

# Curriculum vitae

## **Dr. Venkataramanaa N.K.**

**Chairman and Managing Director** - Advanced Neuro Science Allies Pvt Ltd,

**Chairman** - Cell Research Foundation

**Director**- Global Institute of Neurosciences

**Vice Chairman**- BGS Global Hospital

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### **Other Positions:**

1. ***Vice President:*** Indian Society for Paediatric Neurosurgery
2. ***Past President:*** Indian Society for Stereotactic and Functional Neurosurgery
3. ***Convener-***Neuro Endoscopy Study Group of India
4. ***Editor in chief*** - Journal of Cerebro Vascular Science
5. ***Chairman*** - Cell Research Foundation
6. ***Chairman*** - Adichunchanagiri Biological and Cancer Research Institute
7. ***Co-Chairman*** - Governing Council Adichunchanagiri Institute of Medical Sciences
8. ***Founder*** - Comprehensive Trauma Consortium ([www.sanjeevini.org](http://www.sanjeevini.org))
9. ***Founder*** - Paramedic Research Institute for Management of Emergencies (PRIME)
10. ***Managing Trustee*** - Dhanvantri Medical Relief Fund
11. ***Managing Trustee*** - Resuscitation Council of India
12. ***Managing Trustee*** - Basal Ganglia Support Group

### **Qualifications:**

- **MBBS**, S.V. Medical College, Tirupathi
- **M.Ch - Neurosurgery**, National Institute of Mental Health and Neuro Sciences, Bangalore
- **Micro Neurosurgery Training**, Nordstadt krankenhaus , Hanover, Germany
- **Neuro Endoscopy Training** , Johannes Gutenberg University , Mainz, Germany

### **Career:**

- ***Vice Chairman***- BGS Global Hospital (September 2007- till date)
- ***Director*** - Global institute of Neuro science (September 2007- till date)
- ***Director*** - Manipal Institute for Neurological Disorders (March 2001 to August 2007)
- ***Consultant Neurosurgeon*** - Manipal Hospital (March 1991 to August 2001)
- ***Assistant professor, Neurosurgery*** -National Institute of Mental Health and Neurosciences (November 1986 to June 1991)

### **Credentials:**

#### ***Professional***

- Over **15,000 Neuro and Spine surgeries** performed over the past **28 years**.

#### ***Special Interest and expertise***

- CP angle surgery, Paed Neurosurgery, Functionalneurosurgery, Neuro Endoscopic surgery
- Neuro trauma and neural regeneration

### **Professional Landmarks:**

- Establishing *Stem cells laboratory & Research Foundation*.
- Establishment of *Brain tumor bank* in India
- Introduction of *Micro dialysis for brain* for the *first time in India*.
- Established Pre- hospital care for Trauma - *Free Ambulance service* that rescued lakhs of accident victims & *reduced death rate* from **22% to 3%** in *Bangalore*.
- Introduction of *High Way Trauma Care, Air ambulance service* and *Mass casualty management training*.
- *First Neuro Endoscopic surgery* in Karnataka.
- *First CT guided stereotactic surgery* in Karnataka.
- *First deep brain stimulation (DBS) surgery* for *Parkinson's disease* in Karnataka.
- *First sacral nerve stimulation* for *neurogenic bladder dysfunction* in Karnataka.
- *First disc Nucleoplasty* for *lumbar and cervical disc prolapse* in India.
- *First transplantation of autologous bone marrow derived mesenchymal stem cells* for *Parkinson's disease, Head Injury & Cerebral Palsy*.

### **Awards received:**

1. *Gold medal* from Rotary International - *Young Surgeons Award* Felicitation by Lions Club, **2001**
2. *Karnataka Seva Puraskara Award* by Ashraya Seva Trust, **2001**
3. *B C Roy Doctor's Day Award* by IMA, June **2002**
4. *Outstanding Public Service Award* by Rotary Club, **2003**
5. *Outstanding Service Award* by Nightingale's Life Saving Services, **2004**
6. *Best Public Service Award* by Lions Club International, **2005**
7. *Sujayashree Award* by Raghavendra Swamiji Mutt, **2006**
8. *Best contribution to profession - Neuroscience Award* by Rotary Club, **2006**
9. *Ragiv Gandhi Shiromani Award*, **2006**
10. *Chanakya Award for Social Leadership* by Public Relations Council of India, **2007**
11. *Sadhana Rathna Prashasthi*, **2008**
12. *Karnataka Rajyothsava Award*, **2008**
13. *Druvarathna Award* by Gurusai International Cultural and Education Academy, **2009**
14. *B V Shivarama Karanth Sadbhavana Prashasthi* by Karnataka Rajya Kalavidhara Kalyana Vedhike, **2009**
15. *Trinity Vaidya Rathna Award* by Trinity Hospitals and Heart Foundation, **2010**
16. *NTR Award* from Akhila Karnataka N T R Abhimanigala Sangha, **2010**
17. *Felicitation for Contribution to Neurosurgery* by Lions Club, **2010**
18. *Felicitation for contribution to Neuroscience* by Rotary , **2010**
19. *Bharatha Rathna Sir M. Visvesvaranya Global Leadership Award* for Excellency in Environment - Social Work , Puttanna Chetty Town Hall, 2nd July **2011**
20. *Dayananda Sagar Award* for excellence in Medical Profession , July **2011**
21. *Aryabhata Award* - Award for excellence in Medical Profession , Ravindra Kalakshethra , 22nd June **2014**,
22. Honored by Healthcare Radius & Schneider for *outstanding contribution to Healthcare* in India , November **2014**
23. Honored by *Bangalore Development Authority* during Karnataka Rajyothsava, 29th November **2014**
24. Honored by Gulf Connoisseur - *A Premier Lifestyle luxury Magazine*
25. Planning and establishing *state-of-the-art Neuroscience* department and level 1 Trauma centre

