

Neurosurgery – Scope of Practice

Clinical Institute: Neurosciences

Procedure Name	Tier
All craniotomies, craniectomies, and skull reconstructions inc microscopic surgeries, on brain, meninges, pituitary gland and cranial nerves. This includes cranial trauma, brain tumours and cerebrovascular lesions, except as itemised elsewhere	Tier A
Anterior cervical spinal procedures including discectomy with or without fusion, corpectomy, and like procedures, with or without anterior plating	Tier A
Consulting	Tier A
Craniotomy under conditions of monitored sedation and local anaesthesia for brain mapping and/or resection of brain tumours and similar lesions	Tier A
Decompression of Chiari malformation or other pathology at cranio-cervical junction	Tier A
Insertion of subarachnoid or epidural catheter with reservoir pump for drug infusion or CSF withdrawal	Tier A
Laminectomies, laminotomies, discectomies, decompressive and reconstructive procedures of the spine and its contents, excluding instrumentation	Tier A
Lumbar puncture, cisternal puncture, ventricular tap, and subdural tap	Tier A
Muscle biopsy	Tier A
Nerve biopsy	Tier A
Nerve blocks	Tier A
Other percutaneous procedures at the foramen ovale for trigeminal neuralgia	Tier A
Peripheral nerve procedures, including decompressive procedures and reconstructive procedures on the peripheral nerves	Tier A
Posterior fossa-microvascular decompression procedures	Tier A
Radiofrequency lesioning of trigeminal nerve, cordotomy or other sites.	Tier A
Shunts: ventriculoperitoneal, ventriculoatrial, ventriculopleural, subdural peritoneal, and lumbar subarachnoid/peritoneal (or other cavity)	Tier A
Spinal cord surgery for decompression of spinal cord or spinal canal, for a variety of conditions, for intramedullary lesion, or intradural extramedullary lesion.	Tier A
Stereotactic surgery	Tier A
Surgery for tethered spinal cord, or for other congenital anomalies (eg diastematomyelia.)	Tier A
Anterior screw fixation of dens fracture	Tier B
Artificial disc implantation	Tier B
Cirq robotic arm - assistance with pedicle screw placement in spinal surgery	Tier B
Cordotomy, rhizotomy, and dorsal column stimulators for the relief of pain	Tier B
Craniotomies for clipping of cerebral aneurysms	Tier B
Deep brain stimulation for movement disorders	Tier B
Endoscopic ventriculoscopy, 3rd ventriculoscopy and related procedures	Tier B
Lumbar disc arthroplasty	Tier B
Lumbar interbody fusion	Tier B
Management of congenital anomalies, such as encephalocele, meningocele, and myelomeningocele	Tier B
Mazor Robot navigation for pedicle screw fixation	Tier B
Micro endoscopic discectomy	Tier B
Minimally invasive lumbar spinal surgery	Tier B
Neuroendoscopy	Tier B
Posterior cervical lateral mass plating	Tier B
Scoliosis, particularly in the adolescent and young adult	Tier B

Spinal Stimulation for Pain	Tier B
Stereotactic lesioning or placement of stimulating devices in the basal ganglia, and other deep brain sites	Tier B
Transsphenoidal procedures for lesions of the sellar or parasellar region, fluid leak or fracture	Tier B
Use of spinal implants, including pedicle screws.	Tier B
Anterior vertebral body tethering	Tier C