

# CURRICULUM VITAE



**Dr. Umesh Srikantha**

*M.Ch (Neurosurgery)*

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**QUALIFICATION:**

Sr. No:	Qualification	Institution	University	Year of Passing
1.	Matriculation	Jawahar Navodaya Vidyalaya, Gajanur, Shimoga, Karnataka.	CBSE Board, New Delhi	1994
2.	Pre University	Jawahar Navodaya Vidyalaya, Gajanur, Shimoga, Karnataka.	CBSE Board, New Delhi	1996
<b>Basic medical Qualification</b>				
3.	MBBS	Karnataka Institute of Medical Sciences, Hubli, Karnataka.	RGUHS, Karnataka	2001
<b>Post-graduate Medical Qualification</b>				
4.	M.Ch (Neurosurgery)	National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore, Karnataka.	NIMHANS , Bangalore	2008
<b>Fellowships</b>				
5.	Fellowship in Minimally invasive spine surgery	Dr. Seungcheol Lee Nanoori hospital	Incheon, South Korea	2012

**CURRENT MEDICAL LICENSE:** Karnataka Medical Council (Reg. No. 62832)

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**MEMBERSHIPS:**

Minimally Invasive Spine Surgeons of India (MISSI)(EC)  
Association of Spine Surgeons of India (ASSI)  
Neuro-spinal Surgeons Association (NSSA)  
Neurological Society of India - NSI  
Bangalore Neurological Society – BNS  
Indian Medical Association – IMA (Bangalore)  
Skull Base Surgery Society of India (SBSSI)

**AWARDS:**

Silver Jubilee Award for the 'Best Outgoing Student' of M.Ch in Neurosurgery from NIMHANS, Bangalore for the year 2008.

**AREAS OF SPECIAL INTEREST:**

- i. Minimally Invasive/ Endoscopic Spine Surgery
- ii. Complex Spine surgery
- iii. Stereotactic and Functional Neurosurgery
- iv. Neuro-oncology

**WORK EXPERIENCE:**

Post	Institute	Period	Duration
Consultant Neurosurgeon, Head of spine services	Aster CMI, Bengaluru, Karnataka	02-05-2016 to till date	
Associate Professor	Dept. of Neurosurgery, M S Ramaiah Medical Teaching Hospital, Bangalore, Karnataka.	01-11-2011 to 30-04-2016	4yr, 6 months
Assistant Professor	Dept. of Neurosurgery, M S Ramaiah Medical Teaching Hospital, Bangalore, Karnataka.	18-05-2009 to 31-10-2011	2 yr, 6 months
Senior Resident (Post M.Ch) (equivalent to Chief Resident)	Dept. of Neurosurgery, NIMHANS, Bangalore, Karnataka.	01-09-2008 to 16-05-2009	8 months
Senior Resident (PGY 4 and 5)	Dept. of Neurosurgery, NIMHANS, Bangalore, Karnataka.	01-09-2006 to 31-08-2008	2 years
Junior Resident (PGY 1, 2, 3)	Dept. of Neurosurgery, NIMHANS, Bangalore, Karnataka.	01-09-2003 to 31-08-2006	3 years
Internship (House Officer)	Rotated among various clinical departments, at KIMS, Hubli, Karnataka.	27-07-2001 to 26-07-2002	1 Year

## DETAILED SCOPE OF WORK:

Presently, I am working as Consultant Neurosurgeon and Head of Spine services at Aster CMI hospital, Bangalore. On an average, I see 10-12 patients in OPD on a daily basis and perform around 25-30 spine surgeries in a month. Most of the spine surgeries would be done using minimally invasive techniques. Apart from routine spine surgeries, many complex and novel spine procedures are also performed using minimally invasive techniques, such as multilevel cervical decompressions, corpectomy and anterior vertebral reconstructions, Atlantoaxial fixations, spinal tumor resections and degenerative deformity corrections.