## **Research:**

### **Government Project**

**SBIRI Project** - Pre - clinical studies of human mesenchymal stem cells (MSC's) isolated and characterized from bone marrow and wharton's jelly in autoimmune disease, namely rheumatoid arthritis (RA) and type 1 diabetes (T1DM) (Phase - I)

### **Pre-clinical Studies**

- Spinal cord injury
- Diabetes
- Rheumatoid Arthritis
- Brain Cancer - Glioblastoma Mutlifforme

Open-labeled study of unilateral autologous bone-marrow-derived mesenchymal stem cell transplantation in Parkinson's disease

"Bilateral transplantation of allogenic adult human bone marrow derived mesenchymal stem cells into the sub-ventricular zone of Parkinson's disease. A pilot clinical study"

### **Patents**

A METHOD FOR THE TREATMENT OF GLIOBLASTOMA WITH WHARTON JELLY-MESENCHYMAL STEM CELLS (WJ-MSC) DERIVED FROM HUMAN UMBILICAL CORD

A METHOD FOR THE ISOLATION AND DIFFERENTIATION OF HUMAN PERINEPHRIC FAT DERIVED MESENCHYMAL STROMAL CELLS INTO NEURONAL AND ASTROGLIAL PROGENITORS, ISLET LIKE CLUSTERS AND RENAL PROGENITOR CELLS

### **Overall Research Objectives - Stem cells**

- **Identify bioactive molecules** derived from *stem cells* suitable for **regeneration and healing**.
- **Identification of the appropriate type of stem cells** optimized for **each medical condition**.
- To develop an **indigenous method for large scale expansion of human stem cells** so as to **make it available/affordable to Indian population**.
- Optimization of conditions for **product development, process improvement and media standardization**.
- **Pre-clinical safety and efficacy** testing of **MSCs** in animal models of disease.
- **Understanding the biology** through extensive **gene expression/proteomic/ cytokine profiling** of **MSCs derived from various sources**.
- **Isolation and derivation of MSCs** from innovative sources to understand whether source-specific stem cells exist and might contribute to custom-made therapies for a **particular degenerative disease/disorder**.
- **Pre - clinical studies of human mesenchymal stem cells (MSC's)** isolated and characterized from bone marrow and wharton's jelly in autoimmune disease, namely rheumatoid arthritis (RA) and type 1 diabetes (T1DM) (Phase - I)
- **In vitro and In vivo models** the treatment of **glioblastoma** with **Wharton jelly-mesenchymal stem cells (WJ-MSC)** derived from human umbilical cord.
- Cytokine assay
  - Done to evaluate the cytokine profile of different stem cell types
  - To show the difference in cytokine secretion pattern among different cell types

