

# 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 |      |
| # E381 | - intra-operative, diagnostic or physiological neuro monitoring .....  | add |       | 179.30 |      |
| # E921 | - repeat cranial procedure - payable in addition to any intracranial procedure and N111 but excluding N127 ..... | add |       | 215.35 |      |

## BRAIN

### Craniotomy plus excision

Astrocytoma, oligodendrogloma, glioblastoma or metastatic tumour

|        |   |     |    |         |    |
|--------|---|-----|----|---------|----|
| # N103 | - supratentorial .....  |     | 15 | 1384.75 | 15 |
| # N151 | - infratentorial .....  |     | 15 | 1598.45 | 15 |
| # N152 | Craniotomy plus lobectomy .....   |     | 15 | 1451.55 | 15 |
| # E901 | - with operating microscope.....  | add |    | 215.35  |    |
|        |   |     |    |         |    |
|        | Meningioma and other tumourous lesions, including pituitary tumours   |     |    |         |    |
| # N102 | - supratentorial .....  |     | 15 | 1598.45 | 15 |
| # N153 | - infratentorial or basal .....   |     | 15 | 2078.10 | 15 |
| # E901 | - with operating microscope.....  | add |    | 215.35  |    |
| # E902 | - lesion greater than 2 cm diameter, to N102, N153 ..   | add |    | 373.80  |    |
| # E903 | - team fee for acoustic neuroma, same approach.....   | add |    | 614.70  |    |
|        |   |     |    |         |    |
| # N111 | Transsphenoidal microscopic approach to the pituitary fossa for hypophysectomy, removal of adenoma or other tumours ..... |     | 15 | 1598.45 | 15 |

#### Note:

M061 is not eligible for payment when rendered for performing the approach to the pituitary fossa as part of N111.

#### [Commentary:]

As described in the surgical preamble, the surgical fee includes the generally accepted surgical components of the procedure. As such, the payment for N111 includes rendering the approach. In the event the service described by N111 is performed by two surgeons, (one performing the approach and the other the remainder of the procedure), the physicians are responsible for apportioning payment amongst themselves.]

## INTRACRANIAL ANEURYSM REPAIR

### Craniotomy or endovascular approaches

|        |   |     |    |         |    |
|--------|---|-----|----|---------|----|
| # N105 | Carotid circulation - per vessel.....                                   |     | 15 | 1704.50 | 15 |
| # N154 | Vertebralbasilar circulation, including aneurysm of vein of Galen ..... |     | 15 | 1362.35 | 15 |
| # E901 | - with operating microscope, to N105 or N154 .....                      | add |    | 215.35  |    |
| # 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 |    | 215.50  |    |

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## CRANIAL

**Asst    Surg    Anae**

### CEREBRAL ARTERIOVENOUS MALFORMATION

#### **Craniotomy for obliteration and/or excision**

|        |   |     |         |    |
|--------|---|-----|---------|----|
| # N106 | - supratentorial .....  | 15  | 1311.15 | 15 |
| # N155 | - infratentorial .....  | 15  | 1362.35 | 15 |
| # E895 | - of cerebral arteriovenous malformation greater than<br>4 cm..... add  |     | 373.80  |    |
| # E901 | - with operating microscope..... add  |     | 215.35  |    |
| # E908 | - removal of intracerebral and/or subdural haematoma in<br>conjunction with a ruptured intracranial aneurysm or<br>arteriovenous malformation, to N105, N106, N154, or<br>N155 .....  | add | 230.55  |    |
| # N107 | Extracranial approach to include balloon catheter or<br>embolization techniques .....   | 15  | 941.40  | 15 |
| # N218 | Extracranial-intracranial microvascular anastomosis superficial<br>temporal artery .....  | 15  | 1178.35 | 15 |
| # N156 | Occipital artery.....   | 15  | 1229.55 | 15 |
| # E904 | - posterior fossa .....   | add | 241.00  |    |
| # N121 | Extracranial-intracranial long venous bypass (from internal<br>carotid in the neck or any of the trunk vessels in the neck<br>or chest to a major intracerebral vessel, i.e. vertebral,<br>internal carotid, middle cerebral) ..... | 15  | 1711.40 | 15 |