I also attend around 1-2 CME/ Workshop/ conferences every month as an Invited faculty, either to deliver lectures, Chair sessions, Perform live surgeries or to Train delegates on minimally invasive spine surgery techniques on cadavers. Till date, I have trained more than 100 delegates (ortho and Neurosurgeons) from across the country on Minimally invasive spine surgical techniques. CME credits earned by these activities far exceed the requirements of our medical council. Due to regular interaction with senior colleagues and listening to lectures from international faculty in conferences or workshops, I also get to learn a lot and keep updated with the recent developments in clinical knowledge, technology and surgical techniques. As a result, several novel procedures have been inculcated in surgical practice such as PELD, LLIF (DLIF and OLIF) and degenerative scoliosis corrections.

## RESEARCH:

1. During my Neurosurgery residency, I worked as a co-investigator in a study to assess the efficacy of a novel drug AP12009 (TGF- $\beta$ 2 antisense phosphorothioate oligonucleotide – Inhibitor of TGF- $\beta$ 2), presently known as '**Trabedersen**' in recurrent high grade gliomas. It was called "a multi-national, multi-center, open-label, active-controlled, randomized parallel-group dose-finding study to evaluate the efficacy and safety of two doses of AP 12009 in adult patients with recurrent high-grade glioma, administered intratumorally as continuous high-flow microperfusion over a 7-day period every other week". The study was funded by **Anti-sense Pharma, Germany** and was co-ordinated in India by SIRO Clinpharm Pvt. Ltd, Mumbai. There were 14 test subjects from our centre (NIMHANS, Bangalore).
2. During my Neurosurgery residency, I was associated with a multi institutional project on "A prospective study to correlate gene signatures with clinical outcome of astrocytomas and identification of potential therapeutic target(s) in glioblastoma". The project was funded by the **Council for Scientific and Industrial Research (CSIR)**, Government of India. In this project, I assisted in analyzing the association of certain novel glioblastoma biomarkers with the clinical progression and survival of patients with

glioblastoma. This led to some of our publications on glioblastoma biomarkers in peer reviewed cancer journals such as ‘Clinical Cancer Research, Cancer Biology and therapy’.

3. During my Neurosurgery residency, I was involved in a study to evaluate the clinical, histological features and expression of immunohistochemical markers in medulloblastoma, and to correlate these features with recurrence rates. The most important predictors of recurrence were extent of resection, chemotherapy, presence of gross anaplasia, and c-erb B2 over expression which formed the composition of a clinical-histological-immunohistochemical’ model for medulloblastoma proposed in our study. This work was submitted to NIMHANS as a dissertation in partial fulfillment of the requirements for the M.Ch degree, and also has been published in British Journal of Neurosurgery.

**COURSES ATTENDED LOCALLY - AS INVITED FACULTY/ ORGANIZING SECRETARY**

S. no	Date	Name of event	Venue	Commitment
67	Jan 26-27, 2018	KNACON 2018 – 8 <sup>th</sup> annual conference of the Karnataka Neurosciences Academy.	Hubballi	Lecture
66	Jan 18-21, 2018	ASSICON 2018 – 31 <sup>st</sup> annual conference of the Association of Spine Surgeons of India.	Chennai	Lecture
65	30 Nov – 3 Dec, 2017	NSICON 2017 – 66 <sup>th</sup> annual conference of the Neurological Society of India (NSI)	Nagpur	Session Moderator Lecture
64	Nov 11-12, 2017	Spine Boot camp (ACSE)	Chennai	Lecture Interactive Modules
63	Oct 27– 29, 2017	MISSICON 2017 - 4 <sup>th</sup> annual meeting of Minimally Invasive Spine Surgeons of India	Chennai	Lecture Session Chair
62	Oct 21, 2017	Merc course – MIS- TLIF, PPF and DLIF’,	MSRALC, Bangalore	Lecture Train Delegates on Cadaver
61	Sep 1– 3, 2017	WESSCON 2017 – Annual conference of the World Endoscopic Spine Society	New Delhi	Lecture
60	Aug 18-20, 2017	World Neurosciences summit – Basics and Beyond.	New Delhi	Lecture Performed Live surgery