## **Publications:**

### **Research articles**

1. N.K. Venkataramana<sup>2</sup>, Rakhi Pal<sup>1</sup>, Abhilash Bansal<sup>3</sup>, Sudheer Balaraju<sup>1</sup>, Ravi Chandra<sup>3</sup>, Ashish Dixit<sup>3</sup>, Amit Rauthan<sup>3</sup>, Satish<sup>1</sup> Ex vivo-expanded autologous bone marrow-derived mesenchymal stromal cells in human spinal cord injury/paraplegia: a pilot clinical study. *Cytotherapy*.;11(7):897-911. 2009
2. Functional recovery after transplantation of bone marrow-derived human mesenchymal stromal cells in a rat model of spinal cord injury. Pal R, Gopinath C, Rao NM, Banerjee P, Krishnamoorthy V, Venkataramana NK, Totey S. *Cytotherapy*. 2010 Oct;12(6):792-806
3. Open-labeled study of unilateral autologous bone-marrow-derived mesenchymal stem cell transplantation in Parkinson's disease. Venkataramana NK, Kumar SK, Balaraju S, Radhakrishnan RC, Bansal A, Dixit A, Rao DK, Das M, Jan M, Gupta PK, Totey SM. *Transl Res*. 2010 Feb;155(2):62-70. Epub 2009 Aug 6
4. Bilateral transplantation of allogenic adult human bone marrow-derived mesenchymal stem cells into the subventricular zone of Parkinson's disease: a pilot clinical study. Venkataramana NK, Pal R, Rao SA, Naik AL, Jan M, Nair R, Sanjeev CC, Kamble RB, Murthy DP, Chaitanya K. *Stem Cells Int*. 2012;2012:931902. Epub 2012 Mar 13
5. Development of a brain tumor tissue repository in India: Maintaining quality standards - in the *Journal of Stem Cells* volume 5: issue 2:2010.
6. BOOK CHAPTER ON STEM CELLS IN SPINAL CORD INJURY : "PARAPLEGIA"- 2013.
7. 1Bogdahn U., Schneider T., 3Olyusin V., 4Partenov, V., 5Mahapatra A.K. 6Blasubramaniam A., 7Venkataramana N.K., 8Stockhammer G., 9Hainrichs H., 9Schingensiepen K, ,H and the AP 12009 glioma study group. Randomized, Active-Controlled Phase 11b Study with trabedesen(AP 12009) in Recurrent or Refractory High-Grade Patients: Basis for Phase 111 End points.(Article)
8. BS Dwarakanath, Dinesh Singh, Ajit K Banerji, Rajiv Sarin, N K Venkataramana, R Jalali, PN Vishwanath, BK Mohanti, RP Tripathi, V K Kalia, Viney jain - Clinical studies for improving radiotherapy with 2 -deoxy-D-glucose: Present status and future prospects: Review article, *J Cancer Res Ther -supplement 1*,volume 5(<http://www.cancerjournal.net> ) 2009.
9. Predicting outcome after traumatic brain injury: Practical Prognostic models based on large cohort of International Patients> MRC CRASH Trial Collaborators. *BMJ* published online; doi:10.1136/BMJ.39461.643438.25, 12 Feb 2008.
10. Clinical Proof of Concept for TGF - beta 2-Inhibitor AP 12009 in Phase 11b EMEA Provides Guidance on Phase 111 Design and Approval Requirements. - Antisense Pharma : press Release , Page 2, June 2, 2008,
11. Bogdahn U., Mahapatra A K , Suri A, Mouli C., Sastry K V R., Venkataramana N K ., Oliushine V., Parfenov V., Poverennova I., Stockhammer G., Schneider T ., Heinrichs H., Schlingensiepen K H ., and the trabedersen glioma study group. Intratumoral application of trabedersen ( AP 12009) in recurrent or refractor high-grade glioma patients. Joint Meeting SNO & AANS October 22-24, New Orleans, Louisiana, 2009.
12. Final results of MRC CRASH, a randomized placebo-controlled trial of intravenous corticosteroid in adults with head injury-outcomes at 6 months ; crash trial collaborators ,research letters , *LANCET* ,4 Jun 2005
13. Effect of intravenous corticosteroids on death within 14 days in 10008 adults with clinically significant head injury(MRC CRASH Trial): randomized placebo-controlled trial, CRASH Collaborators, *LANCET*,364:1321-28, 2004.
14. Crash 2 Trial - Effects of tranexamic acid on death, vascular occlusive events, and blood transfusion in trauma patients with significant haemorrhage (CRASH-2): a randomised, placebo-controlled trial. [www.thelancet.com](http://www.thelancet.com) Published online June 15, DOI:10.1016/S0140-6736(10)60939-7, 2010
15. Targeted therapy for high-grade glioma with the TGF - B2 inhibitor trabedersen: results of a randomized and controlled phase 11b study. Publication: *Neuro-Oncology*.doi;10.1093/neuonc/noq142. Oct 27,2010
16. Establishment of a Brain Tumor Tissue Repository in India: Maintaining Quality Standards .Publications: In: *Journal of Stem Cells*. Volume 5 , Number 2 Publisher : Nova Science Publishers, Inc. ISSN 1556-8539, 2011

17. N. K. Venkataramana,<sup>1</sup> Rakhi Pal,<sup>2</sup> Shailesh A. V. Rao,<sup>1</sup> Arun L. Naik,<sup>1</sup> Majahar Jan,<sup>2</sup> Rahul Nair,<sup>2</sup> C. C. Sanjeev,<sup>1</sup> Ravindra B. Kamble,<sup>1</sup> D. P. Murthy,<sup>1</sup> and Krishna Chaitanya<sup>1</sup> : Bilateral Transplantation of Allogenic Adult Human Bone Marrow-Derived Mesenchymal Stem Cells into the Subventricular Zone of Parkinson's Disease: A Pilot Clinical Study. Hindawi Publishing Corporation, Stem Cells International , Article ID 931902, 12 pages , doi:10.1155/2012/931902, Volume 2012,
18. N. K. Venkataramana,<sup>1</sup> Rakhi Pal,<sup>2</sup> Shailesh A. V. Rao,<sup>1</sup> Arun L. Naik,<sup>1</sup> Majahar Jan,<sup>2</sup> Rahul Nair,<sup>2</sup> C. C. Sanjeev,<sup>1</sup> Ravindra B. Kamble,<sup>1</sup> D. P. Murthy,<sup>1</sup> and Krishna Chaitanya<sup>1</sup> "Bilateral Transplantation of Allogenic Adult Human Bone Marrow-Derived Mesenchymal Stem Cells into the Subventricular Zone of Parkinson's Disease: A Pilot Clinical Study," Stem Cells International, , Article ID 931902, 12 pages, 2012. doi:10.1155/2012/931902. vol. 2012

