

| Neurosurgery Final Stage | Links to eBrain from within ISCP |
|--|---|
| Cranial Surgery | |
| Cranial Trauma | |
| Management of head injured patients | Epidemiology of Head Injury Neuropathology of Head Injury Management of the Head Injured Patient Early Phase Care of the Moderate and Severely Head Injured Patient Cerebral Protection Strategies in Head Injury Nutrition and Fluid Balance in the Head Injured Patient Neurointensive Care ICU Management of TBI Overview of the Surgical Management of Head Injuries Complications of Head Injury: CSF Leak and Intracranial infection Complications of Head Injury: Cranial Nerve and Vascular Complications Complications of Head Injury: Hydrocephalus, Seizures and Pituitary Dysfunction Neuropsychology and Head Injury Outcome After Head Injury |
| Spontaneous Intracranial haemorrhage | |
| Aneurysmal Subarachnoid haemorrhage | Aetiology and Pathophysiology of Subarachnoid Haemorrhage Assessment and Emergency Management of Subarachnoid Haemorrhage Radiological Investigation of Subarachnoid Haemorrhage Medical Management of Subarachnoid Haemorrhage Vasospasm |
| Hydrocephalus | |
| Adult hydrocephalus | Management Principles of Hydrocephalus Performing an Endoscopic Third Ventriculostomy Performing a Subtemporal Decompression Normal Pressure Hydrocephalus Idiopathic intracranial hypertension |
| Intracranial tumours | |
| Anterior and middle fossa skull base tumours | Performing a pterional craniotomy Performing an eyebrow craniotomy Performing a subfrontal craniotomy Special considerations for skull base tumours |
| Transphenoidal surgery | Aetiology and Pathophysiology of Pituitary Adenomas Pituitary Apoplexy Medical management of pituitary adenomas Surgical Management of Pituitary Adenomas Performing a Trans-sphenoidal Approach to the Sellar |
| Functional neurosurgery | |
| Movement disorders | Classification and Epidemiology of movement disorders |
| Intracranial tumours | |
| Midline tumours | Performing a Subfrontal Craniotomy Performing a Midline Supratentorial Craniotomy How to do an interhemispheric approach for a colloid cyst The histopathology of choroid plexus neoplasms Surgical approaches to tumours of the ventricle Tumours of the Central Nervous System: Craniopharyngioma Management of Craniopharyngiomas Histopathology of Pineal Region Tumours Imaging Features of Pineal Region Tumours |

| | |
|--|--|
| Malignant posterior fossa tumours | Performing a Midline Posterior Fossa Craniotomy Tumours of the Brainstem Imaging features of medulloblastoma and other PNETs Management of primitive neuroectodermal tumours Principles of brain tumour management in children |
| Cerebellopontine angle tumours | Performing a Far Lateral Craniotomy The Translabyrinthine Approach to the Cerebellopontine Angle Performing a Retrosigmoid Craniotomy Management of Cerebellopontine Angle Tumours Histopathology of Peripheral Nerve Sheath Tumours and Schwannomas Stereotactic Radiosurgery for Acoustic Schwannomas |
| CNS Infection | |
| Intracerebral abscess and subdural empyema | The Diagnosis and Management of Brain Abscesses |
| Neurovascular surgery | |
| Intracranial aneurysms | Definitive Management of the Aneurysm: Radiology Definitive Management of an Aneurysm Familial Intracranial Aneurysms Unruptured Intracranial Aneurysms |
| Intracranial vascular malformations | Surgery for Arteriovenous Malformations Stereotactic Radiosurgery for Arteriovenous Malformations Cranial Dural Arteriovenous Fistulae Principles in Managing Cavernomas |
| Occlusive cerebrovascular disease | TIA Clinical Features and Referral Pathways and Investigations Surgical Management of Carotid Stenosis Performing a Carotid Endarterectomy Neuroradiological Interventions in Carotid or Vertebral Artery Stenosis Occlusion Challenges and Revascularisation Methods Ischaemic Stroke: Carotid and Vertebral Artery Dissection |
| Functional neurosurgery | |
| Chronic pain | Neuropathic pain |
| Trigeminal neuralgia | Diagnosis and Treatment of Trigeminal Neuralgia Performing a Percutaneous Trigeminal Rhizotomy Performing a microvascular decompression for trigeminal neuralgia |
| Epilepsy | Differential Diagnosis of Blackouts and Epilepsy Starting Epilepsy Treatment Surgical Treatment of Epilepsy Workup and Outcome Temporal Lobe Surgery for Epilepsy Palliative Surgical Treatments for Epilepsy |
| Spinal Surgery | |
| Spinal Trauma | |
| Cervical spine fracture-subluxation | Principles of Spinal Stability Principles of Surgical Treatment of Spinal Injuries Atlanto-axial Cervical Spine Fractures Subaxial Cervical Spine Fractures Performing a Posterior Cervical Fusion Fusing C1 to C2 |
| Thoraco-lumbar fractures | Fractures of the Spine Inserting Pedicle Screws Vertebroplasty and Kyphoplasty |
| Benign Intradural Tumours | |
| Intradural extramedullary tumours | Principles in Managing Intradural Extramedullary Spinal Tumours Radiology of Spinal Intradural Extramedullary Tumours Surgical Treatment of Spinal Intradural Extramedullary Tumours |

| | |
|--------------------------------------|---|
| Intramedullary spinal cord tumours | Intramedullary Spinal Cord Tumours |
| Malignant Spinal Cord Compression | |
| Malignant spinal cord compression | Malignant Spinal Cord Compression Malignant Spinal Cord Compression: Cases |
| Degenerative Spinal Disorders | |
| Lumbar radiculopathies | Management of Lumbar Disc Prolapse and Cauda Equina Syndrome Performing a Lumbar Microdiscectomy Performing a Lumbar Laminectomy Spondylolisthesis Diagnosis and Treatment of Back Pain |
| Cervical myeloradiculopathy | Managing Cervical Degenerative Disease Performing an Anterior Cervical Discectomy Performing Posterior Cervical Decompression Procedures |
| Craniocervical junction disorders | |
| Rheumatoid disease | Atlanto-axial Subluxation |
| Hindbrain herniation | Disorders of the Foramen Magnum Management of Syringomyelia Inserting or Revising a Syringopleural Shunt Performing Posterior Fossa Decompression for Chiari |
| Spinal Infection | |
| Spinal epidural abscess | Discitis, vertebral osteomyelitis and epidural abscess |
| Vertebral osteomyelitis and discitis | Discitis, vertebral osteomyelitis and epidural abscess |
| Peripheral Nerve Surgery | |
| Carpal tunnel compression | |
| Ulnar neuropathy | Acquired Peripheral Neuropathies |
| Peripheral nerve sheath tumours | |
| Paediatric Neurosurgery | |
| Paediatric head and spinal injury | Head Injuries in Children Inflicted Head Injury in Childhood: Non-accidental Spinal Injuries in Children |
| Paediatric hydrocephalus | Infantile intraventricular haemorrhage Use of an endoscope Performing an endoscopic third ventriculostomy Performing a subtemporal decompression How to do an interhemispheric approach for a colloid cyst Disorders of the foramen magnum |
| Intracranial vascular disorders | Management of Vein of Galen Malformations Paediatric Vascular Neurosurgery |