

Neurosurgery Special Interest Stage	Links to eBrain from within ISCP
Paediatric Neurosurgery	
Paediatric neurooncology	Principles of brain tumour management in children Diagnostic imaging in brain tumours CNS Tumours: Basic Histology WHO Grading System Histopathology of astrocytic neoplasms Pathology of pilocytic astrocytomas Histopathology of non-astrocytic gliomas Histopathology of neuronal and glioneuronal tumours Tumours of the brainstem Aetiology and pathogenesis of PNET of the CNS Histopathology of PNET of the CNS Imaging features of medulloblastoma and PNETs Management of Primitive Neuroectodermal tumours Histopathology of pineal region tumours Imaging features of pineal region tumours Histopathology of choroid plexus neoplasms Surgical approaches to tumours of the ventricle Management of craniopharyngiomas
Paediatric head and spinal injury	Head injuries in children Spinal injuries in children Inflicted Head Injury in Childhood: Non-accidental
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
Congenital spinal disorders	Spinal dysraphism Closing a neonatal myelomeningocele
Craniofacial disorders	
Paediatric epilepsy	Epileptic seizures and syndromes in neonates and infants Epilepsy in adolescence Surgical treatment of epilepsy Temporal lobe surgery for epilepsy
Intracranial vascular disorders	Paediatric Vascular Neurosurgery Surgery for arteriovenous malformations Infantile intraventricular haemorrhage Management of Vein of Galen Malformations Principles in managing cavernomas
Spasticity and movement disorders	Management of spasticity in children The management of posture and mobility Torticollis
Neuro-oncology	
Advanced surgical techniques	Surgical management of high grade gliomas Image guided neurosurgery Intraoperative chemotherapy and radiotherapy Intraoperative surgical adjuncts Minimally invasive neurosurgery Surgical approaches to tumours of the ventricle
Low-grade intrinsic tumours	Histopathology of non-astrocytic gliomas Histopathology of astrocytic neoplasms

	Pathology of pilocytic astrocytomas Histopathology of neuronal and glioneuronal tumours Non-surgical management of low grade gliomas Surgical management of low grade gliomas
Tumours of the ventricular system and pineal	Histopathology of pineal region tumours Imaging features of pineal region tumours Histopathology of choroid plexus neoplasms Surgical approaches to tumours of the ventricle
Brainstem tumours	Tumours of the brainstem
Radiosurgery and stereotactic radiotherapy	Principles of radiotherapy and radiosurgery Stereotactic Radiosurgery for Acoustic Schwannomas
Functional neurosurgery	
Surgical management of pain	Neuropathic pain
Neurovascular compression syndromes	Diagnosis and Treatment of Trigeminal Neuralgia Performing a microvascular decompression for trigeminal neuralgia Performing a Percutaneous Trigeminal Rhizotomy
Spasticity	Classification and epidemiology of movement disorders Management of spasticity and associated features
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
Movement disorders	Classification and Epidemiology of Movement Disorders Parkinsons Disease: Definition Pathogenesis and Pathology Parkinson's Disease: Surgical Treatment Tremor Classification and Management Dystonia: Classification and Genetics
Surgery for mental illness	
Neurovascular surgery	
Intracranial aneurysms	Aetiology and Pathophysiology of Subarachnoid Haemorrhage Assessment and Emergency Management of Subarachnoid Haemorrhage Radiological Investigation of Subarachnoid Haemorrhage Medical Management of Subarachnoid Haemorrhage Vasospasm Definitive Management of the Aneurysm: Radiology Definitive Management of an Aneurysm Familial Intracranial Aneurysms Unruptured Intracranial Aneurysms
Intracranial arteriovenous malformations	Surgery for Arteriovenous Malformations Stereotactic Radiosurgery for Arteriovenous Malformations
Intracranial dural arteriovenous fistulae	Cranial Dural Arteriovenous Fistulae
Cerebral ischaemia	TIA Clinical Features and Referral Pathways and Investigations Occlusion Challenges and Revascularisation Methods Surgical Management of Carotid Stenosis Performing a Carotid Endarterectomy Neuroradiological Interventions in Carotid or Vertebral Artery Stenosis Ischaemic Stroke: Carotid and Vertebral Artery Dissection
Skull-base surgery	
Cranial base meningiomas	Characteristic appearances and differential diagnosis of meningiomas

	Management of meningiomas
Pituitary and sellar region tumours	Aetiology and pathophysiology of pituitary adenomas Management of craniopharyngiomas Tumours of the central nervous system: craniopharyngiomas Medical management of pituitary adenomas Pituitary apoplexy Surgical management of pituitary adenomas
Acoustic neuromas	Management of cerebellopontine angle tumours Histopathology of peripheral nerve sheath tumours and schwannomas Stereotactic radiosurgery for acoustic schwannomas Performing a Far Lateral Craniotomy The Translabyrinthine Approach to the Cerebellopontine Angle Performing a Retrosigmoid Craniotomy Histopathology of Peripheral Nerve Sheath Tumours and Schwannomas
Other skull-base tumours	Special considerations for skull base tumours
Craniofacial repair	Complications of head injury: CSF leak and intracranial infection Cranial cerebrospinal fluid fistula
Spinal Surgery	
Spinal trauma	Fractures of the Spine 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 Inserting Pedicle Screws Vertebroplasty and Kyphoplasty
Metastatic spinal disease	Malignant spinal cord compression Malignant spinal cord compression (cases)
Primary spinal tumours Intradural tumours	Intramedullary spinal cord tumours Principles in managing intradural, extramedullary spinal tumours Radiology of spinal intradural, extramedullary tumours Surgical management of Spinal intradural, extramedullary tumours Imaging features of intramedullary Spinal Cord Tumours
Syringomyelia and hind brain anomalies	Disorders of the Foramen Magnum Management of Syringomyelia Inserting or Revising a Syringopleural Shunt Performing Posterior Fossa Decompression for Chiari
Advanced surgery of the ageing and degenerative spine	Spondylolisthesis Spondylolysis Sacroiliac disease Coccydinia Anterior approaches to thoracic and lumbar spine Posterior thoracic approaches Inserting pedicle screws Minimally invasive surgical approaches to the posterior thoracolumbar spine Vertebroplasty and Kyphoplasty Thoracic disc prolapse
Surgery of the rheumatoid spine	Atlanto-axial Subluxation Seronegative spondyloarthropathy

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