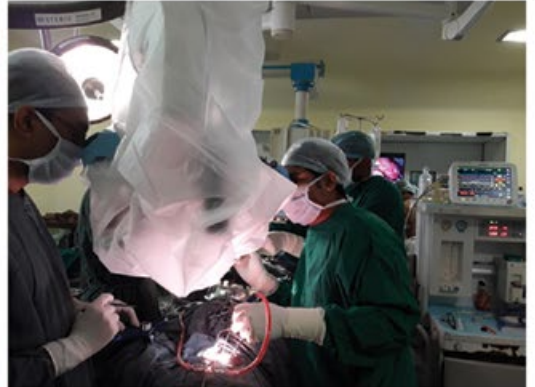




NARAYANA
MEDICAL COLLEGE & HOSPITAL

DEPARTMENT OF
NEUROSURGERY



NARAYANA MEDICAL COLLEGE HOSPITAL
NELLORE, ANDHRA PRADESH



- Neurosurgery Department of Narayana Medical College was started in the year 2006
- Department has faculty with extensive experience and world class surgical skills, state-of-the-art equipment and facilities.
- It is now recognised as centre of excellence for Neurosurgery offering treatment for all complex neurosurgical cases including Intracranial aneurysms, AVMs, complex skull base lesions, CV junction anomalies etc
- Neurosurgery department is providing Neurosurgery training to M.Ch.students since 2009.
- M.Ch Neurosurgery (3 years course ,2 seats/year) is recognised by MCI
- Department has more than 250 publications in past 10 years in various national and international journals