#### **Carotid-cavernous fistula**

|        |   |    |         |    |
|--------|---|----|---------|----|
| # N108 | - intracranial obliteration to include combined cervical and<br>intracranial procedure..... | 15 | 1229.55 | 15 |
| # N118 | - extracranial approach to include balloon catheter or<br>embolization techniques.....      | 15 | 747.60  | 15 |

### SPONTANEOUS INTRACEREBRAL HAEMORRHAGE

#### **Craniotomy plus removal**

|        |                               |    |        |    |
|--------|-------------------------------|----|--------|----|
| # N104 | - supratentorial .....        | 15 | 881.30 | 15 |
| # N157 | - infratentorial .....        | 15 | 988.60 | 15 |
| # N120 | Burr hole plus drainage ..... | 15 | 481.90 | 15 |

### INTRACRANIAL CYST

#### **Craniotomy plus evacuation**

|        |                        |    |         |    |
|--------|------------------------|----|---------|----|
| # N158 | - supratentorial ..... | 15 | 881.30  | 15 |
| # N159 | - infratentorial ..... | 15 | 1014.15 | 15 |

#### **Note:**

N158, N159 to include interventriculostomy.

|        |                                 |    |        |    |
|--------|---------------------------------|----|--------|----|
| # N160 | Burr hole plus aspiration ..... | 15 | 399.45 | 15 |
|--------|---------------------------------|----|--------|----|

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### INTRACRANIAL ABSCESS

|   |    |         |    |
|---|----|---------|----|
| # N117 Craniotomy .....   | 15 | 1385.05 | 15 |
| # N127 Re-opening of craniotomy for post-operative haematoma or for removal of bone flap..... | 11 | 450.60  | 11 |
| # N113 Craniotomy for brain biopsy (other than for tumour) .....                              | 11 | 614.70  | 11 |
| # N130 Craniotomy plus midline commissurotomy.....  | 15 | 1014.85 | 15 |

### Burr hole

|   |    |         |    |
|---|----|---------|----|
| # N115 - aspiration .....   | 7  | 533.20  | 7  |
| # Z818 - subsequent aspiration through existing burr hole within 30 days .....          |    | 215.35  |    |
| # Z813 - plus needling of brain for biopsy.....   | 7  | 296.90  | 7  |
| # N109 Hemispherectomy .....  | 15 | 1878.35 | 15 |
| # N110 Lobectomy and/or excision of cortical scar for epilepsy.....                     | 15 | 2184.20 | 15 |
| # N128 Repair of encephalocoele .....   | 15 | 798.80  | 15 |
| # N129 Posterior fossa decompression for Arnold Chiari malformation .                   | 15 | 963.00  | 15 |
| # E901 - with operating microscope, to N129 ..... add                                   |    | 215.35  |    |
| # N126 Intra-oral approach to lesions of the skull base and upper cervical spine .....  | 15 | 1442.95 | 15 |
| # E381 - intra-operative, diagnostic or physiological neuro monitoring .....            |    | 179.30  |    |
| # N123 Stereotaxis - intracranial (to include ventriculography) .....                   | 11 | 1076.75 | 11 |
| # E931 - with implantation (and removal) of radioactive sources into brain tumour ..... |    | 222.85  |    |

### 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, intraoperative 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.

|  |    |        |    |
|--|----|--------|----|
| # E896 - sophisticated micro-electrode recording during stereotaxis (not billable in conjunction with E381)... add     |    | 400.40 |    |
| # N119 Intracranial implantation of chronic surface electrodes .....   | 11 | 901.25 | 11 |
| # Z823 Implantation or revision of stimulation pack or leads (peripheral nerve, brain).....                            |    | 307.40 |    |
| # 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  |

