

# CARDIOVASCULAR SURGICAL PROCEDURES

## ARTERIES

|  | Asst | Surg   | Anae |
|--|------|--------|------|
| <b>Cannulation for infusion chemotherapy</b>   |      |        |      |
| # R775 - superficial temporal artery .....   | 6    | 95.80  | 6    |
| # R776 - hepatic artery.....   | 6    | 263.05 | 7    |
| # R778 - carotid artery .....  | 6    | 148.50 | 6    |
| # R760 Regional isolation perfusion e.g. iliac .....   | 10   | 410.45 | 10   |
| # R764 Exploration of major artery.....  | 6    | 271.60 | 10   |
| <b>INCISION</b>  |      |        |      |
| # Z402 Arteriotomy .....   |      | 117.30 | 6    |
| <b>Note:</b><br>Z402 not allowed in addition to other major cardiovascular surgery.  |      |        |      |
| <b>REPAIR</b>  |      |        |      |
| <b>Traumatic</b>   |      |        |      |
| # R790 Suture of lacerated major artery .....  | 6    | 316.85 | 10   |
| # R795 Repair of lacerated major artery or microscopic repair of digital artery (including patch angioplasty).....                       | 10   | 598.40 | 10   |
| # R862 - by bypass or interposition graft .....  | 10   | 834.30 | 10   |
| <b>LIGATION</b>  |      |        |      |
| # R781 Ligation of artery - as sole procedure .....  | 6    | 170.10 | 8    |
| # R788 Internal maxillary artery - Caldwell Luc approach.....  | 7    | 408.10 | 10   |
| # R789 Anterior ethmoid artery .....   | 6    | 299.85 | 7    |
| # R708 Internal iliac artery (unilateral or bilateral).....  | 7    | 409.55 | 10   |
| <b>EXCISION AND/OR REPAIR</b>  |      |        |      |
| 1. Common femoral artery repair (e.g. R784, R785) includes repair to the profunda femoris artery as far as the first major branch.       |      |        |      |
| 2. If the repair extends beyond the first major branch of the profunda femoris artery, R815 may be claimed in addition.                  |      |        |      |
| 3. If the repair extends beyond the second major branch of the profunda femoris artery, R856 instead of R815 may be claimed in addition. |      |        |      |
| 4. For procedures involving the application of a complete aortic cross clamp, the anaesthetic basic fee will depend on:                  |      |        |      |
| a. the level of application of the cross clamp; and  |      |        |      |
| b. the surgical exposure and extent of the aortic repair   |      |        |      |
| # E679 - with vein graft harvest remote from site of by-pass and only when saphenous vein is unavailable..... add                        |      | 124.10 |      |
| # E649 - embolectomy and/or thrombectomy when done in conjunction with other vascular procedures..... add                                |      | 112.45 |      |

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## ARTERIES

Asst

Surg

Anae

**Note:**

E649 is *only eligible for payment* under the following circumstances:

- a. when embolectomy and/or thrombectomy is rendered at a site other than the main operative site; or
- b. when embolectomy and/or thrombectomy is rendered at the main operative site and thrombus and/or embolus was present prior to surgery.

**[Commentary:**

E649 is *not eligible for payment* when rendered at the main operative site in any other circumstance other than paragraph b above.]

# CARDIOVASCULAR SURGICAL PROCEDURES

## ARTERIES

|   | Asst | Surg    | Anae |
|---|------|---------|------|
| # R875 Endovascular aneurysm repair using stent grafting .....  | 10   | 1396.90 | 17   |
| # E627 - ruptured aneurysm, to R875 .....                       |      | 400.00  |      |
| # E510 - for branched or fenestrated devices, to R875.....      |      | 838.15  |      |
| # E509 - conduit to aorta or common iliac artery, to R875 ..... |      | 805.65  |      |

### Note:

1. These services include insertion of all catheters including access catheters, interpretation of any images which may be taken at the time of the procedures.
2. E510 is *not eligible for payment* for branched or fenestrated devices to the common iliac artery(s).
3. E510 is *not eligible for payment* with E627.

### [Commentary:

1. Endovascular repair for abdominal aortic aneurysms is only recommended for patients who are at high-risk of perioperative morbidity or death from open surgical repair.
2. For open repair of abdominal aorta aneurysms, see page Q14.]

