



Profile

Date of Birth 12th May 1981
Religion Zoroastrian – Ordained as a Priest in the Zoroastrian faith in 1992
Nationality Indian
Marital Status Married to Debashree Turel, an Architect with specialization in Urban Design
Spoken Languages English, Hindi, Gujarati, Marathi

Education

1997 ICSE Bombay Scottish School (Distinction)
1999 HSC D.G Ruparel College (Distinction)
2005 MBBS Grant Medical College and Sir JJ Group of Hospitals- Mumbai (5 Distinctions)

Pre-Residency

2005 Senior House surgeon: Neurosurgery Intensive Care Unit at the Christian Medical College, Vellore.
2006 Pre-residency in the Department of Neurosurgery as Non-PG Registrar in Christian Medical College.

Residency

2007-2012 M.Ch. Neurosurgery at the Christian Medical College (CMC) Vellore; (Gold Medalist)
Dr. MGR University Tamil Nadu

Licensing

2005 April Maharashtra Medical Council Registration No. 2005/04/2506
2007 August Tamil Nadu Medical Council Registration No. 77378
2008 August USMLE Step 1 & 2 completion and ECFMG Board Certification
2015 March USMLE Step 3
2012 August Certified Neurosurgeon by MGR University and CMC Vellore, Tamil Nadu

Observerships

2012 October Departments of Neurosurgery at the Hiroshima Medical University, Osaka Medical University and the Shinshu Medical university (Matsumoto) In Japan for one week each in October 2012
2014 November Six week observership at various Departments of Neurosurgery in USA –University of St. Louis, University of Miami, Barrow Neurological Institute, Phoenix-Arizona.

Current Position

2017 Nov-Present Consultant Neurosurgeon at Wockhardt Hospitals, South Mumbai, India.

Previous Positions

2017 July-August 2017 Fellowship in Cerebrovascular surgery at Huashan Hospital, Fudan University, Shanghai, China.
2016 July – June 2017 Fellowship in Complex & Minimally invasive Spine Surgery, Rush University Medical Centre, Chicago, USA
2015 July – June 2016 Fellowship in Neuro-oncology and Skullbase Surgery, Toronto Western Hospital, ON, Canada.
2014 Dec - 2015 June Consultant Neurosurgeon at Sir HN Reliance Foundation Hospital and Research Centre, Mumbai.
2012 -2014 November Consultant Neurosurgeon (Assistant Professor) in the Department of Neurological Sciences, CMC, Vellore.

Memberships & Affiliations

Medical Council of India (2005/04/2506)
Tamil Nadu Medical Council (77387)
Life member of the Neurological Society of India (TNS 45)
Life member of the Indian Society of Neuro-oncology (ISNO-217)
Walter E. Dandy Neurosurgical Society
Life member of the Bombay Neurosciences Association
Life member of the Association of Medical Consultants (AMC-India)

Teaching Experience

Post graduate teaching: Clinical neurology and neurosurgery for MCh neurosurgery students.
Paramedical teaching: Neurology and Neurosurgery for nursing, physiotherapy and occupational therapy students.
Undergraduate teaching: Clinical Neurology for MBBS students at CMC, Vellore, India.

Thesis & Current Research

Thesis Subject The effect of pre-treatment with a tyrosine kinase inhibitor (PP1) on brain oedema and neurological function in an automated cortical cryoinjury model in mice.
Clinical Research Skull base tumors, Degenerative cervical spine disease

Scholarships

1. American Association of South Asian Neurosurgeons (AASAN) scholarships to visit various departments of Neurosurgery in America that specialize in skull base and cerebrovascular surgery. (Oct –Dec 2014)
2. SNO (Society of Neuro-oncology) travelling fellowship Nov 2014 to attend the annual meeting in Miami.