59	Aug 11-13, 2017	Instructional course in Spine (ICS)	Kovalam	Lecture Luncheon Seminar
58	April 7-9, 2017	MIS-LiveCad 2017 – 1 <sup>st</sup> MISSI Annual Live Surgery and Cadaver Course	Bengaluru	Organizing Secretary
57	Mar 11, 2017	AMASS 2017 – Advanced MASS operative workshop	Cochin	Lecture Performed Live surgery
56	Jan 26-29, 2017	ASSICON-2017 - 30 <sup>th</sup> annual conference of the Association of Spine Surgeons of India	Hyderabad	Lecture
55	Nov 26-27, 2016	Fundamentals of T/L spine surgery - Cadaver course	Bengaluru	Lecture Train Delegates on Cadaver
54	Nov 6, 2016	Cadaver capsule course (Nav-Spine-MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
53	Oct 22-23, 2016	AOspine Advanced Level Specimen Course in Cervical Spine	MSRALC Bengaluru	Guest Lecture
52	Oct 14-16, 2016	MISSICON-2016 -3 <sup>rd</sup> annual meeting of Minimally Invasive Spine Surgeons of India	New Delhi	Lecture
51	Sep 27, 2016	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
50	Sep 17-18, 2016	5 <sup>th</sup> IASA course – ‘Essentials in Spine – Anterior approach to Cervical and Thoracolumbar Spine’	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
49	Sep 10-11, 2016	MAST cadaver course	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
48	Sep 4, 2016	Cadaver Capsule course (Posterior Cervical Instrumentation)	Dehradun	Lecture Train Delegates on Cadaver
47	Aug 24, 2016	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
46	Aug 13-14, 2016	MastCon 2016 (Minimal access spine technique conference)	Trivandrum	Lecture (2)
45	Aug 10, 2016	Cadaver Capsule Course (Nav-Spine-MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
44	July 6, 2016	Cadaver capsule course (Nav-Spine-MAST)	MSRALC Bengaluru	Lecture

				Train Delegates on Cadaver
43	Jun 29, 2016	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
42	Jun 18, 2016	K-MISS (Kavery Minimally invasive Spine Surgery) course	Chennai	Lecture Performed Live surgery
41	Apr 24, 2016	CME on 'Challenges in Spine Surgery- making it safe and simple'	Hyderabad	Lectures (2)
40	Apr 23, 2016	Fundamentals in Spine surgery – Spinal Trauma	New Delhi	Lectures (2)
39	Apr 19, 2016	Cadaver capsule course (Conventional TLIF),	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
38	Mar 10, 2016	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
37	Feb 12, 2016	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
36	Feb 7, 2016	Cadaver capsule course (Navspine-Posterior cervical)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
35	Jan 30, 2016	Cadaver capsule course (Navspine-Posterior cervical)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
34	Dec 13, 2015	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
33	Oct 23-25, 2015	MISSICON-2015 - 2 <sup>nd</sup> annual meeting of Minimally Invasive Spine Surgeons of India	Mumbai	Lecture (1)
32	Jul 29, 2015	Cadaver capsule course (Nav-Spine - MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
31	Jul 22, 2015	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
30	Jul 21, 2015	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
29	Jul 04, 2015	Merc course – Cadaveric course on TLIF, PPF and DLIF	MSRALC Bengaluru	Lecture



				Train Delegates on Cadaver
28	Mar 23, 2015	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
27	Feb 16, 2015	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
26	Feb 14, 2015	Craniovertebral Junction Surgery made easy	Cochin	Lecture (1)
25	Feb 6-7, 2015	“1 <sup>st</sup> NSI-AANS spine cadaver course”	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
24	Feb 1, 2015	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
23	Jan 16, 2015	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
22	Nov 22-23, 2014	MISSICON-2014 - 1 <sup>st</sup> annual meeting of Minimally Invasive Spine Surgeons of India	Ahmedabad	Lecture (1)
21	Oct 14, 2014	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
20	Sep 27-28, 2014	Posterior Cervical Spine solutions	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
19	Sep 19, 2014	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
18	Aug 13, 2014	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
17	July 9, 2014	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
16	Jul 4-5, 2014	Total MAST degenerative solutions’, MSRALC, Bangalore, India	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
15	May 10-11, 2014,	1 <sup>st</sup> Minimally Invasive Transforaminal Endoscopy training program	MSRALC Bengaluru	Course Co-ordinator