### **Clinical Articles**

1. A.S.Hegde, N.K.Venkataramana and B.S.Das "Brain Abscess in Children" Childs Nervous System Vol2, 90-92, 1986.
2. AB Taly, D.Nagaraja, N.K.Venkataramana. VK.Jain "Surgery For Intracerebral Haematoma-Japi 1987.
3. N.K.Venkataramana, P.Satish Chandra, A.S.Hegde G.N.N.Reddy and B.S.Das,
4. Evolution of brainstem auditory evoked responses in congenital hydrocephalus -
5. Child's nervous system 4, 334 - 338 , 1988
6. N.K.Venkataramana, V.K.Jain, G.N.Narayana Reddy, B.S.Das and A.Chandra Mouli "Far Cry of TB Brain" Clinical Neurology and Neurosurgery 91,3, 1989.
7. N.K.Venkataramana, V.R.Sastry Kolluri, D.V.Raj Kumar, T.Vasudev Rao and B.S.Rao, Paraganglioma of the orbit with Extension to the Middle Cranial Fossa, Neurosurgery Vol.24, No.5, 762-764, 1989.
8. N.K.Venkataramana,V.K.Tain, B.S.Das and T.V.Rao, Intramedullary Cysticercosis, Clinical Neurology Neurosurgery vol 91-3, 283-287, 1989.
9. N.K.Venkataramana, V.R.Sastry Kolluri, K.S.Narayana Swamy, BYT Arya, B.S.Das and G.N.Narayana Reddy - Progressive Unilateral hydrocephalus, Neurosurgery Vol.24,No.2, 282-284, 1989.
10. N.k.Venkataramana, SastryKvr, BsDas- "Tuberculous Osteomyelitis" Neurosurgery,Vol 24.1989.
11. N.K.Venkataramana, V.R.S.Kolluri, K.S.Narayana Swamy, V.K.Jain, B.S.Das and S.Das, Exophytic Gliomas of the Spinal Cord, Acta Neurochir (wien) 107, 44-46, 1990.
12. N.K.Venkataramana, P.Satischandra, A.S.Hegde and G.N.Narayana Reddy,
13. Brainstem Auditory Evoked Response in Infancy (Normative Data) NIMHANS Journal, Vol 8 (1) 33-35, 1990.
14. N.K.Venkataramana, A.S.Hegde, Satish Chandrasekhar, Manaskumar P and B.S.Das- Surgery for craniopharyngiomas in children, Neurology India 39 (suppl) 52-52, 1991.
15. T.Vasudev Rao and N.K.Venkataramana "Cerebral Cysticercal Abscess" Journal of Tropical and Geographical Neurology, 1992.
16. D.Radheshyam, J Basu, R.P.Deo, Govind Babu, A.S.Hegde, Venkataramana, Suresh chandra - Analysis of 10 cases of Primary Central Nervous system lymphoma over a period of 2 years. JAPI Vol 45 No.1, 29-31, 1997.
17. Dr.N.K.Venkataramana - "Head Injury Basic Principles and Management" - Journal - Neurosciences UPDATE - Synapse 8th Annual Conference of Andhra Pradesh Neuroscientists Association, P 15 - 20.
18. N.K.Venkataramana - "Head injury Basic Principles and Management" Journal of the Indian Association of General Practitioners - Supplement, Feb - March 2000
19. N.K.Venkataramana - "Deep Brain Stimulation - A Novel Therapy for Parkinson's Disease" Manipal Hospital Bulletin, Vol.2 / No.3, Page-16, October 2000
20. N.K.Venkataramana - "Treatment of Parkinson's Disease" - Journal and the Indian Association of General Practitioners- Supplement, 2001.
21. N.K.Venkataramana - "Endoscopic Neurosurgery" Manipal Hospital Bulletin, Vol.3 / No.2, Page - 11-12, August 2001.