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### **INTRACRANIAL ABSCESS**

#### **Ventriculoscopy**

|        |  |        |        |
|--------|--|--------|--------|
| # Z825 | - to include burr hole.....  | 317.85 | 7      |
| # E916 | - with biopsy .....  | 132.80 |        |
| # E917 | - with interventriculostomy.....   | 132.80 |        |
| # E918 | - with removal of foreign body.....  | 132.80 |        |
| # Z819 | External ventricular drainage.....   | nil    | 215.35 |
| # Z820 | Insertion of intracranial catheter or transducer for purposes of monitoring..... | nil    | 317.85 |
| # Z812 | Subsequent revisions or replacements within 30 days.... each                     | 6      | 215.35 |

### **CRANIO-CEREBRAL INJURIES**

|     |                          |            |
|-----|--------------------------|------------|
| UVC | Non-operative care ..... | visit. fee |
|-----|--------------------------|------------|

#### **Reduction of skull fracture**

|        |   |     |        |    |
|--------|---|-----|--------|----|
| # N139 | - simple, depressed .....               | 7   | 373.80 | 7  |
| # N140 | - compound.....                         | 11  | 507.55 | 11 |
| # E912 | - with repair of dural laceration ..... | add | 132.80 | 6  |

#### **Extracerebral haematoma and/or hygroma**

|        |   |    |        |    |
|--------|---|----|--------|----|
| # N143 | Drainage by burr hole(s) - unilateral.....  | 7  | 507.55 | 7  |
| # N144 | Drainage and/or removal by craniotomy ..... | 11 | 798.80 | 11 |

#### **Note:**

The Medical Consultant will be requested to give professional assessment to claims with multiple procedures e.g. N144, N148.

### **CEREBRAL INJURY**

|        |  |    |         |    |
|--------|--|----|---------|----|
| # N148 | Removal of intracerebral haematoma and/or debridement of traumatized brain (includes management of any skull fracture) ..... | 15 | 881.30  | 15 |
| # N149 | Removal of foreign body from brain.....  | 15 | 881.30  | 15 |
| # N150 | C.S.F. leak - intracranial repair (to include trans-sphenoidal approach).....  | 15 | 1065.45 | 15 |
| # N200 | Decompressive craniectomy (frontal, sub-temporal) .....  | 11 | 614.70  | 11 |

#### **Subdural tap(s)**

|        |                   |       |
|--------|-------------------|-------|
| # Z803 | - unilateral..... | 53.10 |
|--------|-------------------|-------|

# NEUROLOGICAL SURGICAL PROCEDURES

## CRANIAL

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### CRANIAL NERVES

|        |  |     |        |    |
|--------|--|-----|--------|----|
| # N258 | Percutaneous coagulation or glyceral injection of gasserian (trigeminal) ganglion or root - unilateral ..... | nil | 409.85 | 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   | 563.50 | 6  |
| # N267 | Occipital and/or suboccipital craniectomy for compression, decompression or section of cranial nerves .....  | 11  | 963.00 | 11 |
| # E901 | - with operating microscope, to N266 or N267 ..... add   |     | 215.35 |    |
| # N269 | XI - Division of nerves to sternomastoid in neck .....   | 6   | 292.25 | 6  |
| # Z826 | Inferior dental neurectomy .....   | 6   | 184.00 | 6  |
| # Z827 | Infraorbital or supraorbital neurectomy .....  | 6   | 158.45 | 6  |