Workshops & CME

2008 March Health Data Management and Statistical software programs, CMC Vellore
2008 March Early Management of Trauma Course (EMTC), CMC Vellore
2008 April Research Methodology by the Department of Bio-statistics, CMC Vellore
2009 July Continuing Medical Education on Update in Radio Diagnosis, CMC Vellore
2010 November Institute of Neurology, Madras Medical College's Neurology CME, Chennai
2010 December Neurological Society of India's 3D Live Cadaveric Dissection Workshop, Jaipur
2011 April High speed drills hands on workshop and CME by Midas Rex, CMC Vellore
2011 October Endoscopic and microscopic workshop at the 13th annual SBSSI, CMC Vellore
2012 January Institute of Neurology, Madras Medical College's Neurology CME, Chennai
2012 February Neurological Society of India's First Post graduate instructional course, Mumbai
2012 March Ginde oration and CME – Prof. Madjid Samii, Bombay Hospital, Mumbai
2012 September **One month Training Course on Minimally Invasive Neurosurgery Technologies & Management at Capital Medical University Xuanwu Hospital, Beijing –China**
2013 April Ginde oration and Cadaver workshop in Cervical spine and CV Junction instrumentation – Prof. Volker Sontag, Bombay Hospital, Mumbai.
2013 December Hands on Cadaver endoscopic spine workshop by Prof. Jean Destandau, Sir JJ Hospital, Mumbai.
2014 January Attended the Walter E. Dandy India chapter educational course held in Mamallapuram, India.
2014 February Attended the Skull Base and Vascular micro-neurosurgery workshop by Prof. Anil Nanda and Prof. Murali Guthikonda conducted at the Sathya Sai Baba hospital, Whitefield, Bangalore, India.
2014 February Attended the Prof. Takanori Fikushima 4 day symposium on Skull Base and Vascular neurosurgery with hands on microvascular anastomosis and temporal bone dissection at KEM Hospital, Mumbai, India.
2014 June 10th Endoscopic Skullbase surgery Workshop with Prof. Amin Kassam, Bombay Hospital, Mumbai, India.
2014 October Advanced Skull Base Microanatomy Dissection course with Prof. Fukushima, New Jersey, USA
2014 December Rhoton-Spetzler Microneurosurgical and endoscopic approaches to the Skull Base dissection course, Barrow Neurological Institute, Phoenix, Arizona, USA
2015 April Attended Ginde oration (James T. Goodrich) and 11th Endoscopic skullbase and craniofacial surgery workshop, Bombay Hospital, Mumbai, India.
2016 February Attended the SI-Bone i-fuse implant system cadaver course, Chicago, USA.
2016 March Attended the Evidence based Spine Surgery Symposium (Stryker), Chicago, USA.
2016 April Attended the Complications avoidance and management cadaver workshop (Globus), Nashville, USA.
2016 April Attended the Emerging MIS techniques cadaver workshop (Globus), Philadelphia, USA.
2016 May Attended the Advanced Resident and Fellow training Cadaver workshop (Stryker), Chicago, USA
2016 May Attended the Tricks of the trade Spine cadaver workshop (Globus), Henderson, USA
2016 July Attended the 23rd Advanced Techniques in Cervical Spine Decompression & Stabilization, St Louis, USA
2016 September Attended the AO Spine Controversies in Spine fellows Forum, Seattle, USA
2016 December Attended the Medtronic Decisions in spine: Principles and Technique course, Nashville, USA.
2017 May Attended the Resident and fellow cadaver lab (Stryker), Chicago, IL, on May 4, 2017.
2017 May Attended the Globus Annual fellows' day in Philadelphia on May 5, 2017.
2017 June Attended the K2M Adult Spinal Deformity workshop on June 4, 2017, Phoenix, USA
2017 June Attended the SI Bone, Sacro-iliac joint fusion technique Cadaver course on June 25, 2017, Chicago USA.
2017 November Attended and presented at the Intraoperative mapping and monitoring in Neurosurgery – New techniques in motor mapping (Dr. Kathleen Siedel) at Tata Memorial Hospital, Mumbai, India
2018 January Attended the 4th Water Dandy Neurosurgical Society International Educational Course India chapter from 4th to 6th November 2018, Agra, India
2018 January Attended the 1st Masterclass in Neurosurgical Oncology, from 26-28th January, Tata Memorial Center, Mumbai, India

