

DR. SHYAM DUVURU

Consultant - Neurosurgery

Qualification

MBBS | MS | MCh (Neurosurgery) | IFAANS | FACS | FCVS | Advanced Skull Base Neurosurgery

Overview

Dr. Shyam Duvuru is a highly accomplished neurosurgeon in Electronic City with more than 13 years of experience in advanced neurosurgical and spinal care. He is currently practising as a Consultant – Neurosurgery at Manipal Hospital Electronic City, Bengaluru, with expertise in neuro-oncology, skull base surgery, cerebrovascular surgery, paediatric neurosurgery, epilepsy and functional neurosurgery, minimally invasive brain surgery, spine surgery, neurocritical care, and intraoperative neurophysiology, making him one of the best neurosurgeons in Electronic City. Dr. Shyam Duvuru completed his MBBS, followed by an MS in General Surgery and an MCh. He further pursued specialised international training in cerebrovascular surgery, advanced skull base neurosurgery, intraoperative neurophysiology, advanced microneurosurgery, and stroke and transcranial Doppler. His professional credentials include International Fellow of the American Association of Neurological Surgeons (IFAANS), Fellow of the American College of Surgeons (FACS), and FCVS (Japan). At Manipal Hospital Electronic City, Dr. Shyam Duvuru specialises in brain and spine tumour surgery, with particular

expertise in neuro-oncology and skull base procedures. His experience includes minimally invasive neurosurgical approaches and advanced intraoperative monitoring to support surgical precision and patient safety. Dr. Shyam Duvuru has extensive expertise in cerebrovascular neurosurgery in Electronic City, including the surgical management of complex cerebral aneurysms and arteriovenous malformations (AVMs). His practice also includes cerebral revascularisation and bypass procedures for selected patients with conditions such as Moyamoya disease and cerebrovascular disorders. Dr. Duvuru's expertise extends to paediatric neurosurgery, as he manages congenital neurological malformations and paediatric brain and spine tumours, with a specialised approach suited to the clinical and developmental needs of children. His research and publications have addressed conditions including cervical spinal instability, spinal tuberculosis, intramedullary tumours, and compressive myelopathy. His academic contributions are substantial, with more than 15 publications in high-impact national and international journals and over 30 scientific papers and posters presented at national and international conferences. Dr. Duvuru received the Apollo Innovation and Quality Award for Excellence in Clinical Services in 2023 for his contribution to an affordable brain tumour programme and the Apollo Clinical Award for Young Clinician in 2020 for his clinical, academic, and research contributions. His earlier achievements include the T.N. Dr. M.G.R. Medical University Gold Medal in Neurosurgery and Prof. S. Kalyanaraman Gold Medal in Neurosurgery. He is associated with leading professional organisations including the Neurological Society of India, Congress of Neurological Surgeons, AANS/CNS Cerebrovascular Section, AANS/CNS Section of Paediatric Neurological Surgery, European Association of Neurosurgical Societies, AO Spine, International Society for Paediatric Neurosurgery, International Society of Intraoperative Neurophysiology, Neuroendoscopy Society of India, Neurocritical Care Society of India, Neurotrauma Society of India, and Society of Neurosonology. Fluent in English, Telugu, Tamil, Hindi, and Kannada, Dr. Duvuru provides

compassionate, world-class surgical solutions, making him one of the best neurosurgeons in Electronic City.

Fellowship & Membership

- American Association of Neurological Surgeons, International Fellow (IFAANS)
- American College of Surgeons, Fellow (FACS)
- Neurological Society of India (NSI)
- Congress of Neurological Surgeons (CNS)
- AANS/CNS Cerebrovascular Section
- AANS/CNS Section of Pediatric Neurological Surgery
- European Association of Neurosurgical Societies (EANS)
- AO Spine
- International Society for Pediatric Neurosurgery
- International Society of Intraoperative Neurophysiology
- Neurological Surgeons' Society of India (NSSI)
- Neuroendoscopy Society of India
- Neurocritical Care Society of India
- Neurocritical Care Society of India
- Neurotrauma Society of India
- Society of Neurosonology

Field of Expertise

- Neuro-Oncology & Skull Base Surgery
- Cerebrovascular Surgery
- Epilepsy & Functional Neurosurgery
- Pediatric Neurosurgery
- Neuromodulation
- Intraoperative Neurophysiology
- Spine Surgery

- Minimally Invasive Brain Surgery
- Neurosonology
- Neurocritical Care

Languages Spoken

- English
- Telugu
- Tamil
- Hindi
- Kannada

Awards & Achievements

- Apollo Innovation and Quality Awards - Excellence in Clinical Services - 2023 - Contribution towards the affordable brain tumor program at Apollo Hospitals Group.
- Apollo Clinical Award - Young Clinician - 2020 - Exceptional contribution to the mission of Apollo Hospitals and exemplified the core values through outstanding clinical, academic, and research work.
- Award for the Best Paper Presentation at the 3rd Winter Seminar on Cerebrovascular Diseases - 2017, Banbuntane Hotokukai Hospital, Fujita Health University, Japan.
- The T.N. Dr. M.G.R. Medical University Gold Medal in Neurosurgery - 2016 - First place in the exit examination of The Tamil Nadu Dr. M.G.R. Medical University, Chennai, India.
- Prof. S. Kalyanaraman Gold Medal in Neurosurgery - 2016 - First place in a competitive prize examination in Neurosurgery for the final-year postgraduates of The Tamil Nadu Dr. M.G.R. Medical University, conducted by the Institute of Neurosurgery, Madras Medical College & Government General Hospital,

Chennai, Tamil Nadu, India.

