



## Dr. Ayyadurai R

**Qualification:** MBBS, DNB Neurosurgery Ex-Associate Professor, AIMS, Kochi Neuro-Oncology, Microscopic and Endoscopic Skull Base, Neuro-Endoscopy, Minimally Invasive Neurosurgery

**Department:** Neuro Surgery

**Designation:** Sr. Consultant Neurosurgeon

**Languages:** English, Hindi, Tamil, Malayalam, Telugu, Bengali

**Experience:** 19 yrs

### About the Doctor

---

Dr. Ayyadurai R is a Senior Consultant Neurosurgeon at Yashoda Hospitals, Secunderabad. Dr. Ayyadurai has been in the field of neurosurgery since 1998. He initially served as a resident in the Department of Neurosurgery at Apollo Superspeciality Hospital, Chennai, until 2005. From 2005 to 2024, Dr. Ayyadurai was part of the Department of Neurosurgery at Amrita Institute of Medical Sciences, Kochi, where he held various positions, including Associate Professor. He has participated in significant workshops, such as the Complex Skull Base Endoscopy Workshop at the University of Pittsburgh in 2018 and the Advanced Complex Skull Base Endoscopy Workshop at Stanford University in 2023. Dr. Ayyadurai founded the Amrita Centre for Neuro-Endoscopy and has served as a faculty member for the Cadaver Skull Base Endoscopy Workshop. Additionally, he has been an invited speaker at numerous national and international conferences and a course director for several Endoscopic Skull Base workshops. With experience in approximately 5,000 brain tumor surgeries, including skull base tumors, pituitary adenomas, craniopharyngiomas, vestibular schwannomas, meningiomas, gliomas, and brain metastases, Dr. Ayyadurai has vast expertise in robotic neurosurgery, pioneering a new endoport technique using the ROSA Neuro Robotic System. He is also proficient in awake surgeries, temporal lobe epilepsy surgery, and spinal and spinal cord tumor surgeries.

## Educational Qualifications

---

- Jan 2006-Jan 2010: DNB Neurosurgery, Amrita Institute of Medical Sciences, Kochi, Kerala
- 1991-1997: MBBS, Shri B M Patil Medical College, Bijapur, Karnataka
- Short Fellowships and International Workshops:
- Aug 2023: Skull Base Endoscopy Workshop, Stanford Medicine, San Francisco, California, USA
- July 2018: Complex Skull Base Endoscopy Workshop, UPMC Pittsburgh, Pennsylvania, USA

## Experience

---

- Currently working as a Senior Consultant Neurosurgeon at Yashoda Hospitals, Secunderabad
- Jan 2024-May 2024: Associate Professor, Department of Neurosurgery, Amrita Institute of Medical Sciences
- June 2012-Jan 2024: Assistant Professor, Department of Neurosurgery, Amrita Institute of Medical Sciences, Kochi
- Jan 2011-June 2012: Senior Resident, Department of Neurosurgery, Amrita Institute of Medical Sciences, Kochi
- June 2006-Dec 2010: Resident Trainee, DNB Neurosurgery, Amrita Institute of Medical Sciences, Kochi
- Feb 2005-Jan 2006: Resident, Department of Neurosurgery, Amrita Institute of Medical Sciences, Kochi
- June 2004-Nov 2004: Junior Resident, Department of General Surgery, SRM Institute of Medical Sciences, Chennai
- Aug 1998-July 2003: Resident, Neurosurgery, Apollo Specialty Hospital, Chennai
- June 1997-June 1998: Compulsory Rotating Resident Internship, Shri B M Patil Medical College

## Services Offered

---

- Brain Surgeries:
- Pituitary Adenoma - Extended Endoscope Assisted Trans Nasal Surgery
- Craniopharyngioma - Extended Endoscope Assisted Trans Nasal Surgery and Cranial Microscopic Surgery
- Glioma - Microscopic Surgery with Intra Operative Monitoring and Awake Surgery
- Vestibular Schwannoma - Microscopic and Endoscope Assisted Surgery
- Trigeminal Schwannoma - Microscopic and Endoscope Assisted Trans Nasal Surgery
- Chordoma - Microscopic Skull Base and Endoscope Assisted Trans Pterygoid Trans Nasal Surgery
- Chondrosarcoma - Microscopic Skull Base and Endoscope Assisted Trans

Pterygoid Trans Nasal Surgery

- Medulloblastoma - Microscopic Posterior Fossa Surgery
- Trigeminal Neuralgia - Keyhole Endoscope Assisted Microvascular Decompression
- Hemi Facial Spasm - Keyhole Endoscope Assisted Microvascular Decompression
- Paediatric Tumours
- Spine Surgeries:
- Spinal Cord Tumours
- Keyhole Lumbar Discectomy
- Cervical Discectomy
- Spine Fusion

## Awards and Achievements

---

- Founder of Amrita Centre for Neuroendoscopy (ACNE), Sep 2023
- Organising Secretary, Mid Term NESI Conference, Sep 2023
- Organising Member, Temporal Lobe Workshop, Biannual Amrita Epilepsy Conference, May 2016
- Organising Member, Indian Society of Paediatric Neurosurgery National Conference (INDSPNCON), Kochi, Nov 2015
- Organising Member, Indian Society of Neuro-oncology Conference (ISNOCON), Kochi, Mar 2015
- Treasurer and Organising Member, Amrita Neurosurgery Summit, Nov 2014

## Professional Membership

---

- Congress of Neurological Surgeons (CNS)
- Neurological Society of India (NSI)
- International Federation of Neuroendoscopy (IFNE)
- Neuro Endoscopy Society of India (NESI)
- Skull Base Surgery Society of India
- Kairali Neurological Society
- Madurai Neurosurgical Academy

## Research & Publications

---

- Robotic assistance in cranial neurosurgery: Expanding the spectrum. Operative Neurosurgery, 2018
- Disorders of water balance following sellar supra sellar surgeries: Patterns, determinants, and utility of quantitative analysis. Indian Journal of Endocrinology and Metabolism, Mar 2018
- Molecular classification of low grade gliomas. Neuropathology and Molecular

Biology, Aug 2020

- Prognostic significance of immunohistochemical markers in primary CNS lymphomas. IP Archives of Cytology and Histopathology Research

Profile URL: <https://www.yashodahospitals.com/doctor/secunderabad/neuro-surgery/dr-ayyadurai-r/>