Publications

1. **Turel MK**, Stephen E, Nayak S, Agarwal S. Venous aneurysms- a neglected pathology. Central European Journal of Medicine **2008**;3:503-4.
2. **Turel MK**, Kumar PP, Stephene E, Agarwal S. A 10-year experience of managing acute limb ischaemia in India. National Medical Journal of India **2008**;21:225-28.
3. Ganesamoni R, **Turel MK**, Agarwal S, Stephen E, Moses V, Mammen T. Controlled study of conventional surgery and ultrasound guided foam sclerotherapy for the treatment of primary SVI of lower limbs. Journal of Hainan Medical College **2009**;15:725-28.
4. Arnold D, Bit N, **Turel MK**, Shyamkumar NK, Stephen E, Agarwal S. Efficacy of preoperative embolization in management of carotid body tumours-a pilot study. Central European Journal of Medicine **2009**;4:337-39.
5. Yacob M, Stephen E, Bit N, **Turel MK**, Sadhu D, Agarwal S. Risk factors for peripheral arterial disease in the tropics and its comparison with the western population. Asian Pacific Journal of Tropical Medicine **2010**;3:407-9.
6. **Turel MK**, Chacko AG. Delayed resolution of extensive T2-weighted intramedullary signal changes after oblique corpectomy for cervical spondylotic myelopathy. British Journal of Neurosurgery **2011**;25:772-74.
7. Singh V, **Turel MK**, Chacko G, Joseph V, Rajshekhar V. Supratentorial extra-axial anaplastic ependymoma mimicking a meningioma. Neurology India **2012**;60:111-13.
8. **Turel MK**, Moorthy RK, Rajshekhar V. Multidrug-resistant tuberculous subdural empyema with secondary methicillin-resistant Staphylococcus aureus infection: An unusual presentation of cranial tuberculosis in an infant. Neurology India **2012**;60:231-34.
9. **Turel MK**, Joseph V, Singh V, Moses V, Rajshekhar V. Primary telangiectatic osteosarcoma of the cervical spine. Journal of Neurosurgery: Spine **2012**;16:373-8.
10. **Turel MK**, Asha HS, Rajaratnam S, Chacko G, Chacko AG. Thyroid stimulating hormone microadenoma as a rare cause of thyrotoxicosis amenable to surgical cure. Journal of Clinical Neuroscience **2012**;19:887-88.
11. Chacko AG, Joseph M, **Turel MK**, Prabhu K, Daniel RT, Jacob KS. Multilevel oblique corpectomy for cervical spondylotic myelopathy preserves segmental motion. European Spine Journal **2012**;21:1360-67.
12. Joseph M, **Turel MK**, Head injury induced diagnostic error. The Tamil Nadu MGR university Med-e Journal **2012**;2:2.
13. **Turel MK**, Chacko G, Raja A, Schiethaeur BW. Neurocristic cutaneous hamartoma of the scalp. Journal of Pediatric Neuroscience **2012**;7:181-4.
14. **Turel MK**, Moorthy RK, Sam GA, Samuel P, Muthukumar M, Babu S, Rajshekhar V. Effect of pre-treatment with a tyrosine kinase inhibitor (PP1) on brain oedema and neurological function in an automated cortical cryoinjury model in mice. Journal of Clinical Neuroscience **2013**;20:593-6.
15. **Turel MK**, Rajshekhar V: Sphenoid Sinus Tuberculosis – A rare cause of visual dysfunction in an adolescent girl. Neurology India **2013**;61:179-80.
16. **Turel MK**, Sarkar S, Prabhu K, Daniel RT, Jacob KS, Chacko AG. Reduction in range of cervical motion with serial long-term follow up in patients undergoing oblique corpectomy for cervical myelopathy. European Spine Journal **2013**;22:1509-16.
17. **Turel MK**, Rajshekhar V: Primary spinal extra-osseous intradural mesenchymal chondrosarcoma in a young boy. Journal of Pediatric Neuroscience **2013**;8:111-2

18. **Turel MK**, Chacko G, Chacko AG: Interhemispheric neurenteric cyst. *Neurol India* **2013**;61:563-5.
19. Chacko AG, Joseph M, **Turel MK**, Prabhu K, Daniel RT, Jacob K.S Answer to the Letter to the Editor of J.M. Duart Clemente et al. concerning "multilevel oblique corpectomy for cervical spondylotic myelopathy preserves segmental motion. *European Spine Journal* **2013**;22:2122.
20. Chacko AG, **Turel MK**, Sarkar S, Praphu K, Daniel RT. Clinical and radiological outcomes in 153 patients undergoing oblique corpectomy for cervical spondylotic myelopathy. *British Journal of Neurosurgery* **2014**;28:49-55.
21. **Turel MK**, Babu KS, Singh G, Chacko AG: The utility of facial nerve amplitude and latency ratios in predicting postoperative facial nerve function after vestibular schwannoma surgery. *Neurology India* **2014**;62:178-182.
22. Sarkar S, **Turel MK**, Jacob KS, Chacko AG. Postoperative evolution of T2-weighted intramedullary signal changes following the oblique cervical corpectomy for cervical spondylotic myelopathy. *Journal of Neurosurgery* **2014**;21:538-546.
23. **Turel MK**, Rakshekhar V. MR localization with cod-liver oil capsules for minimally invasive approach to small intradural extramedullary tumors of the thoraco-lumbar spine: a technical report. *Journal of Neurosurgery Spine*. **2014** Dec;21:882-5
24. **Turel MK**, Thakar S, Rajshekhar V. Quality of life following surgery for large and giant vestibular schwannomas– A prospective study. *Journal Neurosurgery* **2015**;122:303-11
25. Patel B, Chacko G, Anandan J, Nair S, Chacko AG, Rajshekhar V, **Turel MK**. Clinicopathological Correlates Of Primary Central Nervous System Lymphoma: Experience From A Tertiary Care Centre In South India. *Neurology India* **2015**;63:77-82.
26. **Turel MK**, Chacko AG: Postoperative arachnoid cyst causing visual deterioration following transsphenoidal excision of a pituitary adenoma. *Neurology India* **2015**;63:274-276
27. **Turel MK**, Prashant W, Rajshekhar V: Hemilaminectomy approach for intradural extramedullary spinal tumors: An analysis of 164 patients. *Neurosurgery Focus* **2015**; 39(2):E9
28. Sridhar K, **Turel MK**, Sharma PK, Garg RK. A summary of some of the recently published seminal papers in Neuroscience. *Neurol India*. **2015**;63:947-957
29. Sridhar K, **Turel MK**, Kumar N, Garg RK, Paliwal V, Das KK, Mehrotra A. A summary of some of the recently published papers in Neuroscience. *Neurol India*. **2016**;64:137-51
29. **Turel MK**, Prashant W, Chacko AG, Rajshekhar V: Giant vestibular schwannomas: Surgical nuances affecting outcome in 179 patients. *Neurol India*. **2016**;64:478-84
30. **Turel MK**, Bernstein M: Outpatient Neurosurgery. *Expert Rev Neurother*. **2016**;16:425-36
31. Sridhar K, **Turel MK**, Bhoi SK, Das KK, Mehrotra A. A summary of some of the recently published seminal papers in Neuroscience. *Neurol India*. **2016**;64:311-324
32. Sridhar K, **Turel MK**, Mukherjee KK, Tripathi M, Singh V, Das KK, Mehrotra A. A summary of some of the recently published seminal papers in neuroscience. *Neurol India*. **2016**;64:524-41.
33. **Turel MK**, Chin CJ, Vescan AD, Gentili F. Chronic Rhinosinusitis With Massive Polyposis Causing Proptosis Requiring Craniofacial Resection. *J Craniofac Surg*. 2016;27:e348-50
34. **Turel MK**, Tsermoulas G, Reddy D, Andrade-Barazarte H, Gentili F. Endonasal endoscopic transsphenoidal excision of tuberculoma sellae meningiomas: a systematic review. *J Neurosurg Sci*. 2016;60:463-75