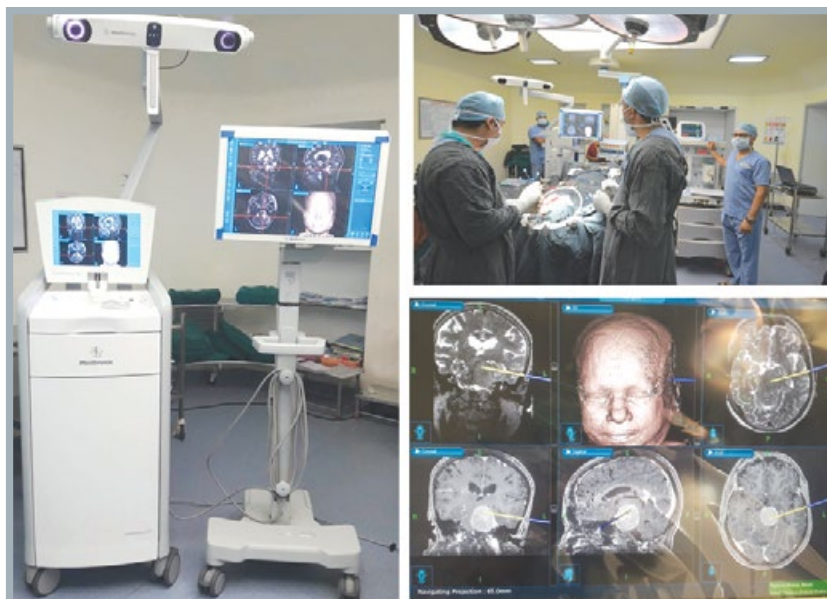


STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

Leica OH6 Microscope with facility for indocyanine green videoangiography



Medtronic S7 Neuronavigation system



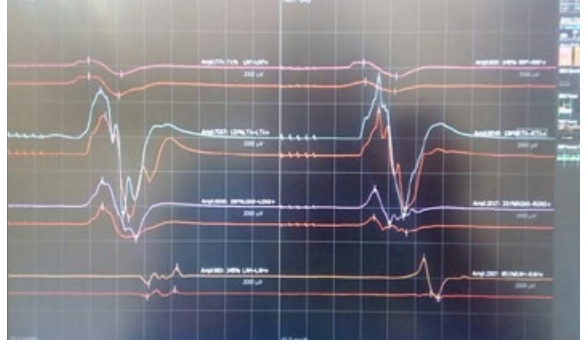
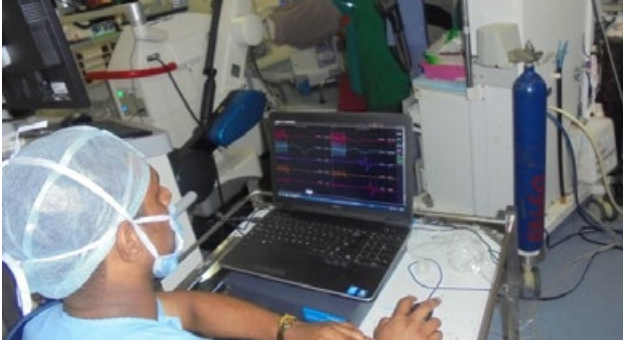
STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

Hitachi Aloka Prosound Alpha 7 - Intraoperative USG



STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

Medtronic NIM Eclipse 32 channel intraoperative neurophysiological monitor



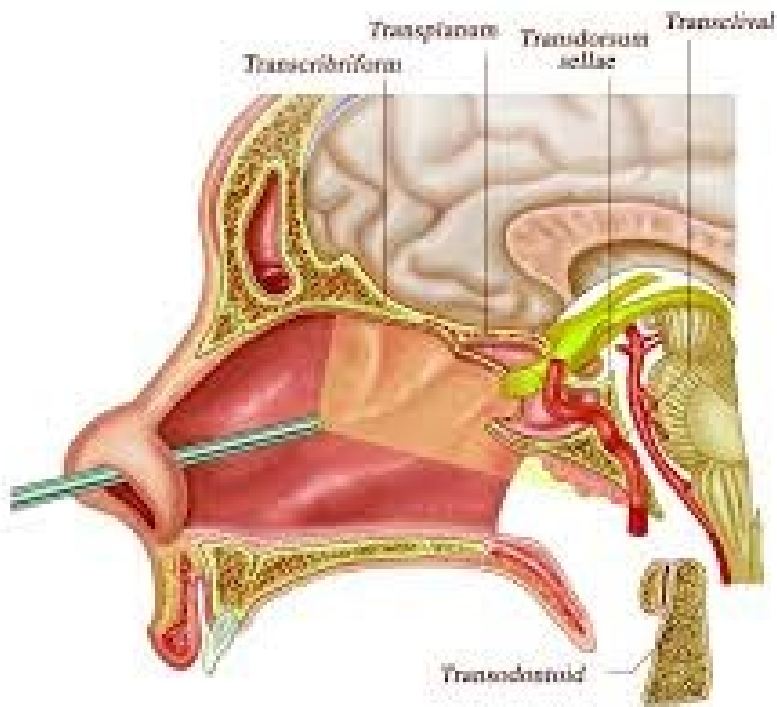
STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

Soering Sonoca 300 CUSA



STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

Karl Storz neuro and skull base endoscopy set



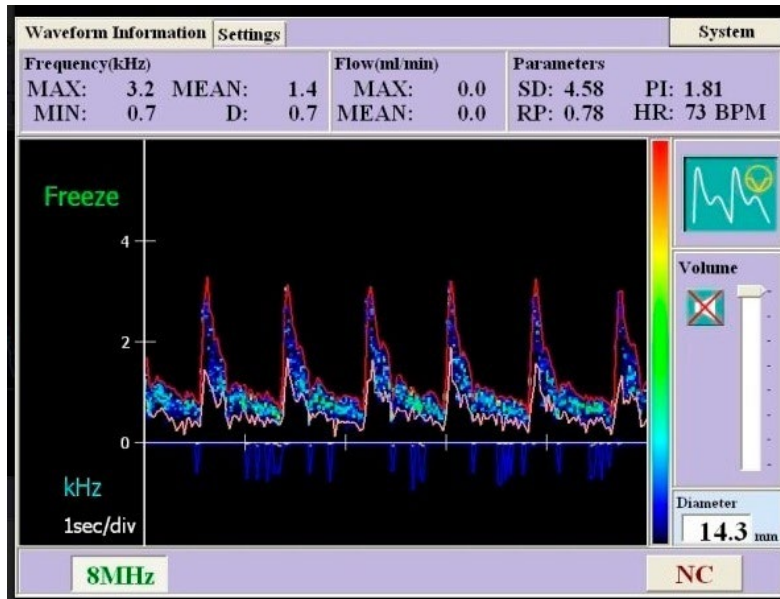
STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