14	May 1-4, 2014	MSR Spine Symposium and Cadaver workshop- Degenerative lumbar spine disease and Minimal access Spine surgery	Bengaluru	Organizing Secretary Lecture
13	Mar 24, 2014	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
12	Feb 23, 2014	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
11	Nov 20, 2013	Cadaver capsule course (MAST, Posterior cervical fixation)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
10	Dec 12, 2013	Cadaver capsule course (MAST)	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
9	Sep 14-15, 2013	Advances in Spine surgery- MAST	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
8	Aug 10 -11, 2013	Cadaver workshop on Total cervical spine solutions	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
7	Aug 3-4, 2013	Cadaver course on Microlumbar Discectomy, Conventional Discectomy and Lumbar Pedicle screw instrumentation	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
6	Jul 27-28, 2013	Total MAST degenerative solutions- A hands-on cadaver course	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
5	Mar 10 2013	Management of Osteoporotic Spinal pathologies- A hands-on cadaver course	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
4	Dec 14-15, 2012	Cadaver course on MAST, BKP and Posterior cervical stabilisation	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
3	Sep 15-16, 2012	IASA cadaver course on 'Emerging Techniques in Complex Spine - A bioskills Experience	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
2	Aug 17-18, 2012	Cadaver course on MAST Lumbar Degenerative Solutions	MSRALC Bengaluru	Lecture Train Delegates on Cadaver
1	Mar 10, 2012	1 <sup>st</sup> Annual Spine Cadaver Workshop (Cervical Arthroplasty and ACDF using PEEK-Prevail)	MSRALC Bengaluru	Organising Secretary

**COURSES ATTENDED LOCALLY - [AS DELEGATE](#)**

S.no	Date	Name of event	Venue
22	Oct 10-11, 2015	Skull Basecon 2015- Annual conference of the skull base surgery society of India	Bengaluru
21	Dec 2014	NSICON-2014: 63 <sup>rd</sup> annual conference of the Neurological Society of India	Coimbatore
20	Nov 2014	1 <sup>st</sup> Bangalore Neuro-Update	Bengaluru
19	Sep 2014	NEUROVASCON 2014: 14 <sup>th</sup> annual conference of cerebrovascular society of India	Bengaluru
18	Aug 21-23, 2015	Neurotrauma 2015: 24 <sup>th</sup> annual conference of the Neurotrauma Society of India	Bengaluru
17	Jan 19, 2014	Neuro-urology CME-2014	Bengaluru
16	Dec 2013	NSICON-2013: 62 <sup>nd</sup> Annual conference of the Neurological Society of India	Mumbai
15	Jun 2013	3 <sup>rd</sup> International Neurosurgery Update	Mumbai
14	Apr 26-28, 2013	9 <sup>th</sup> International Workshop on Endoscopic Endonasal Skull Base Surgery	Jaipur
13	Dec 2011	NSICON 2011 - 60 <sup>th</sup> Annual conference of the Neurological Society of India	Bengaluru
12	Nov 2011	EPICON-2011: Conference on Temporal lobe epilepsy. Current consensus in medical and surgical treatment	Bengaluru
11	Sep 2011	SPINE-2011: Annual conference of the Neuro-spinal surgeons of India	Bengaluru
10	Oct 2-3, 2010	A Hands-on course on advances in spinal care (Hands-on workshops on Cervical disc arthroplasty, Percutaneous posterior cervical fixations, Kyphoplasty, Percutaneous pedicle screw fixation)	New Delhi
9	Oct 2010	BASECON-2010: XII annual conference of the skull base surgery society of India	Trivandrum
8	Apr 2010	MODICON-2010: First Annual meeting of Movement Disorder Surgery	Bengaluru
7	Dec 2008	NSICON 2008 - 57 <sup>th</sup> Annual conference of the Neurological Society of India	Pune
6	Dec 2007	NSICON 2007 - 56 <sup>th</sup> Annual conference of the Neurological Society of India	Agra
5	Dec 2006	NSICON 2006 - 55 <sup>th</sup> Annual conference of the Neurological Society of India	Madurai
4	Apr 2006	Neurosurgery Update and Neuroendoscopy Workshop	Bengaluru