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35. **Turel MK**, Rajshekhar V: Letter to editor: Wrong level surgery for intradural thoracic spinal tumour. Br J Neurosurg 2016 Aug;30:468-9.
36. Sridhar K, Paliwal V, Kohat AK, Takkar A, Yadav R, **Turel MK**, Tripathi M, Das KK, Mehrotra A. A summary of some of the recently published, seminal papers in neuroscience. Neurol India. 2016;64:758-781.
37. **Turel MK**, Chin CJ, Vescan AD, Gentili F. Vascularized Nasoseptal Flap for Medial Orbital Wall Reconstruction. J Craniofac Surg. J Craniofac Surg. 2016;27:1532-4.
38. **Turel MK**, Kucharczyk W, Gentili F. Optic nerve hemangioblastomas - A review of visual outcomes. Turk Neurosurg. 2017;27(5):827-831
39. Sridhar K, Tripathi M, Yadav R, Takkar A, **Turel MK**, Das KK, Mehrotra A. A summary of some of the recently published, seminal papers in neuroscience. Neurol India. 2016;64:1016-32
40. **Turel MK**, Bernstein M. Is outpatient brain tumor surgery feasible in India? Neurol India. 2016;64:886-95
41. Kerolus M, **Turel MK**, Tan L, Deutsch H. Stand-alone anterior lumbar interbody fusion: indications, techniques, surgical outcomes and complications. Expert Rev Med Devices. 2016;13:1127-1136
42. Sridhar K, **Turel MK**, Tripathi M, Yadav R, Takkar A, Das KK, Mehrotra A, Malhotra HS. A summary of some of the recently published, seminal papers in neuroscience. Neurol India. 2016;64:1285-1302
43. **Turel MK**, Kiehl TR, Gentili F. Extracranial temporal cavernous hemangioma: Differential diagnosis, and a review of literature. Neurol India. 2016 Nov-Dec;64(6):1347-1351.
44. **Turel MK**, Kiehl TR, Gentili F. Delayed hemorrhage after surgery and radiation in suprasellar pilocytic astrocytomas. J Pediatr Neurosci. 2016;11:170-174.
45. **Turel MK**, Tsermoulas G, Gonen L, Klironomos G, Almeida JP, Zadeh G, Gentili F. Management and outcome of recurrent adult craniopharyngiomas: an analysis of 42 cases with long-term follow-up. Neurosurg Focus. 2016 Dec;41(6):E11
46. **Turel MK**, Tsermoulas G, Yassin-Kassab A, Reddy D, Andrade-Barazarte H, Gonen L, Zadeh G, Gentili F. Tuberculum sellae meningiomas: a systematic review of transcranial approaches in the endoscopic era. J Neurosurg Sci. 2016 Nov 30. [Epub ahead of print]
47. Andrade-Barazarte H, Jägersberg M, Belkhair S, Tymianski R, **Turel MK**, Schaller K, Hernesniemi JA, Tymianski M, Radovanovic I. The Extended Lateral Supraorbital Approach and Extradural Anterior Clinoidectomy through a Fronto-pterio-orbital Window: Technical Note and Pilot Surgical Series". World Neurosurg. 2016 Dec 29. [Epub ahead of print]
48. Sridhar K, **Turel MK**, Tripathi M, Yadav R, Takkar A, Das KK, Mehrotra A. A summary of some of the recently published, seminal papers in neuroscience. Neurol India. 2017;65(1):152-164
49. **Turel MK**, Bernstein M. Author's Reply: Resurgence of day care surgery in Neurosurgery. Neurol India. 2017 Jan-Feb;65(1):230-232.
50. **Turel MK**, Kerolus MG, Adogwa O, Traynelis VC. Cervical arthroplasty: what does the labeling say? Neurosurg Focus. 2017 Feb;42(2):E2.
51. **Turel MK**, Kerolus M, Deutsch H. The role of minimally invasive spine surgery in the management of pyogenic spinal discitis. J Craniovertebr Junction Spine. 2017 Jan-Mar;8(1):39-43
52. Pandey P, **Turel MK**, Tripathi M, Yadav R, Srijithesh PR, Takkar A, Mehta S, Das KK, Mehrotra A. A summary of some of the recently published, seminal papers in neuroscience. Neurol India. 2017 Mar-Apr;65(2):360-372.

