

Department of Neurosurgery.VIMHANS

Trauma Care	Endoscopic Neurosurgery
Tumor Surgery	Paediatric Neurosurgery
Cerebrovascular Surgery	Spinal Surgery
Spinal Instrumentation	Micro Neurosurgery
Stereotactic Surgery	Functional Neurosurgery (Deep Brain Stimulation)
All Conventional Surgeries	Neuro Intervention
Neuroradiology	Neuro ICU
Vertebroplasty	Kyphoplasty

DNB Programme (Neurosurgery)

Neuro ICU

Recently a new state of art ICU has been made functional, which is one of its kind in the National Capital. This 12 bedded seamless stainless steel structure has individual air conditioning vents over each bed and laminar air flow for minimization of inter patient infection transmission. The ICU is equipped with most advanced ventilators and life support systems. The ICU has most comprehensive monitoring system in place for monitoring all parameters of patients. This monitoring system is net accessible and patients can be monitored from anywhere. The patient, nurse ratio is maintained 1:1.

Interventional Neuro Radiology services at Vimhans

Traditionally Radiology has been a specialty directed primarily at the diagnostic end of the practice of medicine. In the past one and a half decade, a new field has been emerging which is called Interventional Neuroradiology (also called endovascular neurosurgery).

Interventional Neuroradiology is a minimally invasive approach in the treatment of vascular diseases of the central nervous system

It has a primary role in the treatment of intracranial aneurysms, a proportion of venous sinus thrombosis, some Arterio venous malformations and many dural fistulas.

The endovascular techniques in which we specialize include:

Coil Embolizations of intracranial aneurysms (ruptured and non ruptured)

Pre-operative Embolizations for intracranial tumors

Intracranial thrombolysis for acute stroke and dural venous sinus thrombosis.

Neuroradiology Department

Keeping in view the growing necessity of investigational support, NMC in the year 1995 set-up an ultramodern imaging & diagnostic unit at VIMHANS, Nehru Nagar, New Delhi. The Centre is fully equipped with the state-of-the-art equipments and some of them are:

- Magnetic Resonance Imaging (MRI) 1.5T
- Hi-Speed Spiral CT Scanner
- Digital Radiography
- OEC 9800 Neurovascular Interventional Lab (for tumour embolisation, aneurysm coiling and DSA)
- Unique state-of-the-art Teleradiology System

In a very short span of time, the centre has grown manifolds and today it is recognized as a leading Centre for its unparalleled quality, accurate investigations and prompt reporting systems in the region. Today it is the premier radiology and imaging institute in Delhi and India. We have special facilities for advanced neurodiagnostic applications like MR spectroscopy (single voxel and multivoxel), Diffusion/Perfusion imaging, CSF flow studies, Functional MR imaging, MR angiography, 3D-CT reconstructions, High resolution CT of temporal bone and lungs & Musculoskeletal MRI with dedicated coils. We also undertake second opinions and various academic activities, Neuroradiology conferences.

Diagnostic Radiology Consultants

Dr. Jaya Shankar, MD

Dr. Sumer Sethi, MD

Dr. Sunil Suneja, MD

Dr. Ravi Pushkarna, DMRD