

CURRICULUM VITAE

DR SUMIT SINHA MBBS, MS, DNB, MCh



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| Permanent Address | F25, Ansari Nagar, AIIMS Campus, New Delhi-110029 |
| Phone - | +91-11-26175775/+91-9868398244/ 09968292347 |
| E-mail | sumitaiims@yahoo.com / sumitneuro@gmail.com |
| Date of Birth | 23.11.1971 |
| Academic Qualifications | M.B.B.S., M.S. (General Surgery), D.N.B. (General Surgery), M.Ch (Neurosurgery) |
| Current Position | <i>Associate Professor</i> Department of Neurosurgery, All India Institute of Medical Sciences and associated JPNA Trauma Center, New Delhi, India |

Academic Record

| | College/University | Year of Passing | Distinctions/ Honors |
|---------------------------------|--|-----------------|---|
| M.B.B.S. | S.N. Medical College, Agra | Nov.1993 | <u>Distinction</u> in Biochemistry, <u>Merit Certificates</u> in Anatomy, Physiology, Pharmacology, |
| M.S. (General surgery) | K.G. Medical College, Lucknow | Nov. 1998 | |
| D.N.B. (General surgery) | National Board of Examinations, New Delhi | April 2000 | |
| M.Ch (Neurosurgery) | All India Institute of Medical Sciences, New Delhi | May 2005 | |

Positions Held:

| S.no. | Position | From - To | Institution |
|-------|--|----------------------|--|
| 1 | Senior Resident in General Surgery | 10.1.99- 31.07.99 | Asopa Hospital Agra |
| 2 | Chief Resident in General Surgery | 02.08.99- 01.08.2000 | S.N. Medical college, Agra |
| 3 | Senior Resident in department of Neurosurgery | 22.02.01-12.07.02 | G.T.B. Hospital, New Delhi |
| 4 | Senior Resident in Department of Neurosurgery | 13.7.02- 12.7.05 | All India Institute of Medical Sciences, New Delhi |

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|---|---|--------------------|--|
| 5 | Senior Research Officer | 13.7.05- 25.9.05 | Department of Neurosurgery, All India Institute of Medical Sciences, New Delhi |
| 6 | <u>Assistant professor</u> Department of Neurosurgery | 26.9.05- 30.6.2009 | All India Institute of Medical Sciences and associated Jai Prakash Narain trauma Center, New Delhi |
| 7 | <u>Associate professor</u> Department of Neurosurgery | 1.7.2009- ongoing | All India Institute of Medical Sciences and associated Jai Prakash Narain trauma Center, New Delhi |

VISITING OBSERVERSHIPS:

- Department of Neurosurgery, Shri Chitra Tirunal Institute of Medical Sciences and Technology, Trivandrum, Kerala (01.03.05-15.03.05)
- Department of Neurosurgery, K.E.M. Hospital, Parel, Mumbai (16.03.05- 24.03.05)
- Department of Neurosurgery, P.D.Hinduja Hospital and Medical Research Centre, Mahim, Mumbai (25.03.05-31.03.05)

FELLOWSHIPS:

- Fujita Health University- from 18th August 2008- 18th November 2008- cerebrovascular, skull base, spine, cadaveric dissection and endovascular neurosurgery- **(Programme Director- Prof Hirotoshi Sano)**
- Hospital Univeritario Cajuru, Pontifical Cathlic University of Parana, Curitiba, Brazil; **AO Spine fellow- (Programme Director- Prof Luis Vialle)**

COURSES ATTENDED:

- **Attended Basic Spine Course**, conducted by AO Spine at Chennai, India (20th-22nd June, 2008)
- **Attended the 2nd Indo-Israel course on Trauma systems and mass casualty management**, held at JPNA Trauma Center, AIIMS, from 18th-27th November, 2009

- **Successfully passed and achieved the Instructor Candidate status in the Advanced Trauma Life support course (ATLS),** held at JPNA Trauma Center, from 16th-21st April, 2009
- **Successfully passed and achieved the Faculty status in the Advanced Trauma Life support course (ATLS),** held at JPNA Trauma Center, from 7-9th May, 2009. (ATLS ID- 402773)

RESEARCH PAPERS / DISSERTATIONS:

- Comparison of Conventional Cholecystectomy and Laparoscopic cholecystectomy- A cost effective and cost benefit analysis
- Acoustic Neuromas: Surgical Outcome with special reference to Facial Nerve preservation. Dissertation for Award of M.Ch Neurosurgery, AIIMS, New Delhi (2005)
- Prospective Study of Clinicopathological Features and Treatment Outcome in Giant Pituitary Adenomas. Dissertation for Award of M.Ch Neurosurgery, AIIMS, New Delhi (2005)

PUBLICATIONS- 41

Papers Published (27)

- **Non-Indexed Journals- 5**
- **Indexed Journals- 22**

Abstracts Published- 10

Chapters in books- 4

1st Author: 24

Corresponding Author: 17

h- index- 4

1. **Sinha S**, Agarwal Deepak, Mahapatra AK. Split Cord Malformations: An Experience of 203 Cases. *Child Nervous System* 2006;22(1):3-7. (An invited article).
2. **Sinha S**, Sharma BS. Cystic Acoustic Neuromas: Surgical outcome in a series of 58 patients. *J of Clin Neurosc* 2008;15:511-518.

3. **Sinha S**, Sharma BS. Malignant paraganglioma of the sellar region simulating pituitary macroadenoma: case report and review of literature. *J of Clin Neurosc* 2008;15:937-939
4. **Sinha S**, Sharma BS, Sarkar Chitra, Mahapatra. Giant pituitary adenomas: Surgical outcome in a series of 127 cases. *PanArab J Neurosurg* 2008; 12(2): 60-66.
5. **Sinha S**, Borkar Sachin. Chronic Calcified extradural Hematoma in a child: Case report and review of literature. *India J Neurotrauma* 2008;5(1):51-52.
6. **Sinha S**, Sharma BS. Microsurgical management of giant acoustic neuromas: An institutional series of 400 cases. *Asian J Neurosurg* 2008;11:47-56
7. **Sinha S**, Sharma BS. Neurocysticercosis: Review of current status and management. *J Clin Neurosci* 2009;16:867-876
8. **Sinha S**, Takeya Watabe, Yoko Kato, Daikichi Oguri, Shei Imizu, Junpei Oda, Masahiro Omura, Akiyo Sadato, Natsuki Hattori, Keiko Irie, Motoharu Hayakawa, Hirotoishi Sano. Suction decompression assisted clipping of large and giant internal carotid artery aneurysms- An experience in 13 cases and review of literature. *J Bras Neurocirurg* 2008; 19(4):14-20.
9. **Sinha S**, Sharma B S. Giant Pituitary adenomas- An Enigma Revisited: Microsurgical treatment strategies and outcome in a series of 250 patients. *Br J Neurosurg*. Feb 2010; 24(1): 23–31
10. **Sinha S**, Gujjar H, Sharma BS. Survival after a penetrating injury traversing midbrain - case report. *Br J Neurosurg*. 2010 Aug;24(4):477-8
11. **Sinha S**, Sharma BS, Mahapatra AK. Microsurgical management of prolactinomas - Clinical and hormonal outcome in a series of 172 cases. *Neurol India* 2011;59:532-6
12. Yoko Kato, **Sinha S**, Hirotoishi Sano, Takeya Watabe, Junpei Oda, Daikichi Oguri, Shuei Imizu. Microsurgical management of thrombotic aneurysms. *World Neurosurgery*. Vol 6; No 1 (Published online)
13. Sharma BS, **Sinha S**. Treatment of Giant pituitary adenomas: An update. *Neurosurgery Quarterly* 2007;17(2):120-127
14. Sharma BS, **Sinha S**. Pediatric intracranial aneurysms- clinical characteristics and outcome of surgical treatment. *Child nerv system* 2007;23(3):327-33.
15. Kasliwal MK, **Sinha S**, Sharma BS, Garg A. Symptomatic Central canal rupture heralding the presence of an asymptomatic conus dermoid. *Journal of Neurooncol* 2007;84(1):39-40.

