

Neurosurgery Department, KMC, Manipal

1. Why to choose M. Ch Neurosurgery at KMC Manipal?

The department of Neurosurgery is one of the oldest Neurosurgery departments in India which started a meek beginning in 1968 and ever since observed a formative development over the years acquiring a national and international reputation. It continues to be the leading and most preferred referral centre providing high-quality neurosurgical services in the coastal region of Karnataka. It is the oldest and leading neurosurgery training centre in Karnataka training nearly 40 neurosurgeons till now.

The department is equipped with modern technology and equipment starting from the operating microscope, image guidance system (Neuro-navigation), stereotactic biopsy and radiosurgery which are mandatorily necessary to provide state of the art care at par with the best neurosurgical centres anywhere in the world.

The department has always been in leading in the areas of research and academic activities. These include research on hemorrhagic stroke, head injury, pituitary tumours, intracranial aneurysms, glioma and spinal disorders. Department regularly conducts national and international CME's and workshops for the benefits of students and young neurosurgeons.

2. Core competencies pursued during postgraduate training at Manipal

- Neurological examination of patients, effective clinical diagnosis and reading of neuro-images like CT scan and MRI.
- Training in management of neuro-critical ICU. It also includes

training in tracheostomy, external ventricular draining, ICP monitoring and lumbar puncture.

- Effective management of all head injury patients including decision making, conducting surgeries and post-operative management
- Training in all types of spinal surgeries including discectomy, corpectomy and spinal instrumentation
- Management of all types of brains tumors, intracerebral aneurysms and AVMs.
- Training in endoscopic neurosurgeries including endoscopic pituitary surgery and endoscopic third ventriculostomy.
- Training in handling of intraoperative microscope, ultrasound, image intensifier, neuro-navigation and stereotaxy.

3. Career opportunities after Post graduation

- Can join as a neurosurgeon in any tertiary care Government hospital.
- Can join as a neurosurgery consultant in any corporate hospital.
- Can join as a faculty in the department of neurosurgery in any academic institute.
- Can independently work as a spinal surgeon.
- Can independently start a superspeciality hospital and effectively manage head injury, brain tumors and spinal disorders.
- Can peruse a fellowships in epilepsy surgery, spinal surgeries, DBS, intervention radiology and practice only in that particular sub-specialty.

Also Visit: <https://manipal.edu/kmc-manipal/department-faculty/department-list/neuro-surgery.html>