22. Suresh Chandra, Sanjay A Pai, N.K.Venkataramana "Pregnant Woman with Recurrent Metastasis "Clinical Case Report. The National Medical Journal Of India,Vol 14 No 4, 2002.
23. N.K.Venkataramana, "Endoscopic Neurosurgery - Update : Journal of Indian Association of General Practitioners (IAGP) June - July 2002
24. N.K. Venkataramana etal: Spontaneous spinal extradural haematomas, journal of clinical neuroscience,2005
25. Venkataramana NK, Dwarakanath S, Jagannath P, Swaroop GR, Management of multiple intracranial aneurysms- Indian journal of cerebro vascular surgery 2005, Apr; 1-1:15-18
26. Venkataramana NK, Dwarakanath S, Swaroop GR, , Iyer P, Paramesh K Cardiopulmonary bypass and low flow status in management of complex Intracranial Aneurysms. Indian journal of cerebro vascular surgery 2005;1:00-00 .
27. Venkataramana NK: Dwarakanath S, Swaroop GR, Severe pediatric head injuries. Child Nervous System 2005, 21; 836.
28. Venkataramana NK, Ravichandra R, Dwarakanath S, Swaroop GR, Bilateral post traumatic sixth nerve palsy- Neurology India. June 2006 | Vol 54 | Issue 2 Page No. 221,222
29. Venkataramana NK, Shiva Kumar KR, Dwarakanath S, , Swaroop GR, Teratogenic Aplasia cutis congenita - a rare entity - Neurology India | September 2006 | Vol 54 | Issue 3 Page No. 312,313
30. Venkataramana NK, Dwarakanath S, Bansal A, Swaroop GR, White Cerebellum sign - A case report and review of literature -Pediatric Neuroscience 1(1): 27-28, 2006.
31. Venkataramana NK: Ravi D, Dwarakanath S, Swaroop GR, Spontaneous Spinal Extradural Hematomas - Case reports and review of literature. Journal of Clinical Neurosciences 13,269-272.2006.
32. N. K. Venkataramana, Shailesh A. V. Rao, Arun L. Naik, Neeraj Awasthy<sup>1</sup>, H. Gupta<sup>1</sup>,Karamchand Sharma - Tale of the tail - 2008 / Jul-Dec / Volume 3 / J Pediatr Neurosci / 145
33. N. K. Venkataramana ,Operative Nuances Surgery for lipomyelomeningocele. / Jul-Dec / Volume 3 / J Pediatr Neurosci Page- 141, 2008
34. N.K.Venkataramana, Y N Anantheshwar - Operative Nuances -Tissue expansion technique for closure of myelomeningocele, Volume 4 /J Pediatr Neurosci /issue :1, Page 25-29. 2009/Jan - June.
35. PM Jagannath. N K Venkataramana, Shailesh A V Rao , Arun L Naik, S K Shivakumar , Naves Saktepar, Raghuram Gopalkrishnan, S K Shankar . Recurrent cerebral larva migrans: A case report and review of literature. /Volume:4/ J Pediatr Neurosci /Issue :1/ Page :36-40. Year 2009
36. N K Venkataramana, Shailesh A V Rao , Arun L Naik, Operative NuancesEndoscopic 3rd Ventriculostomy.109- 112/j.Pediatr Neurosci/volume 4/July-December/2009.
37. Y. N. Anantheswar, N. K. Venkataramana<sup>1</sup> Department of Plastic Surgery, Manipal Hospital, 1Advanced Neuroscience Institute, Paediatric craniofacial surgery for craniosynostosis: Our experience and current concepts: Part - 1 2009 / Jul-Dec / Volume 4 / J Pediatr Neurosci / 86-99
38. Y. N. Anantheswar, N. K. Venkataramana<sup>1</sup> Department of Plastic Surgery, Manipal Hospital, 1Advanced Neuroscience Institute, Paediatric craniofacial surgery for craniosynostosis: Our experience and current concepts: Part 2 2009 / Jul-Dec / Volume 4 / J Pediatr Neurosci / 100-107
39. B. S. Dwarakanath, Ph D.1, Dinesh Singh M.D.2, Ajit K. Banerji M Ch.3, Rajiv Sarin M. D.4, N. K. Venkataramana M Ch.5, R. Jalali M. D.4, P. N. Vishwanath M. D.5, B. K. Mohanti M. D.6, R. P. Tripathi,M. D.1, V. K. Kalia, Ph D.7 , Viney Jain, Ph D.8 Clinical Studies for Improving Radiotherapy with 2-Deoxy-D-Glucose: Present Status and Future Prospects ( Journal of Oncology)
40. Neelam K Venkataramana , V. Satishkumar K, Sudheer Balaraju, Radhika Chemmangattu Radhakrishnan, Abhilash Bansal, Ashish Dixit, K. R. Deepthi, Madhulita Das, Majahar Jan, Pawan Kumar Gupta & Satish M Totey: Open-labeled study of unilateral autologous bone-marrow-derived mesenchymal stem cell transplantation in Parkinson's disease - ORIGINAL ARTICLE Translational Research 7th August 2009