16. Kasliwal MK, **Sinha S**, Sharma BS. Bilateral anterior cerebral artery aneurysm due to mucormycosis - a case report. *J of Clin Neurosc J Clin Neurosci* 2009 Jan;16(1):156-9
17. Agarwal S, Suri V, Rishi A, Garg A, Sharma MC, **Sinha S**, Sarkar C. Glioneuronal tumor with neuropil-like islands: A new entity. *Neuropathology*. 2008 Jun 17. [Epub ahead of print]
18. Kasliwal MK, **Sinha S**, Yadav OP, Kumar Rajinder, Sharma BS. Giant hemispherical calcified subdural empyema – unusual complication after nine years of ventriculoperitoneal shunt insertion. *Indian J Ped* 2009 Jun;76(6):651-2.
19. Borkar SA, Kasliwal MK, **Sinha S**, Sharma BS. MR Imaging in Aneurysmal Bone Cyst of the Orbit. *Turk Neurosurg*. 2008 Apr;18(2):183-6
20. Kasliwal MK, Srivastava R, **Sinha S**, Kale SS, Sharma BS. Vasospasm after transsphenoidal pituitary surgery: A case report and review of the literature. *Neurol India*. 2008 Jan-Mar;56(1):81-3.
21. Borkar SA, **Sinha S**, Sharma BS. Post- traumatic compound elevated fracture of skull simulating a formal craniotomy. *Turk Neurosurg*. 2009 Jan;19(1):103-5
22. Jain A, Suri V, **Sinha S**, Aggarwal D, Sharma MC, Sarkar C. A large posterior frontal solid cystic mass in a 1-year-old female. *Neuropathology*. 2009 Jun;29(3):323-6.
23. Borkar SA, **Sinha S**, Sharma BS. Remote site Extradural Hematoma. *J Clin Neurosciences*. 2009 Aug;16(8):1097-8.
24. Amit Thapa, P Sarat Chandra, **Sinha S**, Aditya Gupta, Manmohan Singh, Ashish Suri, B S Sharma. Surgical interventions in intracranial arteriovenous malformations: Indications and outcome analysis in a changing scenario. *Neurol India*. 2009. Nov-Dec; 57 (6):749-755.
25. Yerramneni VK, Chandra PS, Kasliwal MK, **Sinha S**, Suri A, Gupta A, Sharma BS. Recovery of oculomotor nerve palsy following surgical clipping of posterior communicating artery aneurysms. *Neurol India*. 2010 Jan-Feb;58(1):103-5.
26. Thapa A, Chandra SP, **Sinha S**, Sreenivas V, Sharma BS, Tripathi M. Post-traumatic seizures-A prospective study from a tertiary level trauma center in a developing country. *Seizure*. 2010 May;19(4):211-6.
27. Rathore YS, **Sinha S**, Mahapatra AK. Transsellar transsphenoidal encephalocele: A series of four cases. *Neurol India*. 2011 Mar-Apr;59(2):289-92.
28. Jindal G, Kumar A, Gamanagatti S, **Sinha S**. Posttraumatic transcalvarial brain herniation into the eyelid. *Emerg Radiol*. 2010 Nov;17(6):507-9. Epub 2010 Aug 28.

29. Agrawal D, Sahoo S, Satyarthee GD, Gupta D, **Sinha S**, Misra MC. Initial experience with mobile computed tomogram in neurosurgery intensive care unit in a level 1 trauma center in India. *Neurol India* 2011;59:739-42.
30. Ailawadhi P, Agrawal D, Satyarthee GD, Gupta D, **Sinha S**, Mahapatra AK. Use of O-arm for spinal surgery in academic institution in India: Experience from JPN apex trauma centre. *Neurol India* 2011;59:590-3.
31. Ailawadhi P, Agrawal D, Satyarthee GD, Gupta D, **Sinha S**, Mahapatra AK. Authors' reply. *Neurol India* [serial online] 2011 [cited 2011 Oct 24];59:796

Abstracts Published (10)

1. The Surgical Treatment of Post- Traumatic Brachial Plexus Lesions- A Personal Experience of 78 Cases. *J Neurosurg* 113:August 2010 ; A440 (PAPER 835)
2. Pediatric intracranial aneurysms- clinical characteristics and outcome of surgical treatment. *Childs Nerv Syst* 2007, 23:1047-1090
3. Giant Pituitary adenomas- a series of 177 cases: proposal of a novel surgical classification. Proceedings of the 9th Annual conference of skull base surgery society of India.
4. Proceedings of the 9th Annual conference of skull base surgery society of India. An unusual case of bilateral anterior cerebral artery aneurysm due to mucormycosis.
5. Epidemiology of head injury in elderly. Abstract book of 14th Annual conference of Neurotrauma society of India, 2005.
6. Early cerebral monitoring in severe traumatic brain injury- A comparison of near infrared spectroscopy and transcranial Doppler ultrasonography: A pilot study in 11 patients. Trauma 2008 conference abstract book
7. Unstable dorsolumbar fractures: A prospective series of 94 cases. *Indian J Neurotrauma* 2010;7(1):55-60
8. Correlation of cerebral perfusion pressure and transcranial doppler monitoring with non-invasive cerebral oximetry in severe traumatic brain injury. Trauma 2009 conference abstract book
9. Treatment options for hemorrhagic contusions- craniectomy versus craniotomy. Trauma 2009 conference abstract book