- Award for the Best Poster at the 64th Annual Conference of the Neurological Society of India - NSICON 2015, held in Hyderabad, India.
- Award for the Best Presentation at the 26th Annual Conference of the Indian Society for Pediatric Neurosurgery - IndSPNCON 2015, Kochi, Kerala, India.
- Award for the Best Trainee Presentation 3 at the 26th Annual Conference of the Indian Society for Pediatric Neurosurgery - IndSPNCON 2015, Kochi, Kerala, India.
- Silver Jubilee Gold Medal in General Surgery - 2012 - First place in the prize examination in General Surgery for the final-year postgraduates, Govt. Stanley Medical College and Hospital, Chennai.
- Leela D Pillai Memorial Gold Medal - 2008 - First place in a competitive prize examination in Radiodiagnosis, PSGIMS & R, Coimbatore, India.
- Dr. Jayakumar Memorial Gold Medal - 2007 - First place in a competitive prize examination in Orthopaedics, PSGIMS & R, Coimbatore, India.

Talks & Publications

- Authored 15 publications in high-impact national and international journals.
- Invited to deliver talks at national conferences.
- Presented more than 30 papers/posters at national and international conferences.
- Publications: Sivakumar SP, Kannan VS, Duvuru S, Irfan M, Dheenadhayalan J, Rajasekaran S. Diagnostic Challenges in Oncogenic Osteomalacia due to Intracranial Phosphaturic Mesenchymal Tumor: A Case Report. JBJS Case Connect.

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- Duvuru S, Sanker V, Arafeh Y, Alajarmeh R. Use of Intraoperative Neurophysiological Monitoring (IONM) in a Neonate with Limited Dorsal Myeloschisis. J Spinal Surg. 2025;12(2):55-58. doi:10.4103/joss.joss_5_25
- Duvuru S, Sanker V, Mishra RK, et al. Ancillary Tests for Brain Death. Front Neurol. 2025;15:1491263. doi:10.3389/fneur.2024.1491263
- Duvuru S, Sanker V, Pandit D, Khan S, Alebrahim S, Dave T. Granular Cell Tumor of the Brain: Case Report and Review of Literature. J Surg Case Rep. 2023;2023(12). doi:10.1093/jscr/rjad701
- Duvuru S, Sanker V, Dave T, Agarwal P, Syed N. Stabilizing the Unstable: Tuberculosis of the Odontoid Process with Atlanto-Occipital Instability—Case Report and Review of Literature. Clin Case Rep. 2024;12. doi:10.1002/ccr3.8379
- Duvuru S, Sanker V, Mylavarapu M, Lund S, Jena R, Dave T. Clinical Utility of Intraoperative Direct Wave Monitoring in Patients with Pre-Operative Motor Deficits: Case Series. Int J Surg Case Rep. 2023;114:109164. doi:10.1016/j.ijscr.2023.109164
- Duvuru S, Sanker V, Naureen S, Prakash G, Sanjana R, Dave T. Nonosseous Intradural Tuberculoma of the Thoracic Spine with Compressive Myelopathy. Clin Case Rep. 2023;11. doi:10.1002/ccr3.8131
- Duvuru S, Sanker V, Syed N, Mishra S, Ghosh S, Dave T. Upper Cervical Intramedullary Schwannoma of the Spinal Cord Presenting with Myelopathy: Illustrative Case. J Neurosurg Case Lessons. 2023;6(13). doi:10.3171/CASE23352
- Duvuru S, Sanker V, Jain S, Sunil Kumar BS, Manoj Kumar M, Gupta U. A Rare Case of Intra-Parenchymal Meningioma in a Female Patient Who Presented with Seizures: A Case Report. Clin Case Rep. 2023;11. doi:10.1002/ccr3.7927

- Liew BS, Takagi K, Kato Y, Duvuru S, Thanapal S, Mangaleswaran B. Current Updates on Idiopathic Normal Pressure Hydrocephalus. Asian J Neurosurg. 2019;14:648-656.
- Duvuru S, Sae-Ngow T, Kato Y, Kawase T, Yamada Y, Tanaka R. Does Age Affect the Surgical Outcome in Patients with Unruptured Cerebral Aneurysms (UCA)? A Two-Year Retrospective Study from a Single Centre in Japan. Asian J Neurosurg. 2018;13:1108-1111.
- Thanapal S, Duvuru S, Sae-Ngow T, Kato Y, Takizawa K. Direct Cerebral Revascularization: Extracranial-Intracranial Bypass. Asian J Neurosurg. 2018;13:9-17.
- Bishnoi I, Kato Y, Duvuru S. Lessons Learnt from Accidental Spillage of Glue Between Nerve and Artery During Microvascular Decompression. Neurol India. 2017;65:1391-1393.
- Pragatheeswarane M, Balaji NN, Duvuru S, Gubbi Shamanna S. Gas Gangrene: Need for Aggressive Management in Delayed Presentation. Surg Infect (Larchmt). 2014;15(3):361-362. doi:10.1089/sur.2013.071