

NEUROLOGICAL SURGICAL PROCEDURES

CRANIAL

		Asst	Surg	Anae
Z811	Intravenous drug test for pain		54.10	6
# E919	- intracranial duroplasty (greater than 2 cm diameter) to any intracranial procedure..... add		244.80	
# E921	- repeat cranial procedure - payable in addition to any intracranial procedure and N111, N114 and N116 but excluding N127 add		252.20	

BRAIN

Craniotomy plus excision

Astrocytoma, oligodendroglioma, glioblastoma or metastatic tumour

# N103	- supratentorial	15	1562.90	15
# N151	- infratentorial	15	1726.80	15
# N152	Craniotomy plus lobectomy	15	1575.80	15
# E901	- with operating microscope..... add		234.65	

Meningioma and other tumourous lesions, including pituitary tumours

# N102	- supratentorial	15	1726.80	15
# N153	- infratentorial or basal	15	2345.00	15
# E901	- with operating microscope..... add		234.65	
# E902	- lesion greater than 2 cm diameter, to N102 or N153..... add		454.15	
# E903	- team fee for acoustic neuroma, same approach		614.70	

Note:

Claims for N200 or R380 with N153 rendered for the same patient should be submitted using the manual review indicator and accompanied by supporting documentation.

NEUROSURGERY - OPEN SURGICAL APPROACH

Intracranial aneurysm repair

Craniotomy approaches

# N105	Carotid circulation - per vessel	15	2140.15	20
# N154	Vertebrobasilar circulation, including aneurysm of vein of Galen	15	2140.15	20
# E901	- with operating microscope, to N105 or N154..... add		234.65	
# E898	- lesion greater than 2.5 cm, to N105 or N154..... add		229.55	
# E979	- clinoidal drilling for complex aneurysms, to N105 or N154..... add		396.70	
# E908	- removal of intracerebral and/or subdural haematoma in conjunction with a ruptured intracranial aneurysm or arteriovenous malformation, to N105 or N154		304.30	

Cerebral vascular malformation

Craniotomy

# N106	- supratentorial	15	1622.50	20
# N155	- infratentorial	15	1532.10	20
# E895	- of cerebral arteriovenous malformation greater than 4 cm, to N106 or N155..... add		373.80	
# E901	- with operating microscope, to N106 or N155..... add		234.65	
# E908	- removal of intracerebral and/or subdural haematoma in conjunction with a ruptured intracranial aneurysm or arteriovenous malformation, to N106 or N155		304.30	
# N218	Extracranial-intracranial microvascular anastomosis superficial temporal artery	15	1178.35	15
# N156	Occipital artery	15	1229.55	15
# E904	- posterior fossa		241.00	
# N121	Extracranial-intracranial long venous bypass (from internal carotid in the neck or any of the trunk vessels in the neck or chest to a major intracerebral vessel, i.e. vertebral, internal carotid, middle cerebral).....	15	1711.40	15

NEUROLOGICAL SURGICAL PROCEDURES

CRANIAL

	Asst	Surg	Anae
Carotid-cavernous fistula			
# N108 Obliteration of intracranial dural arteriovenous fistula (including carotid cavernous fistula) to include craniotomy and combined cervical and intracranial procedure	15	1229.55	15
INTRACRANIAL ENDOVASCULAR SURGERY			
Intracranial aneurysm repair			
Endovascular approaches			
# N122 Carotid circulation - per vessel	15	2140.15	20
# N125 Vertebrobasilar circulation, including aneurysm of vein of Galen	15	2140.15	20
# E894 - aneurysm greater than 2.5 cm, to N122 or N125 add		229.55	
Cerebral arteriovenous malformation			
Endovascular approach for obliteration			
# N107 Endovascular approach to include balloon catheter or embolization techniques for arteriovenous malformation	15	1456.95	15
Carotid-cavernous fistula			
# N118 Endovascular approach to include balloon catheter or embolization techniques for dural arteriovenous fistula including carotid cavernous fistula	15	952.05	15
SPONTANEOUS INTRACEREBRAL HAEMORRHAGE			
Craniotomy plus removal			
# N104 - supratentorial	15	1100.00	15
# N157 - infratentorial	15	1241.65	15
# N120 Burr hole plus drainage.....	15	481.90	15
INTRACRANIAL CYST			
Craniotomy plus evacuation			
# N158 - supratentorial	15	968.50	15
# N159 - infratentorial	15	1065.05	15
Note:			
N158, N159 to include interventriculostomy.			
# N160 Burr hole plus aspiration	15	426.95	15