41. Differential responses of tumors and normal brain to the combined treatment of 2-DG and radiation in Glioblastoma - Original Article . J Cancer Res Ther - Supplement 1 2009 - Volume 5.
42. Clinical Studies for improving radiotherapy with 2 deoxy - D-glucose : Present status and future prospects. J Cancer Res Ther - Supplement 1 - Volume 5, 2009.
43. Satish Babu, MD,; Venkataramana N K , Mch Neurosurgery; Ravindra Bhmr Rao Kamble, M.D.; Shailesh A V rao, Mch Neurosurgery; Arun Naik, Mch Neurosurgery; Roshan V Shetty - Primary Hypothyroidism presenting as sellar mass which regressed with thyroid hormone therapy - A case report. The Neuroradiology Journal 23:433-436,2010.
44. Dr. R.B.Kamble, Dr. N.K. Venkataramana\* Y, Dr. A.L. Naik, Dr. Shailesh Mch\* , Dr. R. Shetty. Sinus Pericranii presenting with Macrocephaly and Mental Retardation: Volume 5 / J Pediatr Neurosci/39-41. 2010/Jan-Jun
45. Ravindra Bhmr Rao Kamble, M.D; N K Venkataramana, Mch Neurosurgery; Roshan V Shetty , M.D; Arun L Naik , Mch Neurosurgery; Shailesh Rao, Mch Neurosurgery; Diwakar N, DMRD, DNB . Cerebral High Grade Glioma with crossed Cerebellar Mstastases - A Report of Three Cases. The Neuroradiology Journal 23:429-432,2010
46. Dr N K Venkataramana & Dr Y N Anantheshwar Paediatric Anterior Skull Base Tumors - Our Experience and Review of Literature. J Pediatr Neurosci/Page No.1-11, 2010/Jan-Jun/Volume 5 .
47. Halamani R Kusuma, Neelam K Venkataramana1, Shailesh AV Rao', Arun L Naik1,Gangadhara DS2, Keshavan H Vankatesh , Fulminant hepatic failure after repeated exposure to Isoflurane , Indian Journal of Anaesthesia | Vol 55 Issue J | May-jun 2011
48. Ravindra B Kamble, Neelam K Venkataramana, Arun L Naik, Shailesh V Rao Diffusion tensor imaging in spinal cord, Indian Journal of Radiology and Imaging. Volume 21 Issue 3 August 2011,Pg 221-224.
49. N. K. Venkataramana, C. R. Mukundan1 , Department of Neurosurgery. Advanced Neuro Science Institute. BGS Global Hospital. 'Department of Neuropsychology. Evaluation of functional outcomes in congenital hydrocephalus,Volume 6 / Journal of PediatricNeurosciences / 5-12, 2011 / Jan-Jun .
50. Ravindra Bhmr Rao Kamble, M.D. Neelam K Venkataraman, C N Raghunath: Dengue encephalitis associated with hydrocephalus, The Neuroradiology Journal Volume 24 - No. 6 - Page No- 833, December 2011.
51. N K Venkataramana: Hydrocephalus Indian Scenario - A review . Journal of Pediatric Neurosciences. Volume 6, S-11-22.2011
52. N K Venkataramana : Spinal Dysraphism -. Journal of Pediatric Neurosciences. Volume 6,S-31-40,2011
53. Neelam Venkataramana , Shailesh A V Rao, Arun L Naik, Krishna Chaitanya, Paparajamurthy Cerebello Pontine Angle Lipoma in a child,.Journal of Pediatric Neurosciences/Volume7/Jan-Apr/2012.
54. Neelam K Venkataramana , Shailesh A V Rao, Arun L Naik, Kishore Shetty, Paparaja Murthy, Abhilash Bansal, Christos Panotopoulos : Innovative approach for prevention and treatment of post subarachnoid hemorrhage Vasospasm: A preliminary report. Asian Journal of Neurosurgery Vol.7, Issue 2, April -June ,2012.
55. Palaniappan Manickam Jagannath, Neelam Krishnan Venkataramana, Abhilash Bansal, Madineni Ravichandra1: Outcome of microvascular decompression for trigeminal neuralgia using autologous muscle graft: A five-year prospective study. Asian Journal of Neurosurgery. Vol. 7, Issue 3, July-September 2012
56. Neelam K. Venkataramanaa, P. K. Venkatesh1, B. S. Dwarakanath2, S. Vani3, Global Neuro and Spine Institute, BGS Global Hospital. Protective effect on normal brain tissue during a combinational therapy of 2-deoxy-d-glucose and hypofractionated irradiation in malignant gliomas(Original Article). Asian Journal of Neurosurgery. Vol. 8, Issue 1, January-March 2013

#### **Books and Chapters:**

1. **"Cervical spine"** - Proceedings of The National Seminar on Cervical Spine. Associate Editor , NIMHANS(Supplement issue) **1988**
2. **Evolution of brainstem** auditory evoked responses in congenital hydrocephalus

