

Neurosurgery Initial Stage	Links to eBrain from within ISCP
Generic Module 1	
Basic sciences	
Applied anatomy	
Physiology	
Pharmacology	
Pathology	
Microbiology	
Imaging	
Generic Module 2	
Common Surgical Conditions	
Presenting symptoms or syndromes	
Breast disease	
Peripheral vascular disease	
Cardiovascular and pulmonary disease	
Disease of the Skin, Head and Neck	
Genitourinary disease	
Trauma and orthopaedics	
Neurology and Neurosurgery	<a href="#">Management of the head injured patient</a> <a href="#">Management of lumbar disc prolapse and cauda equina syndrome</a> <a href="#">The diagnosis and management of spontaneous subarachnoid haemorrhage</a> <a href="#">Management principles of hydrocephalus</a>
Endocrine	
Generic Module 3	
Basic surgical skills	
Generic Module 4	
The assessment and management of the surgical patient	
Generic Module 5	
Peri-operative care	
The assessment and management of the surgical patient	
Generic Module 6	
Assessment and management of patients with trauma (including the multiply injured patient)	
Generic Module 7	
Surgical care of the paediatric patient	<a href="#">Surgery in Children</a>
Generic Module 8	
Management of the dying patient	<a href="#">Palliative care and end of life care in brain tumour patients</a>
Generic Module 9	
Organ and tissue transplantation	
Neurosurgery	
Initial Stage	
Early Years Neurosurgery Requirements for ST3	
Early years assessment	
Core Neuroscience knowledge ST1	
Applied neuroanatomy	
Embryology and maldevelopment	<a href="#">Spinal dysraphism</a>
Anatomy of the skull	

Anatomy of the brain	<a href="#">Normal vascular radiological anatomy</a>
Anatomy of the spine	<a href="#">Normal spinal radiological anatomy</a>
Anatomy of the autonomic and peripheral nervous system	<a href="#">Neurological control through the autonomic nervous system</a> <a href="#">Peripheral nerve disorders: Bladder, Bowel and sexual dysfunction</a>
Neurophysiology	
Functional neurophysiology	
Principles of clinical neurophysiology	<a href="#">Intraoperative Neurosurgical electrophysiology</a>
Pathophysiology of intracranial disorders	
Pathophysiology of intracranial disorders	
Neuropharmacology	
Principles of neuropharmacology	
Neuropathology and Neuro-oncology	
Principles of neuropathology	<a href="#">CNS Tumours: Basic Histology WHO grading system</a>
Neuroradiology	
Principles of neuroradiology	<a href="#">X-ray development, physics, Uses, Risks and Regulations</a> <a href="#">CT based imaging techniques</a> <a href="#">Digital Subtraction Angiography</a> <a href="#">MR based imaging techniques</a> <a href="#">Nuclear medicine based imaging techniques</a> <a href="#">Spinal myelography</a> <a href="#">Ultrasound and Doppler imaging</a>
Neuropsychology	
Principles of neuropsychology	<a href="#">Neuropsychology and head injury</a>
Neurological Rehabilitation	
Principles of neurological rehabilitation	<a href="#">History taking and Examination in Complex Neurological Disability</a> <a href="#">Role of Occupational Therapy in Neurorehabilitation</a> <a href="#">Speech and language problems and their management</a> <a href="#">The assessment and management of swallowing</a> <a href="#">The management of posture and mobility</a> <a href="#">Vocational rehabilitation following neurological trauma or illness</a>
Medical ethics	
Medical ethics	
Neurogenetics	
Principles of neurogenetics	
Management of Common Neurological Conditions ST1	
Impaired consciousness and non-traumatic coma	<a href="#">Examining patients in coma</a> <a href="#">Common Neurological Symptoms: Seizures</a> <a href="#">Common Neurological Symptoms: Delirium</a>
Headache - acute and chronic	<a href="#">Common neurological symptoms: Headache</a>
Weakness and paralysis	<a href="#">Neurological assessment: weakness and sensory loss</a> <a href="#">Examination of the Limbs</a>
Dizziness, unsteadiness and falls	<a href="#">Neurological examination: Gait</a>
Pain and sensory loss Hearing disorder Visual disorder	<a href="#">Neurological examination: Visual Function</a> <a href="#">Neurological examination: Cranial nerves</a> <a href="#">Anatomy and pathophysiology of dizziness and vertigo</a>
Language and speech disturbance	<a href="#">Common Neurological symptoms: Language problems</a> <a href="#">Neurological examination: Speech</a>
Swallowing disorders	<a href="#">Common Neurological Symptoms: Swallowing Disorders</a>
Disorders of the Sphincteric and sexual function	<a href="#">Neurological control through the autonomic nervous system</a> <a href="#">Autonomic failure: Primary and secondary</a> <a href="#">Pelvic organ dysfunction following cauda equina damage</a>

Movement disorder	<a href="#">Common Neurological symptoms: Movement disorders</a> <a href="#">Neurological assessment: Movement disorders</a>
Memory and cognitive disorders	<a href="#">The mental status examination in Neurology</a> <a href="#">An approach to the cognitively impaired adult</a>
Behavioural disorders	<a href="#">Common Neurological symptoms: Behavioural and organic mental symptoms</a>
Basic Clinical Neurosurgery ST2 & ST3	
Cranial Trauma	
General management of the head injured patient	<a href="#">Early phase care of the moderate and severely head injured patient</a> <a href="#">Management of the head injured patient</a> <a href="#">Overview of the surgical management of head injuries</a>
Insertion of ICP monitor	<a href="#">Insertion of an intracranial pressure monitor</a>
Burr hole evacuation of chronic subdural haematoma	<a href="#">Performing burr holes</a> <a href="#">Evacuation of a chronic subdural haematoma</a>
Management of soft tissue trauma	
Spontaneous Intracranial haemorrhage	
General management of subarachnoid haemorrhage	<a href="#">Aetiology and pathophysiology of subarachnoid haemorrhage</a> <a href="#">Assessment and Emergency management of subarachnoid haemorrhage</a> <a href="#">Radiological investigation of subarachnoid haemorrhage</a>
Diagnostic lumbar puncture	<a href="#">Lumbar puncture and analysis of cerebrospinal fluid</a>
Management of delayed secondary ischaemia	<a href="#">Vasospasm</a>
Management of post-haemorrhagic hydrocephalus	<a href="#">Medical management of subarachnoid haemorrhage</a>
Hydrocephalus	
Adult hydrocephalus	<a href="#">Aetiology and pathophysiology of Hydrocephalus</a> <a href="#">Management principles of hydrocephalus</a> <a href="#">Inserting a ventricular access device or external ventricular drain</a>
Intracranial tumours	
Assessment and peri-operative management of patients with space-occupying intracranial tumours	<a href="#">Diagnostic imaging in brain tumours</a> <a href="#">Referral and management guidelines of tumour patients</a> <a href="#">Clinical presentation of patients with brain tumours</a>
Image-guided biopsy of intracranial tumour	<a href="#">How to do an image guided biopsy</a>
Acute Spinal Disorders	<a href="#">Management of lumbar disc prolapse and cauda equina syndrome</a> <a href="#">Managing cervical degenerative disease</a>