NEUROLOGICAL SURGICAL PROCEDURES

CRANIAL

	Asst	Surg	Anae
INTRACRANIAL ABSCESS			
# N117 Craniotomy	15	1416.50	15
Burr hole			
# N115 - aspiration	7	578.85	7
# Z818 - subsequent aspiration through existing burr hole within 30 days		215.35	
# Z813 - plus needling of brain for biopsy	7	453.60	7
# N127 Re-opening of craniotomy for post-operative haematoma or for removal of bone flap	11	518.85	11
# N113 Craniotomy for brain biopsy (other than for tumour)	11	774.90	11
# N130 Craniotomy plus midline commissurotomy	15	1014.85	15
# N109 Hemispherectomy	15	1878.35	15
# N110 Lobectomy and/or excision of cortical scar for epilepsy	15	2184.20	15
# N128 Repair of encephalocele	15	798.80	15
# N129 Posterior fossa decompression for Arnold Chiari malformation	15	1110.00	15
# E901 - with operating microscope, to N129		234.65	
# N126 Intra-oral approach to lesions of the skull base and upper cervical spine	15	1442.95	15
# N123 Stereotaxis - intracranial (to include ventriculography)	11	538.40	11
# E931 - with implantation (and removal) of radioactive sources into brain tumour		222.85	
# E896 - sophisticated micro-electrode recording during stereotaxis, to N123		400.40	
Functional stereotaxy			
Payable for neuroablative and implantation therapy for treatment of movement disorders of basal ganglia and connections (e.g. Parkinson's disease). Must include pre-operative planning, application of stereotactic frame, intra-operative imaging, micro-electrode placement and recording, ablation of lesion and/or electrode implantation.			
# N124 Functional stereotaxy	9	1551.20	11
Note: N123 performed in conjunction with N124 is an insured service payable at nil.			
# N119 Intracranial implantation of chronic surface electrodes	11	901.25	11
# Z823 Implantation or revision of stimulation pack or leads (peripheral nerve, brain)	6	307.40	8
# Z824 Removal of chronic surface or depth electrodes		266.60	
# Z802 Ventricular puncture through previous burr hole or fontanelle or puncture and/or aspiration of cisterna		81.65	7
Ventriculoscopy			
# Z825 - to include burr hole		408.95	7
# E916 - with biopsy		233.30	
# E917 - with interventriculostomy		301.70	
# E918 - with removal of foreign body		132.80	
# Z819 External ventricular drainage	nil	215.35	7
# Z820 Insertion of intracranial catheter or transducer for purposes of monitoring	nil	317.85	7
# Z812 Subsequent revisions or replacements within 30 days	6	279.55	7

NEUROLOGICAL SURGICAL PROCEDURES

CRANIAL

Asst

Surg

Anae

CRANIO-CEREBRAL INJURIES

UVC Non-operative care visit. fee

Reduction of skull fracture

# N139	- simple, depressed	7	634.90	7
# N140	- compound	11	773.15	11
# E912	- with repair of dural laceration.....add		233.30	

Extracerebral haematoma and/or hygroma

# N143	Drainage by burr hole(s) - unilateral	7	559.60	7
# N144	Drainage and/or removal by craniotomy.....	11	863.25	11

CEREBRAL INJURY

# N148	Removal of intracerebral haematoma and/or debridement of traumatized brain (includes management of any skull fracture)	15	1040.65	15
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Note:

N143 is *not eligible for payment* in addition to N144 or N148 for the same craniotomy procedure.