3	Sep 2005	Endoscopic Skull Base Surgery Workshop (Hands-on cadaver workshop)	Hyderabad
2	Dec 2004	NSICON 2004 - 53 <sup>rd</sup> Annual conference of the Neurological Society of India	Indore
1	Dec 2004	Endoscopic Spine Surgery Workshop and Neurology Update	Indore

**COURSES ATTENDED INTERNATIONALLY - [AS INVITED FACULTY](#)**

S. no	Date	Name of event	Venue	Commitment
1	Jun 12-15, 2017	NSpine Main Conference	Royal College of Surgeons, London, UK	Lectures (5)

**COURSES ATTENDED INTERNATIONALLY - [AS DELEGATE](#)**

S. no	Date	Name of event	Venue
6	Dec 8-9, 2016	Spine Surgical Educators (APAC region) Focus group meeting	Singapore
5	Sep 5, 2015	Hemostasis and sealing in Spine Surgery,	Minimally invasive Surgical Skills center, Hongkong

4	Nov 27-29, 2013	First Navigated 3-D ultrasound (SONOWAND) hands-on course	Bratislava, Slovakia.
3	Nov 2011	The 5 <sup>th</sup> advanced course in degenerative spine surgery: Symposium and cadaver workshop on Minimally invasive lumbar surgery	Seoul, South Korea
2	Nov 15-17, 2010	Stereotaxy and Functional Neurosurgery workshop	Academisch Medisch Centrum, Amsterdam, Netherlands
1	Mar 2009	Marseille Neurosurgery 2009- Joint Annual Meeting EANS-SFNC	Marseille, France

### **PUBLICATIONS:**

1. Jagannatha AT, **Srikantha U**, Khanapure K, Joshi KC, Varma RG. Giant posterior fossa dural cavernoma in a child. Childs Nerv Syst. 2017 Apr;33(4):691-694.
2. **Srikantha U**, Khanapure K, Jagannatha AT, Joshi KC, Varma RG, Hegde AS. Minimally invasive Atlanto-axial fusion: Cadaveric study and report of 5 clinical cases. J Neurosurg Spine. 2016 Dec;25(6):675-680. Epub 2016 Jul 15.
3. Jagannatha AT, Khan MA, Karanth S, **Srikantha U**, Varma RG, Mahadevan A. Managing a Rare Malignant Sweat Gland Tumor Invading the Brain: Case Report and Literature Review. World Neurosurgery 2016;86:513.e1-7 (<http://dx.doi.org/10.1016/j.wneu.2015.09.042>)
4. Jagannatha AT, Joshi KC, Rao S, **Srikantha U**, Varma RG, Mahadevan A. Pediatric calcified intramedullary schwannoma at conus: A common tumor in a vicarious location. J Pediatr Neurosci. 2016 Oct-Dec; 11(4): 319–321. doi: [10.4103/1817-1745.199474](https://doi.org/10.4103/1817-1745.199474)
5. Lee SC, **Srikantha U**. Surgical management of Giant Lumbar Extradural Schwannoma: Report of 3 cases. Int J Spine Surg 2015;9:18 (doi: 10.14444/2018)

