

DR. NISHCHIT HEGDE

Consultant - Neurosurgery

Qualification

FRCS Neurosurgery (England) | MCh (Magister Chirurgiae) Neurosurgery (Gold Medal) | MS (Master of Surgery) General Surgery | MBBS | Fellowships in Functional Neurosurgery, Paediatric and Epilepsy Neurosurgery (UK) | Minimally Invasive Spine Surgery (MISSAB India)

Overview

Dr. Nishchit Hegde is an experienced neurosurgeon in Old Airport Road, Bangalore, known for his precision-driven approach to functional and paediatric neurosurgery, thereby serving the most vulnerable strata of patients. He is currently practising as a Consultant – Neurosurgery at Manipal Hospital, Old Airport Road, Bangalore, bringing clinical experience across adult and paediatric neurosurgery, functional neurosurgery, minimally invasive spine surgery, and neuro-oncology. His practice reflects a rare integration of advanced subspecialty training from the UK with structured neurosurgical practice in high-volume Indian tertiary centres. Dr. Hegde’s expertise includes functional neurosurgery for movement disorders, pain syndromes, and epilepsy, which makes him one of the best neurosurgeons in Old Airport Road for patients requiring precision-based neuromodulation and lesioning procedures. He routinely performs Deep Brain Stimulation (DBS), radiofrequency (RF) lesioning, stereotactic procedures, and MRI-guided focused ultrasound (MRgFUS).

His work in managing movement disorders, trigeminal neuralgia, hemifacial spasm, facial pain syndromes, occipital nerve stimulation (ONS), and neuromodulation for refractory headaches reflects a strong command over complex functional interventions. Dr. Hegde completed his MBBS from SDM College of Medical Sciences, followed by MS in General Surgery and an MCh in Neurosurgery (Gold Medal) from M.S. Ramaiah Medical College. He later pursued a Minimally Invasive Spine Surgery Fellowship (MISSAB, India) and advanced fellowships in Paediatric Neurosurgery and Functional Neurosurgery at leading UK institutions. At the National Hospital for Neurology and Neurosurgery, Queen Square, London, he completed the sought-after functional neurosurgery fellowship, helping him gain expertise in the management of movement disorders, psychiatric disorders and pain interventions using deep brain stimulation (DBS), and advanced lesioning techniques such as MRgFUS, RF ablation, ONS and more. His fellowship training also involved exposure to emerging neurotechnology, such as adaptive DBS and image-guided precision programming, and participation in the neurosurgical team supporting the Neuralink clinical trial (Brain-Computer Interface)in the UK. A significant component of his practice is paediatric neurosurgery. Dr. Hegde has completed dedicated fellowships at Great Ormond Street Hospital for Children and Birmingham Children’s Hospital in the UK. His paediatric expertise includes neuro-oncology, hydrocephalus, spinal dysraphism (including foetal surgery), Chiari malformations, craniosynostosis, epilepsy surgery, and paediatric vascular disorders. This depth of exposure allows him to manage congenital and acquired neurological conditions with age-specific surgical planning and long-term outcome focus. Academically, Dr. Hegde has an extensive research profile with publications in reputed national and international journals, and he has also co-authored book chapters, including in the renowned Grey's Surgical Anatomy textbook. His research interests span adult and paediatric brain and spine tumours, craniosynostosis, intracranial haemorrhage, neurovascular disorders, interventions for

movement disorders, epilepsy and pain, and AI applications in neurosurgery. Fluent in English, Kannada, and Hindi, Dr. Hegde communicates with clarity and patience, ensuring that patients and families understand diagnoses, treatment pathways, and surgical decisions at every stage. At Manipal Hospital, Old Airport Road, he works closely with neurology, paediatrics, oncology, rehabilitation, and critical care teams to deliver coordinated neurosurgical care. His evidence-based approach, structured communication, and focus on individualised treatment planning define his role as one of the best neurosurgeons in Old Airport Road, particularly for complex functional, epilepsy, neurooncological and paediatric neurosurgical conditions.

Fellowship & Membership

- Fellowship in Functional Neurosurgery, National Hospital for Neurology and Neurosurgery, Queen Square, London, UK: September 2024 to December 2025.
- Fellowship in Paediatric Neurosurgery, Great Ormond Street Hospital for Children (GOSH), London, UK: September 2023-September 2024.
- Fellowship in Paediatric Neurosurgery, Birmingham Children’s Hospital, UK: October 2022- September 2023.
- MISSAB Minimally Invasive Spine Surgery Fellowship: April -May 2022.
- Fellow of the Royal College of Surgeons (FRCS) England-Neurosurgery.

