Paediatric Neurosurgery Services

- Hydrocephalus: endoscopic ventriculostomy, shunt surgery
- Pediatric brain and spine tumor surgery
- Spinal dysraphism and tethered cord surgery
- Craniosynostosis correction
- Occipitocervical decompression for Chiari malformation

Functional & Stereotactic Surgery

- Epilepsy surgery
- Pain management surgery
- Spasticity surgery (Baclofen pump)
- Deep brain stimulation

Technological Excellence at CIMS

- Moller Wedel operating microscope with stereo co-observe and camera system
- Craniotome
- Gujarat’s First Carl Zeiss Pentero 900 Microscope (High - end path breaking innovation for enhanced visualization during surgery)
- LED OT light
- Inbuilt OT cameras for direct relay and transmission of cases in auditorium
- Experienced nursing staff, medical officers and infrastructure, high tech ICU set-ups for high risk and major operative procedures
- Reliable back-up of good surgical ICU facilities

- Vast experience in the field of Brain and Spine diseases with the latest Microsurgical techniques
Neurosurgery is a specialty concerned with the diagnosis and treatment, both surgical and non-surgical, of disorders of the nervous system, which includes the brain, skull, spinal column & spinal cord.

At CIMS, state-of-the-art surgical and microsurgical techniques are employed to diagnose, treat and alleviate pain and disability caused by neurological problems.

Along with skilled Neuro Surgeon, a highly qualified team of anaesthesiologists, nurses, and medical staff guide the patient through the entire process aiding a smooth procedure and recuperation.

"Minimally invasive surgery for a focussed exposure in the region of brain, spine or skull base resulting in limited manipulations and disturbance to surrounding normal neural tissues along with accelerated recovery time."

Skull Base Surgery Services
- Skull base tumor excision: acoustic neuromas, chordomas
- Cerebro spinal fluid leaks
- Craniofacial deformities
- Cranial base osteomyelitis
- Micro vascular decompression for trigeminal neuralgia, hemifacial spasm

Brain Surgery Services
- Cranial trauma
- Brain tumor surgery
- Microscopic/ endoscopic transnasal pituitary tumor excision
- Neuro vascular lesions: aneurysm, AVM
- Stroke surgery: brain hemorrhage, carotid endarterectomy
- Stereotactic surgery
- Cranioplasty
- Epilepsy surgery

Spine Surgery Services
- Minimally Invasive Spine Surgery (MISS): microdiscectomy, decompression laminectomy, laminoplasty and spine fusion
- Spinal tumor, vascular malformation excision
- Percutaneous kyphoplasty and vertebroplasty for spine fractures
- Cervical and lumbar artificial disc replacement surgery
- Correction of scoliosis and other deformities
- Spine stabilisation: spondylolisthesis, Koch’s Spine, traumatic fractures
- Spasticity surgery (Baclofen pump)
- Spinal cord stimulator for chronic pain