3. "Annual Review of Hydrocephalus" Vol 7, P 23, 1989.
4. "Progressive unilateral hydrocephalus in adults" "Annual review of hydrocephalus" Vol 8, 1990.
5. *Tethered Cord Syndrome in Children* :Progress in Clinical Neurosurgery by Neurological Society of India ,Vol 18,p56-70, 2003
6. *Split Cord Malformations*, International clinics in Neurosurgery 2003.
7. *Midline Posterior fossa craniectomy*, Text book of "Operative Neurosurgery" , Vol.2, Page No. 203-207,2005.
8. *Surgery for Myelomeningocele*, Text book of Operative Neurosurgery, Vol.2, Page No. 1115-1118,2005.
9. *Surgery For Lumbar Lipomyelomeningocele* , Text book of Operative Neurosurgery, Vol.2, Page 1119-1124, 2005.
10. *Dermal Sinus- Surgical Repair*, Text book of Operative Neurosurger, Vol.2, Page No. 1125-1128, 2005.
11. *Surgery For Extra Cranial carotid Disease*, Text book of Operative Neurosurgery, Vol.2, Page No. 777-782, 2005.
12. *Congenital malformations of Brain* - Ramamurthy & Tandon's Text Book of Neurosurgery 3rd edition. Volume 1 Page No. 183-194, Jaypee Publishers , 2012
13. *Spinal Dysraphic states*: Ramamurthy & Tandon's Text Book of Neurosurgery 3rd edition. Volume 1 Page No. 231-244, Jaypee Publishers , 2012
14. *Hydrocephalus*: Ramamurthy & Tandon's Text Book of Neurosurgery 3rd edition. Volume 1 Page No. 245-258, Jaypee Publishers , 2012
15. *Paediatric Spinal Tumors*: Ramamurthy & Tandon's Text Book of Neurosurgery 3rd edition. Volume 2 Page No. 1227-1238, Jaypee Publishers , 2012
16. *Surgery for asymptomatic tethered cord*: Progress in Clinical Neurosciences. Volume 26. Page No. 212 - 225, year 2012.
17. *Endoscopic Third Ventriculostomy Technique*: Clinical Neuroendoscopy Current status - by Neuroendoscopy, 2014.
18. *Endoscopic surgery for Pituitary Tumors*: Clinical Neuroendoscopy Current status - by Neuroendoscopy, 2014.
19. *Endoscopy surgery for colloid cyst*: Clinical Neuroendoscopy Current status - by Neuroendoscopy, 2014.
20. *Endoscopic Lumbar Discectomy*: Clinical Neuroendoscopy Current status - by Neuroendoscopy, 2014.
21. *Clinical Neuroendoscopy* - Current status - by Neuroendoscopy Study Group of India - Edited by Venkatarmanaa N K, Ashish Suri, C.E. Deopujari
22. *Mesenchymal Stem Cells in Spinal Cord Injury* - Chapter 11: "Topics in Paraplegia", book edited by Yannis Dionyssiotis, ISBN 978-953-51-1621-9, Published: July 2, 2014 under CC BY 3.0 license

#### **General Books:**

- *Hurt me not* - A manual of first aid trauma care, **2001**, published by *Comprehensive Trauma Consortium*
- *Advanced Trauma Care Manual*: Management guidelines for peripheral centers, **2001**
- *Mass casualty Management Protocol* and *Manual for Hospitals in association with WHO and RGUHS*

#### **Clinical Trials conducted:**

- Radiotherapeutic treatment coupled with the administration of 2-De -Oxy Glucose which acts as a differential radiomodifier for malignant brain gliomas (2 DG- Phase I , sponsored by NIZAM Institute, Delhi.
- Corticosteroid Randomization after Significant head Injury (CRASH) Trial conducted by MRC London. MRC CRASH Trial - 1



- Open-Label, Dose Confirmation Study of Interstitial 1-chTNT-1/B Mab (COTARA) for the treatment of recurrent Glioblastoma Multiforme (GBM) - Phase 2 Trial (sponsored by SIRO INDIA Limited)
- A Randomised, Double-Blind, Placebo-Controlled, Multi-centre, Dose Escalation Study to Evaluate the safety and Preliminary Efficacy of Recombinant Factor VIIA (NovoSeven/ Niastae) in Subjects with Brain contusions” Sponsored by Novonordisk
- A randomized controlled comparative trial to evaluate the efficacy and safety of 2-Deoxy-D-Glucose (2DG) as a radiomodifier in the treatment of glioblastoma multiforme. (sponsored by Dr.Reddys Lab Ltd)
- Stem Cell for Therapy for Spinal Cord Injury
- CRASH 2- Clinical Randomization of an Antifibrinolytic in Significant Hemorrhage (MRC CRASH-2)
- Efficacy and Safety of AP 12009 in Adult Patients with Recurrent or Refractory Anaplastic Astrocytoma (WHO grade III) as Compared to Standard Treatment with Temozolomide or BCNU: A Randomized, Actively Controlled, Open Label Clinical Phase III Study. (SAPPHIRE)
- Study A0081107 titled: “A 17-WEEK, Randomized, Double-Blind, Placebo controlled, Parallel Group , Multi center Trial of Pregablin for the treatment of Chronic central Neuropathic Pain after Spinal cord injury.
- Surgical Trial in Lobar Intra cerebral Hemorrhage \*STICH-11)
- Early surgery versus initial conservative treatment in patients with spontaneous supratentorial lobar intracerebral haematomas (STICH II): a randomised trial
- A David Mendelow, Barbara A Gregson, Elise N Rowan, Gordon D Murray, Anil Gholkar, Patrick M Mitchell, for the STICH II Investigators. S A V Rao, N K Venkataramana, A L Naik. www.thelancet.com Published online May 29, 2013 [http://dx.doi.org/10.1016/S0140-6736\(13\)60986-1](http://dx.doi.org/10.1016/S0140-6736(13)60986-1)
- Surgery or conservative therapy for cerebral haemorrhage?, S A V Rao, N K Venkataramana, A L Naik. www.thelancet.com Published online May 29, 2013 [http://dx.doi.org/10.1016/S0140-6736\(13\)61087-9](http://dx.doi.org/10.1016/S0140-6736(13)61087-9)