# N149	Removal of foreign body from brain.....	15	968.50	15
# N150	C.S.F. leak - intracranial repair (to include trans-sphenoidal approach)	15	1065.45	15
# N200	Decompressive craniectomy (frontal, sub-temporal)	11	638.05	11

Note:

Claims for N200 with N153 rendered for the same patient should be submitted using the manual review indicator and accompanied by supporting documentation.

Subdural tap(s)

# Z803	- unilateral		53.10	
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CRANIAL NERVES

# N258	Percutaneous coagulation or glycerol injection of gasserian (trigeminal) ganglion or root - unilateral	nil	504.95	11
# N259	V - Decompression or rhizotomy (partial or complete) trigeminal nerve	11	481.90	11
# N265	VII - Differential section facial nerve for hemi-facial spasm (extracranial approach)	6	348.30	6
# N266	Anastomosis hypoglossal or accessory to facial nerve	6	727.80	6
# N267	Occipital and/or suboccipital craniectomy for compression, decompression or section of cranial nerves	11	1232.35	11
# E901	- with operating microscope, to N266 or N267.....add		234.65	
# N269	XI - Division of nerves to sternomastoid in neck.....	6	292.25	7
# Z826	Inferior dental neurectomy	6	184.00	6
# Z827	Infraorbital or supraorbital neurectomy	6	158.45	7

CAROTID AND VERTEBRAL ARTERIES

# N223	Vertebral endarterectomy	10	798.80	10
# Z815	Temporal artery - biopsy, ligation or cryosurgery		200.00	6
# Z808	Progressive carotid occlusion by Selverstone clamp.....	10	317.85	10
# Z807	Removal of Selverstone clamp	10	266.60	10

[Commentary:

For carotid endarterectomy, refer to R792 on page Q10 of the Cardiovascular Surgical Procedures section.]

NEUROLOGICAL SURGICAL PROCEDURES

CRANIAL

	Asst	Surg	Anae
CSF SHUNTING PROCEDURES			
# N230 CSF shunting procedures - all types.....	11	737.00	11
Revision of CSF shunt			
# N245 - operative - all types.....	7	420.70	7
# Z801 - non-operative.....		51.50	
Conversion of shunt (e.g. ventriculoperitoneal to ventriculoatrial)			
# N174 - includes removal of existing shunt.....	7	420.30	7
# N246 Removal of shunt - any type.....	7	289.70	7
# Z809 Insertion of CSF reservoir (Ommaya) including burr holes.....	11	370.50	11
# N249 Third ventriculostomy.....	11	777.80	11
# Z821 Injection of diagnostic or therapeutic agent into shunt apparatus.....		53.10	
SKULL			
Repair of skull defect			
# N161 Acrylic or metal cranioplasty.....	11	600.85	11
# N201 Rib graft cranioplasty (defect less than 7.5 cm).....	15	855.80	15
# N202 Replacement of bone flap.....	11	540.95	11
# N203 Skull tumour, excision.....	11	408.30	11
Craniosynostosis, linear craniectomy			
# N206 - one suture.....	11	430.75	11
# N207 - multiple sutures.....	15	563.50	15
Morcellation procedure			
# N162 - one suture.....	11	430.75	11
# N163 - multiple sutures.....	15	614.70	15
Lateral canthal advancement			
Unilateral			
# N164 - one surgeon.....	15	696.35	15
# N165 - two surgeons, major portion.....	15	430.75	15
# N166 - two surgeons, lesser portion.....		345.35	
Bilateral			
# N167 - one surgeon.....	15	952.55	15
# N168 - two surgeons, major portion.....	15	614.70	15
# N169 - two surgeons, lesser portion.....		461.10	
Craniotomy			
# N208 - for craniofacial repair.....	15	918.15	15
# E922 - with repair of frontonasal encephalocele..... add		215.35	
ORBIT			
Craniotomy			
# N211 - plus removal of orbital tumour.....	15	1116.60	15
# N212 - plus orbital decompression (roof of orbit with or without lateral wall).....	15	1045.45	15
# N213 - for decompression of optic nerve(s).....	15	1116.60	15
# E901 - with operating microscope, to N211 or N213..... add		234.65	