10. Prognostic variables in Head injury associated deaths: A 2-year retrospective study at AIIMS. Abstract book of 15th Annual conference of Neurotrauma society of India, 2006

Chapters in Book(s)- 4

1. Sharma BS, **Sinha Sumit**. Intracranial Melanocytic tumors. In Textbook of neurosurgery. (In Press)
2. Sharma BS, **Sinha Sumit**, Mahapatra AK. Prolactinomas: Result of surgical treatment in a series of 158 cases. In Progress in clinical neurosciences (Vol. XXI).
3. Sharma BS, **Sinha Sumit**. Neurocysticercosis. In Textbook of Neurosurgery. (In Press)
4. Sharma BS, **Sinha Sumit**. Intracavernous aneurysms. In Textbook of Neurosurgery. (In Press)

PAPERS AND POSTERS PRESENTED:

1. *Split Cord Malformations: An Experience of 203 Cases*. 14th Annual conference of the Indian Society for Pediatric Neurosurgery, S.G.P.G.I. Lucknow. October 2003
2. *Split Cord Malformations- AIIMS experience*. 6th Annual Micro Neurosurgery Workshop, AIIMS, New Delhi, February 2004.
3. *Acoustic Neuromas: Surgical Outcome with special reference to Facial Nerve preservation*. 6th Annual Conference of SBSSI and WFNS Skull Base study group Workshop, November 2004.
4. *Head Injury in the elderly- AIIMS experience*. 14th Annual Conference of Neurotrauma Society of India, Kolkata, August 2005
5. *Acoustic Neuromas: Surgical Outcome*. 55th Annual Conference of Neurosurgical society of India, Vizac, December 2005.
6. *Prognostic variables in head injury-associated deaths: A 2-year retrospective study at AIIMS*. 15th Annual Conference of Neurotrauma Society of India, Kolkata, August 2006
7. *Giant pituitary adenomas: Surgical outcome in a series of 177 cases*. 56th Annual Conference of Neurosurgical society of India, Madurai, December 2005.
8. *Giant pituitary adenomas: Surgical outcome in a series of 177 cases- Proposal for a novel surgical classification*. 8th European skull base society, Prague, Czech Republic, May 2007

9. ***Intracranial aneurysms in children- are they different from adults. An experience in 66 cases.*** 35th Annual meeting of International Society of Pediatric Neurosurgery, Liverpool, UK, Sep 2007
10. ***Giant pituitary adenomas: Surgical outcome in a series of 177 cases- Proposal for a novel surgical classification.*** 9th Annual Conference of Skull Base Surgery Society of India, New Delhi, October 2007.
11. ***Bilateral anterior cerebral artery aneurysm due to mucormycosis.*** Presented at the Clinical combined round at the All India Institute of Medical Sciences, New Delhi, India, on October 2007
12. ***Bilateral anterior cerebral artery aneurysms due to mucormycosis.*** Poster Presentation at the 9th Annual Conference of Skull Base Surgery Society of India, New Delhi, October 2007.
13. ***Correlation of cerebral oximetry and transcranial Doppler with intracranial pressure in severe traumatic brain injury.*** Poster Presentation at the 58th Annual Conference of Neurological surgical Society of India, Agra, India. December 2007.
14. ***Split Cord Malformations: An Experience of 203 Cases.*** Presented at 2008 Aichi summer forum for practical spinal surgery, held at Aichi, Japan, on August 2008.
15. ***Correlation of cerebral oximetry and transcranial Doppler with intracranial pressure in severe traumatic brain injury.*** Paper presentation in the Neurotrauma Session at the Congress of Neurological Surgeons annual conference held at Orlando, Florida, USA on 20th- 25th September 2008
16. ***Suction decompression assisted clipping of large and giant ICA aneurysms,*** presented at the Cerebrovascular meeting held at Kanazawa, Japan, on October 2008.
17. ***Correlation of cerebral oximetry and transcranial Doppler with intracranial pressure in severe traumatic brain injury,*** presented at the Ist Annual Trauma Conference of Indian Society of Trauma and acute care, November 2008
18. ***Dilemmas in management of brachial plexus injuries.*** Guest Lecture delivered at the Trauma conference held at JPNA Trauma center, AIIMS, on November 2008.
19. ***Giant pituitary adenomas: a series of 177 cases – proposal for a novel surgical classification.*** Guest Lecture delivered at the Delhi Neurological association meeting held in February 2009 at AIIMS, New Delhi, India
20. ***Giant Pituitary adenomas- An Enigma Revisited: Microsurgical treatment strategies and outcome in a series of 250 patients,*** presented as a poster at the Annual congress of neurological surgeons, held at New Orleans, USA, on October 2009