Field of Expertise

- Functional Neurosurgery
- Movement disorders

- Stereotaxy pain
- Psychosurgery
- MRFUS
- Stereotaxy
- Paediatric Neurosurgery
- Epilepsy surgery
- Neuro-oncology and Skull-base Surgery
- Minimally Invasive Spine Surgery
- Emergency and Trauma Neurosurgery
- Neuromodulation and advanced lesioning using MRgFUS and RF ablation for movement disorders, headaches, facial pain and other intractable pain interventions.
- Brain-computer interface implantation
- Stereotactic procedures and image-guided surgery
- Robotic Neurosurgical Procedures
- Awake surgery with cortical mapping and electrophysiology
- Neuronavigation
- DT
- fMRI and ultrasound-guided tumour surgery
- Cerebrovascular Surgery for AVMs and Aneurysms
- Neuroendoscopy: Pituitary tumours, Ventricular tumours, Hydrocephalus

Languages Spoken

- English
- Kannada
- Hindi

Awards & Achievements

- Gold Medal - M.Ch Neurosurgery; Best Paper and Poster

Presentations and National and International conferences; Co-author of book chapters, including in Surgical Grey's Anatomy 2nd Edition.

- Book Chapter: Ventricular Anatomy – GRAY'S SURGICAL ANATOMY, 2ND Ed., 2025.
- Book Chapter: Endovascular Management of Brain Arteriovenous Malformations – PROGRESS IN CLINICAL NEUROSCIENCES (Thieme Publications, NSICON December 2021).
- Post-operative ocular motility disorders in children with posterior fossa tumours: 24 years' GOSH experience.
- Occult Craniosynostosis in Normocephalic Children with Chiari I Malformation.
- Acta Neurologica Taiwanica (June 2023) - Fulminant pan-vascular extra and intracranial arterio-venous thrombosis with non-aneurysmal subarachnoid haemorrhage following COVID-19 infection.
- World Neurosurgery (October 2021): CT-guided aspiration of Hypertensive Basal Ganglionic Haemorrhages: Surgical Technique and Short-term Outcome.
- World Neurosurgery (December 2016) - Angioglioma of the Spinal Cord.
- Evaluation of degenerative changes in adjacent vertebrae after single-level anterior cervical discectomy with fusion.
- Journal of Clinical and Diagnostic Research [JCDR] (January 2015) – Ancient Retroperitoneal Schwannoma in a Young Male: A Rare Entity.
- ESPN London (European Society for Paediatric Neurosurgery) - Postoperative ocular motility disorders in children with posterior fossa tumours: 24 years' GOSH experience + PFS correlation – May 2025.
- ISPN Toronto (International Society for Paediatric Neurosurgery) – Top Abstract of Conference - Post-operative ocular motility

disorders in children with posterior fossa tumours: 24 years' GOSH experience – October 2024.

- ChatGPT in Paediatric Neurosurgery - a preliminary evaluation at Annual Congress of International Society for Paediatric Neurosurgery (ISPN), Chile – OCTOBER 2023.
- Neuroglial Heterotopia with Torcular Communication at Annual Congress of International Society for Paediatric Neurosurgery (ISPN), Chile – OCTOBER 2023.
- Panellist at Roundtable Discussion at RSNA 2020: Impact of FHIR Adoption on Imaging, DECEMBER 2020.
- Karnataka Neuroscience Academy Annual Conference; KNACON, Hubli, JANUARY 2018: "CT & Neuronavigation guided catheter aspiration and clot lysis vs conservative management for hypertensive basal ganglionic haemorrhage: A preliminary report. Neurological Society of India (NSI) Annual Conference (NSICON, Nagpur, December 2017: CT-Guided Aspiration of
- Hypertensive Basal Ganglionic Haemorrhages: A Pilot Study.
- M. S. Ramaiah Hospital – Clinical Meet – BEST SUPERSPECIALTY PRESENTATION OF 2016 "Inflammatory Lesions of The Pituitary Gland: Hypophysitis – Evaluation and Management".
- Bangalore Surgical Society Meet (November 2014) – RUNNER-UP AWARD in Paper Presentations "Colonic Transposition for Corrosive Oesophageal Strictures: Our Experience".

Talks & Publications

- Book Chapter: Ventricular Anatomy – GRAY'S SURGICAL ANATOMY, 2ND Ed, 2025.
- Book Chapter: Endovascular Management of Brain Arteriovenous Malformations – PROGRESS IN CLINICAL NEUROSCIENCES (Thieme Publications, NSICON December 2021).

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FHIR Adoption on Imaging, DECEMBER 2020.

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