior fossa skull base. *Skull Base*. 2006; 16:75-84.
76. Sharma K, Verma A, Rathi B, **Kumar R**, Kanaujia V. Metastatic tumor of orbit-presenting as pulsatile proptosis. *Annals Ophthalmology*. 2006; 38: 69-72.
77. Jha S, **Kumar R**. Clinical pleomorphism of neurocysticercosis in children: Some unusual manifestations. *Journal of Pediatric Neurology*. 2006; 4: 103-109.
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Summary of Scientific Works:

1. Introduced, developed and mastered the subspecialties of pediatric neurosurgery at Northern part of India with significant scientific contribution.
2. Discovered 3 entities related to spinal dysraphism and prepared guideline for Indian children with this malformation.
3. Developed 2 scoring system for atlantoaxial dislocation and brainstem glioma etc.
4. Linked basic research with clinical & applied research.

I dreamed to become a teacher since my child hood. Almighty offered me an opportunity to train the super specialists of highly complicated field. With my continuous efforts of teaching & learning I got an opportunity to teach highly specialized subject of pediatric neurosurgery internationally. Now I am at national mission of health by developing tertiary care centre.

Prof. (Dr.) Raj Kumar
Director, AIIMS Rishikesh