21. ***Surgical interventions in intracranial arterio-venous malformations: indications and outcome analysis in a changing scenario***, presented at the 9th International Conference on Cerebrovascular Surgery, to be held on 11-13th November, 2009 at Nagoya, Japan.
22. ***Clipping Patterns in Acoma Aneurysms***, presented at the 9th International Conference on Cerebrovascular Surgery, to be held on 11-13th November, 2009 at Nagoya, Japan.
23. ***Suction decompression assisted clipping of large and giant ICA aneurysms***, presented at the 9th International Conference on Cerebrovascular Surgery, to be held on 11-13th November, 2009 at Nagoya, Japan.
24. ***Evidence based practice in spinal trauma***. Guest Lecture delivered at the spinal meeting organized by Synthes, at New Delhi, India on December 2009.
25. ***Early versus late surgery in spinal cord injury***. Guest Lecture delivered at the spinal meeting organized by Synthes, at New Delhi, India on December 2009.
26. ***Outcome after surgery for traumatic brachial plexopathies***- presented at 78th Annual meeting of American neurological society, at Philadelphia, USA, on 1-5th May 2010
27. ***Quality of life and disability after surgery for traumatic brachial plexopathies***- Presented at 17th Annual conference of the Neurotrauma society of India, held at Chennai, on 20-22nd August 2010
28. ***Quality of life and disability after surgery for brachial plexus injuries***. Presentation at the 61st Annual Conference of Neurological surgical Society of India, Jaipur, India. December 2010
29. ***Microsurgical outcome after surgery for traumatic Brachial plexopathies***. Presented at the 4th Biennial meeting of brachial plexus surgery group of India, held at Bangalore, India on 16-18th February 2011

GUEST LECTURES DELIVERED

1. Trauma conference held at JPNA Trauma center, AIIMS, on November 2008- ***Dilemmas in management of brachial plexus injuries***.
2. Delhi Neurological association meeting held in February 2009 at AIIMS, New Delhi, India- ***Giant pituitary adenomas: a series of 177 cases – proposal for a novel surgical classification***.
3. As an Instructor for the ATLS Course, held in JPNA TRAUMA Centre on 7-9th May 2009- ***Spine and Spinal cord injuries***.

4. Invited talk for the school teachers at the Mount Caramel school, New Delhi- *First Aid Management of school injuries in Children*
5. Invited talk for the school teachers at the Birla Vidya Niketan School, New Delhi- *Spreading swine flu awareness and preventive measures in schools*
6. Invited Lecture for the nurses and paramedical staff at JPN Apex Trauma Centre, on 19th May 2009- *Glasgow Coma Score and Pupillary assessment-*
7. As a course faculty for the ATLS Course, held in JPNA Trauma Centre on December 2009- *Head Injury Management.*
8. Spinal educational meeting organized by Synthes, at New Delhi, India on December 2009. *Evidence based practice in spinal trauma.*
9. Spinal educational meeting organized by Synthes, at New Delhi, India on December 2009- *Early versus late surgery in spinal cord injury.*
10. Invited lecture on *Hyperprolactinemia- Neuorurgeons perspective*, at the gynecologic endocrinologic society meeting, held at AIIMS, New Delhi, on 16-17th April 2011.