#### **Lectures and Orations:**

- Over **100 Invited Guest lecturers** & **Orations** delivered at various *scientific forums*
- Over **60 Scientific lectures**
- **50 scientific conferences & CMEs organized**

#### **Professional memberships:**

- American Association of Neurological Surgeons
- Congress of Neurological Surgeons
- International Society of Pediatric Neurosurgery
- Asian Congress of Neurological Surgeons
- The Walter E. Dandy Neurosurgical Society
- Neurological Society of India
- Indian Society for Stereotactic and Functional Neurosurgery
- Indian Society for Pediatric Neurosurgery
- Indian Society for Cerebro Vascular surgery
- Indian Society of Oncology
- Indian Society of Palliative Medicine
- Bangalore Neurological Society
- Andhra Pradesh Neuro Scientists Association
- Surgical society of Bangalore
- Stem Cell Research Forum of India
- Common Wealth Association for Mental Handicap and Developmental Disabilities
- The Inter Academy Biomedical Science Forum

### **Distinctions:**

- **First place in M.Ch (Neurosurgery) examination, NIMHANS, 1986**
- **Silver Jubilee Award for best outgoing student in M.Ch. (Neurosurgery) 1986**
- **P R S Shetty Endowment Gold Medal for young surgeons from Rotary International**
- **First Class (MBBS), Venkateswara University, Tirupathi, 1980**
- **Distinction in surgery, S V Medical College, 1980**
- **Distinction in medicine, S V Medical College, 1980**
- **Second rank, Obstetrics and Gynecology, 1980**
- **First place in Ophthalmology and ENT diseases, 1979**
- **Chennababu Prize in Pharmacology, 1978**
- **First place in Pharmacology, 1978**
- **First place in two-year intermediate course, 1975**
- **Best outgoing student for 1975, Government Junior College, Puttur**
- **First place in SSC Board examination, 1973**
- **Best out-going student in school**
- **Fellowship in skull base and Micro neurosurgery, Nordstadt krankenhaus, Hannover, Germany, 1994**
- **Diploma in 9th International Course in clinical Neurosurgery by World Federation of Neurosurgical Societies, Hannover, Germany, 1994**
- **Fellow : Neuro Endoscopy Training under Prof.Pernecky, Dept of Neurosurgery, Johannes Gutenberg University, Mainz, Germany**
- **Fellow : Nuyana Sapporo, Japan, 1995**
- **Best scientific paper prize - Tethered Cord Syndrome - 12th Annual Indian Society for Pediatric Neurosurgery, 2001**
- **Citation in Marquis - Who's Who, 2001**
- **Certificate - IBC Leading health professionals of the world 2005**
- **Citation - Best Citizens of India by India Publishing House**

### **As medical activist and thinker:**

- Established comprehensive pre-hospital care for accident victims in Bangalore
- Established communication, transportation, and networking of hospitals for trauma care
- Initiated paramedic training programme for nurses, ambulance personnel and police
- Initiated road safety and first aid programmes for school children
- Established first aid centers on the highways
- Developed training modules for certification courses on emergency care in association with CAMHADD, WHO and Rajiv Gandhi University of Health Sciences
- Designed Pre hospital care protocols & systems
- Public awareness programmes on trauma care
- Established Comprehensive Trauma Consortium in 2000
- Initiated High way Trauma care project and Air ambulance in 2004
- Initiated trauma services in Mangalore & Tirupati in 2005
- Concept of solar powered first aid centres on highways in 2005
- Designed and initiated the concept of Mass Casualty Rescue Wagon
- Initiated internet based blood banking network
- Current novel program - "Golden initiative" to treat accident victims in golden hour beyond economic barriers at BGS Global Hospital. Accident victims with head injury & Spinal injury will be treated irrespective of financial status in the Golden Hour through "Dhanvantri Trust" saving many critical injuries in the last 6 months