Stryker Sumex and Medtronic Legend drills



STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

Hadeco Doppler



STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

Ultramodern operation theatres with laminar flow



Dedicated Neurosurgery ICU with 25 beds managed
by experienced neuroanaesthesia team



STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

128 slice CT with facility for CT angiogram and perfusion CT



3 Tesla MRI with facility for perfusion MRI, DTI, MR tractography, MR Spectroscopy and Functional MRI



STATE-OF-THE ART EQUIPMENT AND FACILITIES IN THE DEPARTMENT

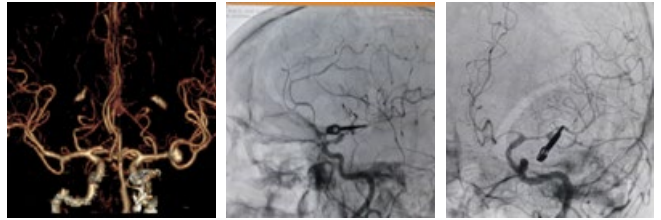
High end neuro cath lab (Philips FD20) with facility for performing 3D Rotational angiogram, xper CT, 3D Road map, stent boost, fusion of DSA with CT angio/MR angio etc



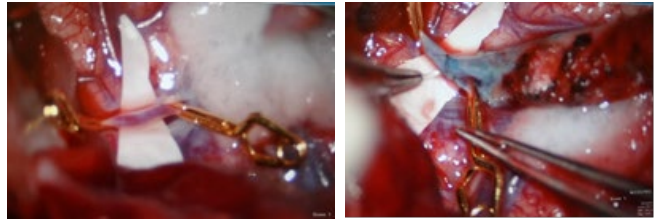
All complex cranial and spine surgeries are performed regularly which include

- Aneurysms
- AVMs
- STA-MCA Bypass
- Moya moya disease
- CP Angle lesions
- Skull base lesions
- Posterior third ventricular lesions
- Intraventricular lesions
- Thalamic and brain stem lesions
- Insular gliomas
- Awake craniotomy for lesions near eloquent cortex
- Posterior fossa lesions
- Pituitary adenomas and suprasellar lesions
- All other intracranial tumors - glioma, meningioma, hemangioblastoma, medulloblastoma, ependymoma etc