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53. **Turel MK**, Kucharczyk W, Gentili F. Spontaneous resolution of colloid cyst of the third ventricle: Implications for management. *Asian J Neurosurg.* 2017 Apr-Jun;12(2):203-206
54. Sridhar K, **Turel MK**, Tripathi M, Yadav R, Srijiithesh PR, Takkar A, Mehta S, Das KK, Mehrotra A. A summary of some of the recently published, seminal papers in neuroscience. *Neurol India.* 2017 May-Jun;65(3):607-619
55. Kerolus MG, **Turel MK**, O'Toole JE. An Unusual Presentation of Tapia Syndrome Mimicking a Partial Wallenberg Syndrome Following Anterior Cervical Spine Surgery. *J Neurosurg Anesthesiol.* 2017 Jun 30.
56. **Turel MK**, Kerolus MG, Deutsch H. Intradural spinal arachnoid cyst - A complication of lumbar epidural steroid injection. *Neurol India.* 2017 Jul-Aug;65(4):863-864.
57. Sridhar K, **Turel MK**, Tripathi M, Yadav R, Srijiithesh PR, Takkar A, Mehta S, Das KK, Mehrotra A. A summary of some of the recently published, seminal papers in neuroscience. *Neurol India.* 2017 Jul-Aug;65(4):850-862.
58. **Turel MK**, Kerolus MG, O'Toole JE. Minimally invasive "separation surgery" plus adjuvant stereotactic radiotherapy in the management of spinal epidural metastases. *J Craniovertebr Junction Spine.* 2017 Apr-Jun;8(2):119-126
59. Tsermoulas G, **Turel MK**, Wilcox JT, Shultz D, Farb R, Zadeh G, Bernstein M. Management of multiple meningiomas. *J Neurosurg.* 2017 Jul 21:1-7. doi: 10.3171/2017.2.JNS162608.
60. Sridhar K, **Turel MK**, Tripathi M, Yadav R, Srijiithesh PR, Takkar A, Mehta S, Das KK, Mehrotra A, Ahuja CK. A summary of some of the recently published, seminal papers in neuroscience. *Neurol India.* 2017 Sep-Oct;65(5):1112-1126
61. **Turel MK**, Wewel JT, Kerolus MG, O'Toole JE. Idiopathic thoracic transdural intravertebral spinal cord herniation. *J Craniovertebr Junction Spine.* 2017 Jul-Sep;8(3):288-290
62. Sridhar K, **Turel MK**, Tripathi M, Yadav R, Takkar A, Mehta S, Das KK, Mehrotra A, Ahuja CK. A summary of some of the recently published, seminal papers in neuroscience. *Neurol India.* 2017 Nov-Dec;65(6):1378-1390
63. **Turel MK**, Tripathi M, Yadav R, R SP, Takkar A, Mehta S, Ahuja CK, Mehrotra A, Das KK. A summary of some of the recently published, seminal papers in neurosciences. *Neurol India.* 2018 Jan-Feb;66(1):204-216
64. **Turel MK**, Kerolus MG, O'Toole JE. Ossified ligamentum flavum of the thoracic spine presenting as spontaneous intracranial hypotension: case report. *J Neurosurg Spine.* 2018 Jan 26:1-5. doi: 10.3171/2017.8.SPINE17513. [Epub ahead of print]

Textbook Chapters

1. **Turel MK**, Rajshekhar V. Thoracic spinal cord tumors: WFNS spine committee book on the Thoracic spine. Editor: Ramani VS
2. **Turel MK**, Alotaibi N, Gentili F. Tuberculoma Sellae Meningioma: Neurosurgery Case Review (NSCR Q&A Second Edition) Editor:
3. **Turel MK** and Traynelis VC. Acute Intervention for Cervical, Thoracic, and Lumbar Spinal Disc Disease. *Neurosurgical Emergencies*, 3rd edition. Editor: Christopher Loftus, MD
4. **Turel MK** and Traynelis VC: Cervical Radiculopathy. *Cases in Spinal surgery*. Editors: James S. Harrop, Christopher M. Maulucci and Nathan R. Selden.