### CAROTID AND VERTEBRAL ARTERIES

|        |   |    |        |    |
|--------|---|----|--------|----|
| # N220 | Carotid endarterectomy (with or without bypass and/or patch graft).....                   | 10 | 764.20 | 10 |
| # N223 | Vertebral endarterectomy .....  | 10 | 798.80 | 10 |
| # Z815 | Temporal artery - biopsy, ligation or cryosurgery.....                                    |    | 107.20 | 6  |
| # Z808 | Progressive carotid occlusion by Selverstone clamp.....                                   | 10 | 317.85 | 10 |
| # Z807 | Removal of Selverstone clamp .....  | 10 | 266.60 | 10 |
| # E381 | - intra-operative diagnostic or physiological neuro monitoring, to N220 or Z808 ..... add |    | 179.30 |    |

### CSF SHUNTING PROCEDURES

|        |   |    |        |    |
|--------|---|----|--------|----|
| # N230 | CSF shunting procedures - all types ..... | 11 | 474.45 | 11 |
|--------|---|----|--------|----|

#### Revision of CSF shunt

|        |                              |   |        |   |
|--------|------------------------------|---|--------|---|
| # N245 | - operative - all types..... | 7 | 281.70 | 7 |
| # Z801 | - non-operative .....        |   | 40.80  |   |

#### 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  | 184.00 | 7  |
| # Z809 | Insertion of CSF reservoir (Ommaya) including burr holes .....          | 11 | 241.00 | 11 |
| # N249 | Third ventriculostomy .....   | 11 | 655.60 | 11 |
| # Z821 | Injection of diagnostic or therapeutic agent into shunt apparatus ..... |    | 53.10  |    |

# NEUROLOGICAL SURGICAL PROCEDURES

## CRANIAL

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### **SKULL**

#### **Repair of skull defect**

|        |  |    |        |    |
|--------|--|----|--------|----|
| # N161 | Acrylic or metal cranioplasty .....                    | 11 | 563.50 | 11 |
| # N201 | Rib graft cranioplasty (defect less than 7.5 cm) ..... | 15 | 855.80 | 15 |
| # N202 | Replacement of bone flap .....                         | 11 | 481.90 | 11 |
| # N203 | Skull tumour, excision .....                           | 11 | 373.80 | 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 | 215.35  |    |

# NEUROLOGICAL SURGICAL PROCEDURES

## PERIPHERAL NERVES

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|        |  |         |        |
|--------|--|---------|--------|
| # E906 | - to basic fee for neurolysis, tumour excision, nerve suture or graft when using operating microscope . . . . .  | add 40% |        |
| # E381 | - intra-operative, diagnostic or physiological neuro monitoring . . . . .  | add     | 179.30 |
| # 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 | 6 |
| # N285 | - major nerve - excluding carpal tunnel or ulnar nerve at elbow . . . . .                 | 6 | 256.15 | 6 |

**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  | 6 |
| # N286 | Tumour or neuroma - major nerve . . . . .                                      | 6 | 317.85  | 6 |

### **Nerve suture**

|        |  |   |        |   |
|--------|--|---|--------|---|
| # N289 | - minor - (sensory/cutaneous nerve) . . . . .                            | 6 | 250.00 | 6 |
| # N287 | - major - (mixed sensory and motor nerve, or pure motor nerve) . . . . . | 6 | 500.00 | 6 |

### **Nerve graft**

|        |  |   |        |   |
|--------|--|---|--------|---|
| # N183 | - minor - (sensory/cutaneous nerve) . . . . .                            | 6 | 307.40 | 6 |
| # N288 | - major - (mixed sensory and motor nerve, or pure motor nerve) . . . . . | 6 | 614.70 | 6 |
| # E899 | - for each additional cable, to N288 . . . . . add                       |   | 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 | 6 |
| # N189 | Ulnar nerve transposition at elbow - may include exploration, decompression and/or neurolysis . . . . .                                      | 6 | 279.25 | 6 |
| # N283 | Decompression, exploration for thoracic outlet syndrome including excision of cervical and/or first rib and to include scalenotomy . . . . . | 6 | 389.05 | 6 |
| # 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%   |   |        |   |

# **NEUROLOGICAL SURGICAL PROCEDURES**

**NOT ALLOCATED**