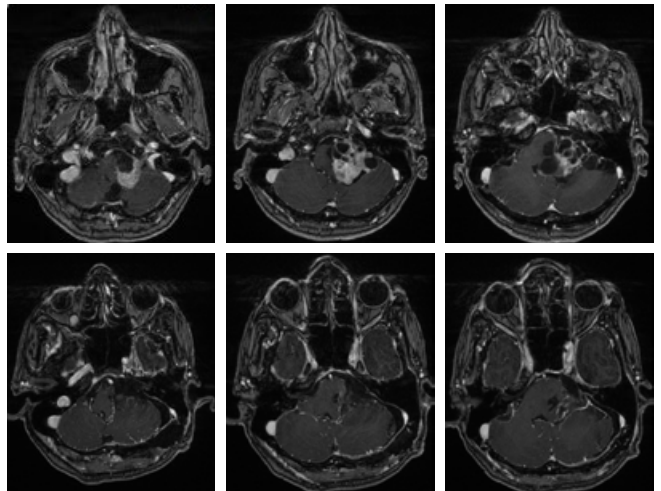
MCA bifurcation aneurysm



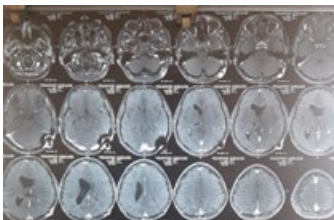
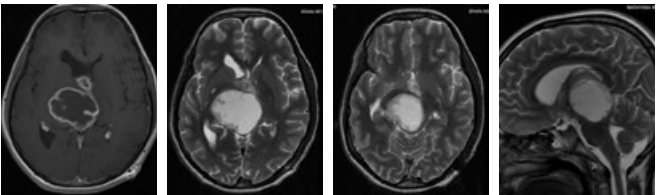
STA-MCA Bypass



Lower cranial Nerve schwannoma



Thalamopeduncular lesion

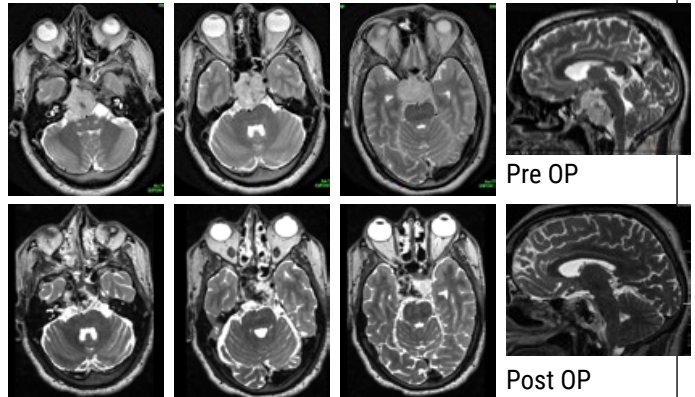


← Post OP

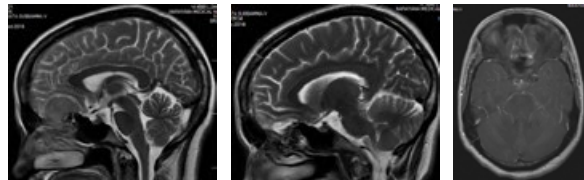
All complex cranial and spine surgeries are performed regularly which include

- Epilepsy surgery
- Carotid endarterectomy
- Trigeminal neuralgia and hemifacial spasm
- Endoscopic third ventriculostomy
- Endoscopic skull base surgery
- Craniostenosis
- Head injuries
- Intracranial hematomas