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5. Wewel JT, **Turel MK**, Traynelis VC: How to revise a failed occipital cervical fusion. Revision Spine Surgery: Pearls and Pitfalls. Editors: Vaccaro AR, Schroeder GD, Baaj AA
6. **Turel MK**, Fentili F: Craniopharyngiomas: Designing a comprehensive surgical planning. Current and Advanced Neurosurgical Concepts and Techniques, Vol. I: Complex Brain Tumors and Vascular Lesions. Editor: Atul Goel
7. **Turel MK**, Kerolus G, Fessler RG: Minimally invasive thoracic decompression. Minimally invasive Spine Surgery: Surgical techniques and disease management (2nd Edition) Editors: Frank M. Philips, Isador H. Lieberman, David W. Polly Jr, Michael Y. Wang.
8. **Turel MK**, Kerolus G, Fessler: Thoracic Spinal endoscopy. Endoscopic procedures of the spine. Editors: Dr. Jin Sung Kim, Yong Ahn, Jun Ho Lee.
9. **Turel MK**, Kerolus MG, Traynelis VC Chapter 17: C2 neuropathy. Current and Advanced Neurosurgical Concepts and Techniques, Vol. III: Craniovertebral Junction Lesions. Editor: Prof. Atul Goel
10. Kerolus MG, **Turel MK**, Fessler RG Posterior Cervical MIS Techniques. In Tender G (Ed). Spine Surgery: 1st Edition, Springer 2017

Papers presented

1. Urinary Hemosiderine-Role in evaluation of venous ulcers. Turel MK, Stephen E, Agarwal S. Presented at the 1st National conference of Venous Diseases in Chennai, in April 2008.
2. Changing trends in presentation and management of Vestibular Schwannomas and reasons for delayed presentation. Rajshekhar V, Turel MK, Chacko AG, Ranjeeta A, Rupa V. Presented at the 10th Annual conference of the skull base surgery society of India in Mumbai, in October 2008.
3. Epidemiology, risk factors and outcome measurements in acute limb ischemia – A 10-year review. Turel MK, Kumar PP, Stephen E, Aharwal S. Presented at the 16th Annual conference of the Vascular society of India in Hyderabad, in November 2009.
4. Bi-nostril endoscopic trans-sphenoidal surgery for pituitary adenomas – A video presentation. Chacko AG, Turel MK. Presented at the 58th Annual conference of the Neurological society of India, in Lucknow in December 2009.
5. Is there a role for trans-cranial pituitary surgery? Chacko AG, Prateesh R, Turel MK, Prabhu K, Chacko G, Rajratnam S. Presented at the 40th annual conference of the Endocrine society of India in Vellore in December 2010.
6. Effect of pre-treatment with a tyrosine kinase inhibitor (PP1) on brain oedema and neurological function in an automated cortical cryoinjury model in mice. Turel MK, Moorthy RK, Sam GA, Samuel P, Muthukumar M, Babu S, Rajshekhar V. Presented at the Joint meeting of the 59th Annual conference of the Neurological society of India and the Congress of Neurological Surgeons in Jaipur in December 2010.
7. Reduction in range of cervical motion with serial long-term follow-up in patients undergoing oblique corpectomy for cervical myelopathy. Turel MK, Sarkar S, Prabhu K, Daniel RT, Jacob KS, Chacko AG. Presented at the Annual conference of the Neuro-Spinal Surgeons association of India in Bangalore in September 2011.
8. Quality of life following vestibular Schwannoma surgery for large and giant tumors. Turel MK, Samuel P, Rajshekhar V. Presented at the Joint Meeting of the 60th Annual conference of the Neurological Society of India and Italian society of neurosurgeons in Bangalore in December 2011.
9. Oblique corpectomy preserves segmental motion. Chacko AG, Joseph M, Turel MK, Prabhu K, Daniel RT, Jacob KS. Presented at the Joint Meeting of the 60th Annual conference of the Neurological Society of India and Italian society of neurosurgeons in Bangalore in December 2011.