6. Lee SC, **Srikantha U**. Spinous Process splitting Laminectomy: Clinical outcome and Radiological analysis of extent of decompression. *Int J Spine Surg* 2015;9:20 (doi: 10.14444/2020)
7. Aniruddha TJ, Kiran K, Krishna CJ, **Umesh S**, Ravi GV. Two children with Split cord malformation. *Pediatric Neurol* 2015;53(5):468-9  
DOI: <http://dx.doi.org/10.1016/j.pediatrneurol.2015.03.021>
8. Subramanian N, **Srikantha U**, Sitabkhan M, Jagannatha AT, Khanapure K, Varma RG, Hegde AS. Minimally Invasive vs Open Transforaminal Lumbar Interbody Fusion - Early outcome observations. *J Spinal Surg* 2014;2(1):1-7.
9. Subramanian N, **Srikantha U**, Jagannatha AT, Khanapure K, Varma RG, Hegde AS. Posterior Cervical Laminoforaminotomy: A Comparative study between Open vs Minimally Invasive approach. *J Spinal Surg* 2014;2(1):8-12.
10. Lee SC, Kang JH, **Srikantha U**, Jang IT, Oh SH. Extraforaminal compression of L5 nerve root at the lumbo-sacral junction: Clinical analysis, Decompression technique, and Outcome. *J Neurosurg Spine*. 2014 Apr;20(4):371-9. doi: 10.3171/2013.12.SPINE12629
11. Jagannatha AT, **Srikantha U**, Murthy PR, Varma RG, Chakravarthy H, Hegde AS. Unique paradoxical atlantoaxial dislocation with C1-C2 facet diastases and isolated ligamentous injury to the craniovertebral junction without neurological deficits: A case report. *J Craniovertebr Junction Spine*. 2013 Jul;4(2):90-3. doi: 10.4103/0974-8237.128542.
12. **Umesh Srikantha**, Kiran Khanapure, Murali Mohan S, Ravi Gopal Varma. Sphenoidal ectopic ACTH-secreting Pituitary adenoma. *J Pioneering Med Sci* 2012;2(2) (Apr-Jun) (online)
13. **Srikantha U**, Khanapure K, Nirmala S, Varma RG. Occipital dermal sinus with a vermian dermoid. *J Neurosci Rural Pract* 2012;3:392-4
14. Madhugiri VS, Sastri BV, **Srikantha U**, Banerjee AD, Somanna S, Devi BI, Chandramouli BA, Pandey P. Focal intradural brain infections in children: An analysis of management and outcome. *Pediatric Neurosurgery* 2011;47(2):113-24
15. **Umesh Srikantha**, Anandh Balasubramaniam, Vani Santosh, Sampath S, Indira Devi B, Chandramouli BA. Recurrence in medulloblastoma – Influence of clinical, histological and immunohistochemical factors. *British Journal of Neurosurgery* 24(3):280-288, 2010.
16. **Umesh Srikantha**, Jagadeesh V Morab, Savitr Sastry, Rojin Abraham, Anandh Balasubramaniam, Sampath Somanna, Indira Devi, Chandramouli BA, Paritosh Pandey. Outcome of Ventriculo-Peritoneal Shunt in Grade IV Tubercular Meningitis with Hydrocephalus- A retrospective analysis of 95 patients. *J Neurosurg Pediatrics* 4:176-183, 2009
17. **Srikantha U**, Tandon A, Santosh V, Anandh B, Sampath S, Chandramouli BA, Sastry KVR. Clinical and immunohistochemical prognostic factors in adult glioblastoma patients. *Clin Neuropathol* 28(5):362-72, 2009.
18. Reddy SP, Britto R, Vinnakota K, Aparna H, Sreepathi HK, Thota B, Kumari A, Shilpa BM, Vrinda M, **Umesh S**, Samuel C, Shetty M, Tandon A, Pandey P, Hegde S, Hegde AS, Balasubramaniam A, Chandramouli BA, Santosh V, Kondaiah P, Somasundaram K, Rao MR. Novel glioblastoma markers with diagnostic and prognostic value identified through transcriptome analysis. *Clin Cancer Res*. 2008 May 15;14(10):2978-87.