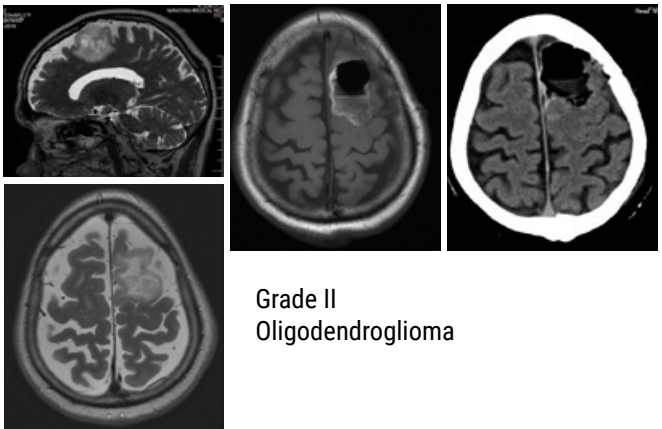
Clival chordoma



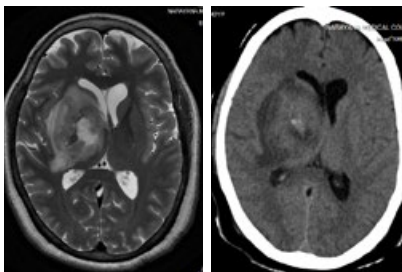
O1 Factory Groove Meningioma



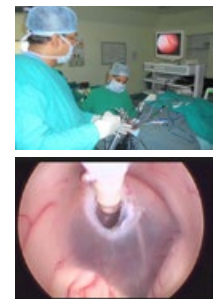
Awake Craniotomy



Neuronavigation guided biopsy



Endoscopic third ventriculostomy



All complex cranial and spine surgeries are performed regularly which include

- CV Junction anomalies
- TB spine
- Spinal tumors- extradural, intradural
- Spinal trauma
- Spondylolisthesis
- Lumbar, dorsal and cervical PIVD
- Lumbar, dorsal and cervical canal stenosis
- Arnold Chiari malformations and syringomyelia
- Meningomyelocele and tethered cord
- Endoscopic and minimally invasive spine surgeries

CVJ ANOMALIES



Spinal fusion procedures



Endoscopic spine procedures





Dr. Amit Agrawal
Professor and HOD

- M.Ch from NIMHANS, Bangalore (2001-2003)
- Post M.Ch experience -14 years
- Extensive experience in complex spine and brain tumor surgeries
- Extensive research on head injury
- More than 600 publications
- Author of several books
- Editor of Journal of Neurosciences in Rural Practice



Dr. Vidya Sagar G
Associate Professor

- M.Ch Neurosurgery from Osmania Medical College (2003-2006)
- **Received NTR University gold medal for best outgoing Neurosurgery resident**
- Post M.Ch experience - 11 years (2007-2017) (7yrs at Narayana Medical College, 4 yrs in corporate hospitals)
- **Neuroendoscopy and spine endoscopy fellowship in Germany under Professor Oertel in 2008**
- Extensive experience in endoscopic spine surgeries, neuro and skull base endoscopic surgeries, minimally invasive spine and brain surgeries
- Vast experience in complex spine and brain tumor surgeries and in managing head injury patients.
- Vast Experience in endoscopic brain & Spine Surgeries



Dr. Kiran Kumar VA
Assistant Professor

- M.Ch-2009 to 2012 from SVIMS, Tirupati
- Post M.Ch experience- 2012-2018, 6 years at SVIMS, Narayana Medical college and corporate hospitals
- Vast experience in managing brain tumors, head injuries, complex spine cases
- Other areas of interest and expertise include minimally invasive spine surgery and cerebrovascular surgery



Dr. Sai Kiran NA
Assistant Professor

- M.Ch-2001 to 2006 from All India Institute of Medical sciences (AIIMS)
- Post M.Ch experience - 11 years
2007-2016: Sri Sathya Sai Institute of Higher Medical Sciences (SSSIHMS), Bangalore Worked as HOD for 3 years during this period
2016-2017: Narayana Medical College
- Operated independently (more than 3000 cases) on a wide variety of neurosurgical cases at AIIMS, SSSIHMS and Narayana Medical College Hospital during past 17 years
- Extensive experience in cerebrovascular surgery and surgery for CV junction anomalies. Operated on more than 200 aneurysms including giant, ophthalmic segment and basilar top aneurysms, 40 AVMs and more than 100 CV junction anomalies
- Vast experience in managing various complex cranial cases including thalamic/insular/ brain stem/ CP angle lesions, giant pituitary adenomas, posterior third ventricular lesions, craniopharyngiomas, foramen magnum/ cavernous sinus/petroclival and other skull base lesions
- Operated on large number of lesions near motor cortex and speech areas by awake craniotomy
- Performed various complex spine surgeries like dorsal/cervical/lumbar corpectomy and fixation, cervical lateral mass screw fixation, dorsal/ lumbar pedicle screw fixation etc
- Other areas of interest and expertise include epilepsy surgery and pediatric neurosurgery
- More than 50 publications in various journals



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Chintareddy Palem, Nellore, Andhra Pradesh