NEUROLOGICAL SURGICAL PROCEDURES

CRANIAL

Asst

Surg

Anae

BRAIN

SKULL BASE SURGERY – SURGICAL ACCESS - ENDONASAL APPROACH

Surgeon not rendering resection of lesion(s)

# N112	Endonasal endoscopic or microscopic approach for surgical access to sella turcica - includes when rendered middle turbinate reductions, maxillary anrostomies, ethmoidotomies, ethmoidectomies, sphenoidotomies, septotomy, septoplasty and septal mucosal flap(s) harvest associated with septotomy or sphenoidal mucosal flap(s).....	nil	1360.00	nil
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Surgeon rendering resection of lesion(s)

E905	- endonasal endoscopic or microscopic approach for surgical access to sella turcica - includes when rendered middle turbinate reductions, maxillary anrostomies, ethmoidotomies, ethmoidectomies, sphenoidotomies, septotomy, septoplasty and septal mucosal flap(s) harvest associated with septotomy or sphenoidal mucosal flap(s), to N111, N114 or N116		750.00	
E886	- extended endonasal endoscopic approach, for access to each anatomical area, anterior skull base, clivus/posterior fossa, C1 - C2, occipital condyle(s) when rendered, to N111, N112, N114 or N116.....		800.00	

Payment rules:

No services from the Respiratory Surgical Procedures or Integumentary System Surgical Procedures sections of this *Schedule* are eligible for payment with N111, N112, N114 or N116.

SKULL BASE SURGERY – RESECTION OF LESION(S) - ENDONASAL APPROACH

Pituitary lesion(s)

# N111	Transsphenoidal microscopic resection of lesion(s) originating in the sella turcica requiring simple closure, repair and/or reconstruction of surgical defect(s).....		1879.00	20
# N114	Transsphenoidal endonasal endoscopic resection of lesion(s) originating in the sella turcica requiring simple closure, repair and/or reconstruction of surgical defect(s)		1742.45	20
E887	- resection of pituitary lesion(s) extending beyond the sella turcica to the optic nerve(s), optic chiasm or hypothalamus, to N111 or N114		500.00	

Non-pituitary lesion(s)

# N116	Endonasal endoscopic resection of non-pituitary lesion(s) not originating from pituitary tissue requiring simple closure, repair and/or reconstruction of surgical defect(s)		2243.45	20
E888	Resection of non-pituitary lesion(s) involving the sellar region that extends to the optic nerve(s), optic chiasm or hypothalamus, to N116		500.00	

NEUROLOGICAL SURGICAL PROCEDURES

CRANIAL

Asst

Surg

Anae

Complex endonasal endoscopic resection of pituitary and non-pituitary lesion(s)

E889	- complex endonasal endoscopic resection from cranial nerves, to N114 or N116	add	800.00
E890	- complex endonasal endoscopic resection from cavernous sinuses, to N114 or N116	add	800.00
E891	- complex endonasal endoscopic resection from frontal or temporal lobe or brainstem, to N114 or N116	add	800.00

Payment rules:

1. E889, E890 and E891 are *only eligible for payment* to a physician who has completed a fellowship in skull base surgery or who has equivalent experience.
2. E889, E890 and E891 are *only eligible for payment* when rendered with E887 or E888.
3. Harvesting and/or use of any autologous materials (e.g. bone, fascia, dermis, muscle) is *not eligible for payment* with N111, N112, N114 or N116.