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10. Reduction in range of cervical motion with serial long-term follow-up in patients undergoing oblique corpectomy for cervical myelopathy. Turel MK, Sarkar S, Prabhu K, Daniel RT, Jacob KS, Chacko AG. Presented at the 5th Japan-India Neurosurgical conference in Osaka, in October 2012.
11. Clinical presentation and surgical outcomes in giant vestibular schwannomas- Does size matter? Turel MK, Samuel P, Rajshekhar V. Presented at 10th Meeting of Asian Society for Neuro-Oncology Jointly with the 5th Annual Meeting of Indian Society of NeuroOncology. March, 2013.
12. Transphenoidal surgery for pituitary adenomas and 6 illustrative case discussions. Turel MK, Chacko AG. Presented at the 11th CMC Vellore Scientific symposium on Endocrine Tumors. July 2013.
13. Planning, Technique and Tips of Calvarial and Skull Base craniotomies and osteotomies. Turel MK and Chacko AG. Presented at the 11th Neurosurgery skills training workshop at AIIMS, New Delhi. August 2013.
14. Medial subfrontal approach to excision of craniopharyngiomas – Video presentation. Chacko AG and Turel MK. Presented at the 62nd Annual conference of the Neurological Society of India in Mumbai, in December 2013.
15. MR localization with cod-liver oil capsules for minimally invasive hemilaminectomy approach to intradural tumors of the thoraco-lumbar spine. Turel MK and Rajshekhar V. Presented at the 62nd Annual conference of the Neurological Society of India in Mumbai; December 2013.
16. Management of neurosurgical emergencies – A symposium for nurses. Turel MK and Chacko AG. Presented at the 62nd Annual conference of the Neurological Society of India in Mumbai; December 2013.
17. Quality of life following surgery for large and giant vestibular schwannomas – A prospective study. Turel MK, Thakar S, Rajshekhar V. Presented at the 6th Annual conference of Indian Society of Neuro-Oncology (ISNO) Lucknow, India; April 2014.
18. Quality of life issues in giant vestibular schwannomas. Turel MK, Thakar S, Rajshekhar V. Presented at the 12th Asian Oceanian Skull Base Surgery (AOISBS) meeting in Mumbai, India; January 2015.
19. The endoscopic endonasal approach in the management of recurrent craniopharyngiomas. Turel MK, Vescan A, Zadeh G, Gentili F. Presented at the 26th North American Skullbase society meeting in Scottsdale, Arizona; February, 2016.
20. Chronic rhinosinusitis with massive polyposis causing proptosis requiring craniofacial resection. Turel MK, Chin CJ, Vescan A, Gentili F. Presented at the 84th Annual meeting at the AANS in Chicago, May 2106.
21. The Surgical management of craniopharyngiomas: The role of endoscopy in primary and recurrent craniopharyngiomas. Turel MK, Vescan A, Zadeh G, Gentili F. Presented at the 7th World congress of endoscopic surgery, Chicago; May 2016.
22. Quality of life in large vestibular schwannomas. Turel MK, Thakar S, Rajshekhar V. Presented at the Acoustic Neuroma Association of Canada meeting in Toronto, June 2016.
23. Tuberculum sellae meningiomas - Systematic reviews: Turel MK, Zadeh, G, Gentili F: Presented at the SNO 1st International conference on Meningiomas in Toronto, June 2016.
24. Complications in the management of giant aneurysms: Turel MK, Andrade H, Tymianski M: Presented at the first International Conference on Complications in Neurosurgery (ICCN) in Mumbai, India from March 3-5, 2017.
25. The varying presentations of CSF leak after skull base surgery: Turel MK, Gentili F. Presented at the first International Conference on Complications in Neurosurgery (ICCN) in Mumbai, India from March 3-5, 2017.
26. Unusual deficit, unacceptable cause after posterior fossa tumor surgery. Turel MK. Presented at the first International Conference on Complications in Neurosurgery (ICCN) in Mumbai, India from March 3-5, 2017.
27. Horner's syndrome after ACDF: Turel MK, Traynelis VC. Presented at the first International Conference on Complications in Neurosurgery (ICCN) in Mumbai, India from March 3-5, 2017.

28. Minimally invasive retroperitoneal transpsoas fusion – Direct complication of a lateral approach. Turel MK, O'toole JE: Presented at the first International Conference on Complications in Neurosurgery (ICCN) in Mumbai, India from March 3-5, 2017.
29. When you don't see tumor where you expect it - Wrong level surgery or the tumor moved? Turel MK, O'toole JE: Presented at the first International Conference on Complications in Neurosurgery (ICCN) in Mumbai, India from March 3-5, 2017.
30. When technology fails: The cons of depending on navigation alone in minimally invasive correction of scoliosis. Turel MK, Fontes RB, Fessler RG: Presented at the first International Conference on Complications in Neurosurgery (ICCN) in Mumbai, India from March 3-5, 2017.
31. Circumferential correction of post-infectious thoracolumbar deformity in high-risk patients with active osteomyelitis. Turel MK, Kerolus MG, Fontes RB: Presented at the 15th Annual AO spine fellows forum in Banff, Canada from March 23-26, 2017.
32. Minimally invasive 'separation surgery' to enable adjuvant SBRT in the management of spinal epidural metastatic cord compression. Turel MK, Kerolus MG, O'toole JE: Presented at the 17th Annual Meeting of the International Society for the Advancement of Spine Surgery (ISASS) in Boca Raton, Florida, USA from April 12-14, 2017.
33. Thoracic myelopathy: Often missed causes. Turel MK and O'toole JE: Presented at the Annual Globus Spine fellows' forum in Audubon, PA, USA on May 5, 2017.
34. Pre-surgical Planning and decision making in motor eloquent tumors. Turel MK. Presented at the Update in Intraoperative mapping and monitoring in Neurosurgery – New techniques in motor mapping at Tata Memorial Hospital, Mumbai, India on November 7, 2017.
35. A simple and elegant technique to perform an STA_MCA bypass. Turel MK, Xu B: Video session presented at the 66th Annual conference of the Neurological Society of India (NSI) in Nagpur, India on December 2, 2017.
36. Circumferential correction of post-infectious thoracolumbar deformity in high-risk patients with active osteomyelitis. Turel MK, Kerolus MG, Fontes RB: Presented at the 66th Annual conference of the Neurological Society of India (NSI) in Nagpur, India on December 3, 2017.

