Department of Neurosurgery

MCh Curriculum

Learning Outcomes

1. Explain clinical diagnosis & differential diagnosis of neurosurgical cases
2. Define diagnostic work up of neurosurgical cases
3. Describe management plan of neurosurgical cases
4. Perform independent surgeries
5. Perform supervised surgeries

Syllabus

Syllabus encompasses below mentioned neurosurgical domains

1. General Neurosurgery
2. Trauma Neurosurgery
3. Neuro-Oncology
4. Vascular Neurosurgery
5. Paediatric Neurosurgery
6. Spine
7. Functional & Stereotactic Neurosurgery

Teaching Learning Methods

1. Bed side teachings
2. Ward round teachings
3. OPD teachings
4. Clinical case presentations
5. Seminars presentations
6. Journal Club presentations
7. Mortality presentations
8. Operative teachings/ Operative chats
9. Online webinars
10. Skill training (drilling/micro suturing)
11. Hands on Cadaveric dissections

Interdisciplinary Training

Neurosurgery has interdisciplinary training with following departments

1. Neurology
2. Radiology (Neuro-radiology)
3. Critical Care Medicine
4. Pathology
5. Anaesthesia (Neuro-anaesthesia)

Assessment Methods

Formative Assessments

1. Discussion & Questioning during Seminar presentation
2. Discussion & Questioning during Journal Club presentation
3. Discussion & Questioning during Clinical case presentation
4. Questioning during ward rounds & bed side teaching
5. Observations during ward round and OPD consultations

Summative Assessment

1. Theory exams
2. Long & Short Clinical case presentations
3. MCQs
4. OSCE
5. Live surgery demonstration/ examination
6. Logbook assessment