[Commentary:

Examples of non-pituitary lesions include meningioma, cranio/opharyngioma, chordoma.]

SKULL BASE SURGERY – COMPLEX CLOSURE, REPAIR AND/OR RECONSTRUCTION OF DEFECT(S)

E892	- harvesting of pedicled vascular flap(s) greater than 3cm in size for use in complex endoscopic closure, repair and/or reconstruction of surgical defect(s) to N111, N112, N114 or N116	add	500.00
E893	- complex closure, repair and/or reconstruction of surgical defect(s) - includes duroplasty when rendered to N111, N112, N114 or N116	add	555.00

Note:

A complex closure, repair and/or reconstruction is defined as surgical closure, repair and/or reconstruction:

- a. for a lesion extending beyond the sella turcica; and
- b. is necessary for repair of CSF leak(s); and
- c. requires the use of pedicled vascular flap(s) greater than 3 cm in size.

Payment rules:

1. N111, N114 and N116 requires simple closure, reconstruction and/or repair of surgical defect(s) and includes the harvesting and use of any autogenous materials and/or pedicled flap(s) less than 3 cm in size. E892 and E893 are *not eligible for payment* for simple closure, reconstruction and/or repair.
2. E919 is eligible for payment, if rendered, when performed as part of a simple closure, reconstruction and/or repair. E919 is *not eligible for payment* with E893.

[Commentary:

E892 and E893 may only be claimed when a complex closure, repair and/or reconstruction is required, as defined in the note above.]

NEUROLOGICAL SURGICAL PROCEDURES

PERIPHERAL NERVES

		Asst	Surg	Anae
# E906	- to basic fee for neurolysis, tumour excision, nerve suture or graft when using operating microscope add 40%			
# E925	- to basic fee for a repeat peripheral nerve procedure, (e.g. repair, transposition, graft or tumour excision) when repair delayed for more than 4 weeks..... add 30%			
Exploration, decompression, division, excision, biopsy, neurolysis and/or transposition				
# N188	- minor nerve - including digital, cutaneous or lateral femoral cutaneous nerve ..	6	153.70	7
# N285	- major nerve - excluding carpal tunnel or ulnar nerve at elbow	6	256.15	7
Note: N188 or N285 when performed through the same incision as flexor tendon repairs R585 or E581 is an insured service payable at nil.				
# N282	Brachial plexus (excluding thoracic outlet syndrome or cervical rib)	6	1000.00	6
# N177	Sciatic nerve in buttock.....	6	430.75	7
# N286	Tumour or neuroma - major nerve	6	317.85	7
Nerve suture				
# N289	- minor - (sensory/cutaneous nerve)	6	250.00	7
# N287	- major - (mixed sensory and motor nerve, or pure motor nerve)	6	500.00	7
Nerve graft				
# N183	- minor - (sensory/cutaneous nerve)	6	471.05	6
# N288	- major - (mixed sensory and motor nerve, or pure motor nerve)	6	927.55	6
# E899	- for each additional cable, to N288		102.45	
Note: Nerve graft fees include harvesting of the nerve(s) required for grafting.				
# Z816	Implantation of electrode for peripheral nerve stimulation	6	241.00	6
# Z823	Implantation or revision of stimulation pack or leads, (peripheral nerve, brain).....	6	307.40	8
# N290	Carpal tunnel release.....	6	156.75	6
# N190	Exploration and/or decompression and/or neurolysis of ulnar nerve (elbow).....	6	215.35	7
# N189	Ulnar nerve transposition at elbow - may include exploration, decompression and/or neurolysis.....	6	279.25	7
# N283	Decompression, exploration for thoracic outlet syndrome including excision of cervical and/or first rib and to include scalenotomy	6	389.05	7
# N295	Excision of Morton's or subcutaneous neuroma, glomus or small cutaneous nerve tumour	6	109.95	6
# E911	- implantation of neuroma into bone or muscle, to N286 or N295 add 40%			