Editorial Responsibilities

Editorial board: Neurology India
Reviewer: Operative Neurosurgery, World Neurosurgery, British Journal of Neurosurgery, Journal of Neurotrauma

Conference Participation and Organization

1999 November	An active volunteer of the organizing committee of the 5th Asian Oceanian International Congress on Skull Base Surgery, Mumbai
2000 March	Participated in the organization of the "Global Brain Awareness Week" and offered voluntary support in this Educational program for the masses, conducted in Mumbai
2000 July	Attended "Neurosurgery Meets Millennium Conference", Hannover, Germany
2001 December	Volunteered in organization of "Neurocon 2001", 50th (Golden Jubilee) Annual Conference of Neurological Society of India, held in Mumbai
2003 December	Attended 3rd Annual conference of Indian Society of Cerebrovascular Surgery Conference, PGIMER, Chandigarh
2004 January	Attended "5th Asian Conference of Neurological Surgeons", Jakarta, Indonesia
2004 January	Attended Symposia and live surgery workshop on "Basic approach and recent advances in Spine Surgery" Surabaya, Indonesia

2004 May	Attended International Congress on Neuro-otology, Neuroradiology, Neuro-audiology and Skull Base Surgery, Tehran, Iran
2004 November	Volunteered and participated in organization of 6th Annual Conference of SBSSI and WFNS Skull Base Surgery Study Group Workshop Mumbai
2009 October	Volunteered and participated in organization of the 11th Annual conference of the Indian society of Stereotactic and functional Surgery held at the Christian Medical College, Vellore
2010 February	Attended the WFNS Education course held in Agra, India
2011 February	Attended the 16th convention of the Academia Eurasiana Neurochirurgica, held in Mumbai
2012 February	attended the 2nd annual conference of clinical Neurology, Chennai
2013 December	Attended the 10 th World Zoroastrian Congress, Mumbai.
2014 November	Attended the 19 th Annual meeting of the Society of Neurooncology (SNO), Miami, Florida, USA.
2016 July	Attended the 23 rd International Meeting on Advanced Spine Techniques, Washington DC, USA
2016 November	Attended the 2 nd Annual international deformity symposium (ISDS), Chicago, USA
2017 April	Attended the Spetzler symposium (AANS) from April 19-20, Los Angeles, California, USA.

Awards & Achievements

2003 March	Represented Grant Medical College and was the Key Note speaker in the Inter College Symposium at the 58th Bombay Medical Congress. Secured 2nd place for a presentation on “Stem cells – Revolution in a dish”
2004 March	Honored by Zoroastrian Student Teacher Association for completion of MBBS with 5 distinctions.
2008 April	Urinary Hemosiderine: Role in evaluation of Venous Ulcer. Presented at National conference on Venous Diseases (VAICON 2008), Chennai, India. The paper was awarded as one of the three best papers of the meeting.
2010 December	The effect of pre-treatment with a tyrosine kinase inhibitor (PP1) on brain oedema and neurological function in an automated cortical cryoinjury model in mice. Presented at the Joint meeting of the 59th annual conference of the Neurological society of India and the Congress of Neurological surgeons, (USA), in Jaipur. This paper was awarded the best paper in Allied Neurosciences.
2011 October	The effect of pre-treatment with a tyrosine kinase inhibitor (PP1) on brain oedema and neurological function in an automated cortical cryoinjury model in mice. Presented at the 2nd annual research day at CMC, Vellore. This poster presentation was awarded the second prize.
2011 December	Quality of life following vestibular schwannoma surgery for large and giant tumors. Mazda Turel, Prasanna Samuel, VedantamRajshekhar. Presented by Mazda Turel at the Joint Meeting of the 60th Annual conference of the Neurological Society of India and Italian society of neurosurgeons. This paper was awarded the best paper in Neurosurgery.
2012 November	Awarded the Jacob Chandy Gold Medal for best student in MCh Neurosurgery. The 5th recipient of this prestigious award in 30 years.
2013 February	Awarded the Dr. S. Kalyanaraman Endowment Gold Medal by the Institute of Neurology, Madras Medical college for outstanding performance in Neurosurgery.
2013 February	Awarded by the Zoroastrian Student Teacher Association for competition of MCh.Neurosurgery with Honours.
2013 November	Reduction in range of cervical motion with serial long-term follow-up in patients undergoing oblique corpectomy for cervical myelopathy. First prize for poster presented at the 4 th CMC Annual Research Day.
2014 December	Best paper published in Neurosurgery submitted to the journal “Neurology India” in 2012 awarded at the 63 rd annual conference of Neurological Society in India in December 2014 in Coimbatore, India.

Skills & Abilities

Strong communication and interpersonal skills and organizational abilities
High analytical, planning, training, presenting and diagnostic skills

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Home 628, Dadar Parsi Colony, Mumbai 400 014

DR. MAZDA K. TUREL Neurosurgeon

Ability to put people at ease with compassion and humour.
Computer literate in MS Office Suite, advanced video making & editing and Internet.

Other Interests

Professional columnist for Asia's second oldest publication – The "Jame-Jamshed" Newspaper.
Photography (Medical & non-medical)
President scout.
Performer in lead roles in professional theatre productions in Mumbai.
Represented his school & college at athletics, dramatics, and leadership programs.
An avid traveller & travel writer, interested in outdoor sports, trekking & tennis