SESSIONS CHAIRED

1. **Neurotrauma conference** conducted as a part of 'Trauma 2008' at JPN Apex trauma Centre, AIIMS, New Delhi, India 28 Nov 2008
2. **Session on Minimally invasive spinal procedures:** at the 1st Live surgery and Hands-On cadaveric workshop on Minimally Invasive Spinal Surgery, at JPNA Trauma Center, AIIMS, New Delhi; on 23rd-25th July 2009
3. **AVM controversies in management and what's for future of Brain and Spinal AVMs:** at the 9th International Conference of Cerebrovascular surgeons, held at Nagoya, Japan, on November 2009

MEMBERSHIPS:

1. Member of Neurological Society of India (NSI)
2. Member of Skull base surgery society of India (SBSSI)
3. Member of Indian Society of Pediatric Neurosurgery (ISPN)

4. Member of International society for brachial plexus and peripheral nerve injury (ISBPPNI)
5. Member of AO spine Surgeons International
6. Member of Association of Spine Surgeons of India (ASSI)
7. Member of Neurotrauma Society of India (NTSI)
8. Member of American Association of Neurological Surgeons (AANS)
9. Member of Congress of Neurological Surgeons (CNS)
10. Member of National Neurotrauma Society (NTS)
11. Member of American Spinal Injury Association (ASIA)

AWARDS

1. **Awarded the Karl Storz Fellowship** for the paper entitled 'Microsurgical Management of Giant pituitary adenomas: A series of 177 cases', presented at the 8th European Skull Base Surgery Congress; held at Prague, Czech Republic, May 2007.
2. **Awarded the International Society of Pediatric Neurosurgery Scholarship** for the paper entitled 'Intracranial aneurysms in children- are they different from adults. An experience in 66 cases'; presented at the 35th Annual meeting of International Society of Pediatric Neurosurgery, Liverpool, UK, Sep 2007.
3. **Awarded the WFNS traveling fellowship** to attend the 8th European Skull Base Surgery Congress, May 2007; held at Prague, Czech Republic, and to present a paper entitled 'Microsurgical Management of Giant pituitary adenomas: A series of 177 cases'.
4. **Awarded the CSIR international traveling fellowship** to attend the 8th European Skull Base Surgery Congress, May 2007; held at Prague, Czech Republic, and to present a paper entitled 'Microsurgical Management of Giant pituitary adenomas: A series of 177 cases'.
5. **Awarded the DST and INSA international traveling fellowship** to attend the 35th Annual meeting of International Society of Pediatric Neurosurgery, Liverpool, UK, Sep 2007, and presenting the paper entitled 'Intracranial aneurysms in children- are they different from adults. An experience in 66 cases'.
6. **Best Poster award** for the poster entitled 'Bilateral anterior cerebral artery aneurysms due to mucormycosis', presented at the 9th Annual Conference of Skull Base Surgery Society of India. New Delhi, India, October 2007

7. **Best Poster award** for the poster entitled 'Correlation of cerebral oximetry and transcranial Doppler with intracranial pressure in severe traumatic brain injury', presented at the 58th Annual Conference of Neurological surgical Society of India, Agra, India. December 2007.
8. **Attended Basic Spine Course** conducted by AO Spine at Chennai, India (20th-22nd June, 2008)
9. **Best Paper award** for the paper entitled 'Correlation of cerebral oximetry and transcranial Doppler with intracranial pressure in severe traumatic brain injury', presented at the 1st Annual Trauma Conference of Indian Society of Trauma and acute care, November 2008
10. **Successfully passed and achieved the Instructor Candidate status in the Advanced Trauma Life support course (ATLS)**, held at JPNA Trauma Center, from 16th-21st April 2009
11. **Successfully passed and achieved the Faculty status in the Advanced Trauma Life support course (ATLS)**, held at JPNA Trauma Center, from 16th-21st April 2009
12. **Awarded the Association of South Asian Neurosurgeons Travelling Fellowship to attend the Annual meeting of congress of neurological surgeons, to be held on 24th-29th October, 2009 at New Orleans, Louisiana, USA.**
13. **Awarded the WFNS traveling fellowship** to attend the 9th International Conference on Cerebrovascular Surgery, to be held on 11-13th November, 2009 at Nagoya, Japan.
14. **Awarded the Young Neurosurgeon Award** to attend the 9th International Conference on Cerebrovascular Surgery, to be held on 11-13th November, 2009 at Nagoya, Japan.
15. **Awarded the prestigious AOSpine fellowship-** to undergo advanced training in spinal surgery techniques at Queens Hospital, Nottingham, UK; under Dr Michael Grevitt. (to be commenced from 15th June 2010)
16. **Nominated by the International Who's Who Historical Society,** for the contribution in the field of Medicine

REVIEWER OF JOURNALS

1. Molecular & Biochemical Parasitology.
2. Sultan Qaboos University Medical journal

WORKSHOPS AND CONFERENCES ORGANIZED:

1. Faculty in ATLS courses held round the year at JPNATC, AIIMS

2. Course director for '**Neurotrauma workshop**' conducted as a part of 'Trauma 2008' at JPN Apex trauma Centre, AIIMS, New Delhi, India 28th Nov 2008
3. Organizing Secretary- **Ist Live surgery and Hands-On cadaveric workshop on Minimally Invasive Spinal Surgery**, at JPNA Trauma Center, AIIMS, New Delhi; on 23rd-25th July 2009
4. Course director for '**Neurotrauma workshop**' conducted as a part of 'Trauma 2009' at JPN Apex trauma Centre, AIIMS, New Delhi, India 12th Nov 2009
5. **AIIMS operative and AOSpine advances cadaver workshop on spinal surgery**, at All India Institute of Medical Sciences, New Delhi, India; on 12-14th November, 2010
6. **Course Director, Cadaveric Hands On training on Brachial plexus surgery**; conducted as a part of 'Trauma 2010' at AIIMS, New Delhi, India 26th November 2010

RESEARCH EXPERIENCE-

Worked as Senior research officer in a Multicentric, randomized controlled trial on the preliminary efficacy of factor VIIa in subjects with contusional brain injury, at Department of Neurosurgery, All India Institute of Medical Sciences, New Delhi (13.7.05- 25.9.05)

RESEARCH PROJECTS

As a Chief Investigator:

1. Role of Simvastatin in prevention of vasospasm and improving functional outcome after aneurysmal Sub-arachnoid hemorrhage: A Prospective Randomized Double blind Placebo controlled trial. AIIMS funded project (Intramural research grant)
2. Role of human umbilical cord blood stem cells and neural stem cells in neuronal regeneration and functional restoration: A comparative study in male adult rats with acute spinal cord injuries. DBT funded project under the **Rapid Young Investigator scheme** 2011
3. Proposal for the establishment of a cadaveric dissection facility at the Jai Prakash Narain apex trauma center, All India institute of medical sciences, New Delhi, India- ICMR funded project
4. A Randomized Placebo controlled trial (Factorial design) of Progesterone with or without hypothermia in subjects with acute severe traumatic brain injury- DBT funded project

As a Co-Investigator:

1. A Phase II randomized double blind placebo controlled dose finding safety and tolerability trial of XY- 2405 as a treatment for traumatic brain injuries
2. **Brain trial** (Bradykinin B2 receptor antagonist in Neurotrauma): A Multicentric randomized trial by London school of Hygiene & Tropical medicine
3. **DECRA trial** (Decompressive craniectomy in severe head injury): A Multicentric Randomised trial being conducted in USA.
4. **CRASH2 trial**: A Multicentric Randomised trial by London school of Hygiene & Tropical medicine
5. Randomised Evaluation of Surgery with Craniectomy for Uncontrollable Elevation of Intra- Cranial Pressure (**RescueICP study**) - international, multicenter, prospective, randomised, controlled trial on the role of decompressive craniectomy in management of severe traumatic brain injury

M.Ch THESIS

As a Co-Guide:

1. Early cerebral monitoring in patients with severe head injury- A comparison of Near infra red spectroscopy and transcranial Doppler ultrasonography.
2. Comparison of anterior cervical discectomy and fusion versus cervical laminoplasty for the surgical management of multiple level cervical spondylotic myelo-radiculopathy: A retrospective study.
3. Correlation of coagulation abnormalities in severe traumatic brain injuries with patient outcome. A prospective analysis
4. Pediatric Bony Cranio-vertebral Junction anomalies: Indian Perspective and treatment challenges.
5. Evaluation of Fibrillin (FBN-1) gene (Exon-24) for the molecular characterization of developmental bony Cranio-vertebral Junction anomalies- A preliminary study
6. Recovery of III rd nerve paresis following surgical clipping of ruptured PComm aneurysms- A prospective study
7. Epidemiological Study of Post-traumatic seizures in India. Amit Thapa, Sumit Sinha, Sarat P Chandra, Sharma BS

8. Surgical Interventions in Arteriovenous malformations: Outcome analysis and changing scenarios. Amit Thapa, Sumit Sinha, Sarat P Chandra, Sharma BS
9. Correlation of coagulation abnormalities in severe traumatic brain injuries with patient outcome. A prospective analysis. Gaurav Chabra, Arul Silvi, Sumit Sinha
10. Traumatic Brachial Plexus Injuries- Analysis of Surgical Outcomes. Lakshmi Prasad, Sumit Sinha, B S Sharma
11. Correlation of Diffusion Tensor Imaging Tractography with clinical outcome during recovery from severe traumatic brain injury. Lakshmi Prasad, Sumit Sinha, B S Sharma
12. Comparative evaluation of patient outcomes in medical versus surgical treatment of prolactinomas. Pankaj Jain, Sumit Sinha, B S Sharma
13. Correlation of Diffusion Tensor Imaging Tractography with cognitive outcome in subjects with mild traumatic brain injury. Pankaj Jain, Sumit Sinha, B S Sharma