19. **Umesh Srikantha**, Indira Devi Bhagavatula, Satish Satyanarayana, Sampath Somanna, Bengaluru A Chandramouli. Spinal osteochondroma: spectrum of a rare disease. J Neurosurg Spine. 2008 Jun ;8 (6):561-566.
20. Reddy PS, **Umesh S**, Thota B, Tandon A, Pandey P, Hegde AS, Balasubramaniam A, Chandramouli BA, Santosh V, Rao MR, Kondaiah P, Somasundaram K. PBEF1/NAmPRTase/Visfatin: a potential malignant astrocytoma/glioblastoma serum marker with prognostic value. Cancer Biol Ther. 2008 May;7(5):663-8.
21. Pandey P, **Umesh S**, Bhat D, Srinivas D, Abraham R, Pillai S, Balasubramaniam A, Devi I, Sampath S, Chandramouli BA. Cerebellar abscesses in children: excision or aspiration? 1: J Neurosurg Pediatrics. 2008 Jan;1(1):31-4.
22. Britto R, **Umesh S**, Hegde AS, Hegde S, Santosh V, Chandramouli BA, Somasundaram K. Shift in AP-2alpha localization characterizes astrocytoma progression. Cancer Biol Ther. 2007 Mar;6(3):413-8.

### **TEACHING EXPERIENCE:**

**Assistant and Associate Professor, M S Ramaiah Medical College and Hospital, Bangalore, India. May 2009 – April 2016**

The department of Neurosurgery at MS Ramaiah Medical College runs a PG course for M.Ch in Neurosurgery (3 year training program for students who have completed MS in General Surgery). During my tenure there, I was involved in training the neurosurgery PGs in surgical techniques, Case examination and presentation, prepare and moderating seminars and Journal clubs and publishing papers in journal as part fulfillment for their PG course. I was a qualified PG teacher with 8 years experience.

The medical college also conducts undergraduate medical (MBBS) and various post-graduate courses including nursing and physiotherapy. I was involved in teaching students of these courses (chiefly General Surgery residents), both didactic lectures and clinical teaching.

I have also independently performed various cranial and spine surgeries here, besides assisting at a great many others. The entire range of spine surgery including craniocervical junction surgery, microscopic surgeries for lumbar and cervical disc prolapse, instrumented and un-instrumented spinal fusion, spinal tumors and spine trauma were performed routinely. Cranial procedures for neuro-oncological disorders (such as gliomas, meningiomas and complex skull base tumors), aneurysms, AV malformations, endoscopic procedures, etc were also treated routinely.

**Senior Resident, Department of Neurosurgery, NIMHANS, Bangalore (Sept. 2006 to May 2009)**

As a senior resident I have assisted in various routine and complex neurosurgical procedures-skull base surgery, vascular surgery, spine surgeries, instrumented fusions, intra cranial tumors, pituitary surgeries, endoscopic and endoscope-assisted micro-neurosurgies.

I have, under supervision and also independently performed surgeries for intracranial tumors, intra spinal tumors, cervical & lumbar discectomies and fusions.

While posted in the Accident & Emergency services, I have headed the Neurosurgery Trauma teams manning the A & E services. The A&E service at NIMHANS routinely handles 50-60 head trauma patients every day besides managing spine injuries and other non-injury neurosurgical emergencies such as tumor bleeds, etc. I have been closely associated in the decision-making and management of acute traumatic head injury patients and spine trauma cases including performing cranial trauma surgeries, intra cranial space occupying lesions and CSF diversion procedures on a routine basis. Supervision of the other junior and senior residents during trauma surgery is a routine part of the work responsibility.

During this period, I have also worked at the Gamma Knife Radiosurgery unit at our institution with regards to patient selection, patient scheduling, planning and dose delivery. This has given me an in depth understanding of the technical aspects and practical experience. I have also performed Stereotactic biopsies (Leksell and CRW) independently and a few endoscopic procedures (ETV, ETV biopsy).

This teaching post also provided me an oppprtunity to be involved in teaching for the M Ch residents in the ORs, on ward rounds and Grand rounds. I was also involved in teaching students of the nursing and physiothetrapy courses.

**Any Other Educational / Professional activity –**

NA

**No prior interviews with Ministry of Health, Oman**



**No Permanent physical disabilities**

**Not under treatment for any chronic illness**

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