CONFERENCES AND WORKSHOPS ATTENDED:

1. Completed Multi-disciplinary Training programme in emergency and critical care conducted by K.G.Medical College, Lucknow in November 1997, in association with Alleghany University, U.K..
2. 1st Mid- NEUROCON conference, AIIMS, New Delhi, August 2002
3. 5th Annual MicroNeurosurgery Workshop, AIIMS, New Delhi, 2003.
4. 14th Annual conference of the Indian Society for Pediatric Neurosurgery, S.G.P.G.I. Lucknow. October 2003
5. 6th Annual MicroNeurosurgery Workshop, AIIMS, New Delhi, 2004.
6. 2nd Indo- Japanese Neurosurgery Conference, AIIMS, New Delhi, Feb 2004
7. 6th Annual Conference of SBSSI and WFNS Skull Base study group Workshop, November 2004.
8. 6th Annual Conference of SBSSI and WFNS Skull Base study group Workshop, Hands on Cadaveric workshop at KEM Hospital, Mumbai. November 2004.
9. 7th Annual MicroNeurosurgery Workshop, AIIMS, New Delhi, 2005.
10. 14th Annual Conference of Neurotrauma Society of India, Kolkata, August 2005
11. 54th Annual Conference of Neurosurgical society of India, Vizac, December 2005.
12. 8th Annual MicroNeurosurgery Workshop, AIIMS, New Delhi, 2006.
13. 15th Annual Conference of Neurotrauma Society of India, Kolkata, August 2005
14. 55th Annual Conference of Neurosurgical society of India, Madurai, December 2006.
15. 9th Annual MicroNeurosurgery Workshop, AIIMS, New Delhi, February 2007.

16. 4th South Asian Neurosurgical Congress, New Delhi, February 2007
17. 3rd workshop on neuroendoscopic surgery and cadaveric dissection course, Mumbai, April 2007
18. 8th Congress of European skull base society, Prague, Czech Republic, May 2007
19. 35th Annual meeting of International society of Pediatric neurosurgery, Liverpool, UK, September 2007
20. 9th Annual Conference of SBSSI and WFNS Skull Base study group Workshop, Hands on Cadaveric workshop at AIIMS, New Delhi, October 2007
21. 56th Annual Conference of Neurosurgical society of India, Agra, December 2007
22. 10th Annual MicroNeurosurgery Brain and Spine Workshop, AIIMS, New Delhi, February 2008
23. 7th Indo-Japanese Neurosurgery Conference, Chennai, February 2008
24. WFNS education course and hands on Endoscopic Brain course, Goa, May 2008
25. Ginde oration, Mumbai, April 2008
26. AO Spine Basic course, Chennai, India
27. Ist Annual Trauma Conference of Indian Society of Trauma and acute care, November 2008
28. 2nd Indo-Israel course on Trauma systems and mass casualty management, held at JPNA Trauma Center, AIIMS, 18th-27th November, 2009
29. WFNS-WIIC Middle East Workshop, Amman, Jordan, January 2009
30. 11th Annual MicroNeurosurgery Workshop, AIIMS, New Delhi, February 2009
31. Ganga Operative spine workshop course, held in Coimbatore on 30th April-3rd May 2009
32. Annual congress of neurological surgeons, held at New Orleans, USA, on October 2009
33. 9th International Conference on Cerebrovascular Surgery, to be held on 11-13th November, 2009 at Nagoya, Japan.
34. IInd Annual Trauma Conference of Indian Society of Trauma and acute care, New Delhi, November 2009
35. 78th Annual Conference of American association of neurological surgeons, held at Philadelphia, USA; on 1-5th May 2010
36. 17th Annual conference of Neurotrauma society of India, held on 20-22nd August 2010, at Chennai, India
37. 61st Annual Conference of Neurosurgical society of India, Jaipur, December 2010

38. 4th Biennial meeting of brachial plexus surgery group of India, held at Bangalore, India
on 16-18th February 2011

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