### Abdominal surgical exposure

|   |    |        |    |
|---|----|--------|----|
| # R880 - supraceliac aortic cross clamp .....   |    | -      | 20 |
| # R881 - infraceliac aortic cross clamp .....   |    | -      | 17 |
| # R882 Thoracic surgical exposure.....  |    | -      | 25 |
| # R883 Thoraco-abdominal surgical exposure .....  |    | -      | 30 |
| # R815 Arterioplasty with or without patch graft including microvascular anastomosis, arterial or venous (other than listed below)... | 10 | 581.85 | 10 |

### Carotid

|   |    |        |    |
|---|----|--------|----|
| # R792 - endarterectomy, with or without bypass graft ..... | 10 | 841.00 | 10 |
| # E665 - with patch graft, to R792.....                     |    | 419.00 |    |

### Note:

R815 is *not eligible for payment* with R792.

|   |    |        |    |
|---|----|--------|----|
| # R796 - carotid body tumour.....                               | 10 | 769.85 | 10 |
| # R798 - aneurysm - reconstruction or excision with graft ..... | 10 | 820.70 | 10 |

### Aortic arch reconstruction

|                                |    |        |    |
|--------------------------------|----|--------|----|
| # R830 - innominate.....       | 10 | 910.70 | 10 |
| # R831 - subclavian .....      | 10 | 910.70 | 10 |
| # R832 - vertebral .....       | 10 | 867.35 | 10 |
| # E659 - with thoracotomy..... | 6  | 169.00 |    |
| # E667 - ruptured .....        |    | 266.60 |    |

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|  | Asst | Surg    | Anae |
|--|------|---------|------|
| <b>Thoracic aorta aneurysm - repair or excision with graft</b> |      |         |      |
| # R799 - ascending .....                                       | 18   | 1473.15 | 20   |
| # R800 - arch .....  | 18   | 1840.35 | 20   |
| # R801 - descending with or without temporary shunt .....      | 10   | 1260.30 | 20   |
| # E667 - ruptured..... add                                     |      | 266.60  |      |
| # R803 Thoraco-abdominal aneurysm .....                        | 18   | 2859.30 | 30   |

**Note:**

If the services of a second anaesthetist are required, the second anaesthetist is also permitted to claim R803C.

**Abdominal aorta - repair or excision with graft**

|  |    |         |    |
|--|----|---------|----|
| # R802 - aneurysm repair alone or including unilateral common femoral repair .....       | 10 | 1585.50 | 17 |
| # R817 - aneurysm repair and bilateral common femoral repair .....                       | 10 | 2327.50 | 17 |
| # R877 - aneurysm with repair of iliac artery aneurysm (unilateral or bilateral).....    | 10 | 2116.90 | 17 |
| # E626 - with implantation of inferior mesenteric artery, to R802, R817 or R877..... add |    | 174.35  |    |
| # E627 - ruptured aneurysm to R802, R803, R817 or R877 .... add                          |    | 400.00  |    |
| # E986 - suprarenal or supraceliac aortic cross clamp, to R802, R817 or R877..... add    |    | 250.00  |    |

**[Commentary:**

For endovascular aneurysm repair, see page Q13.]

# CARDIOVASCULAR SURGICAL PROCEDURES

## ARTERIES

|   | Asst | Surg    | Anae |
|---|------|---------|------|
| <b>Mesenteric or celiac artery repair</b>   |      |         |      |
| # R811 - aneurysm.....  | 10   | 410.85  | 10   |
| # R935 - removal of band only .....   | 10   | 410.85  | 10   |
| # R936 - endarterectomy or graft .....  | 10   | 954.10  | 10   |
| <b>Note:</b>  |      |         |      |
| Use R935 for excision of celiac ganglion.   |      |         |      |
| # R940 Pulmonary thromboendarterectomy (PTE) - includes<br>circulatory arrest with hypothermia..... | 18   | 2021.05 | 28   |
| <b>Aorto-iliac repair</b>   |      |         |      |
| # R783 - including common iliac repair (uni- or bilateral).....                                     | 10   | 2002.00 | 17   |
| # R784 - plus unilateral common femoral repair .....  | 10   | 2102.00 | 17   |
| # R785 - plus bilateral common femoral repair .....   | 10   | 2327.50 | 17   |
| # E626 - plus implantation of inferior mesenteric artery .....                                      |      | 174.35  |      |
| # R814 - embolectomy or thrombectomy of bifurcation (aorta or graft)                                | 10   | 461.50  | 10   |
| # R858 Total removal of infected aortic graft (stem and limbs)* .....                               | 10   | 918.35  | 17   |
| # E664 - closure of duodenum .....  |      | 127.05  |      |
| # R859 Partial removal of infected aortic graft (one limb only)* .....                              | 10   | 344.00  | 10   |
| # E986 - suprarenal or supraceliac aortic cross clamp, to R783,<br>R784, R785, R858 or R859 .....   |      | 250.00  |      |
| <b>Note:</b>  |      |         |      |
| * Arterial reconstruction extra.  |      |         |      |
| # R805 Renal artery - aneurysm - reconstruction or excision with graft                              | 10   | 867.35  | 10   |
| # R806 Renal artery repair .....  | 10   | 867.35  | 10   |
| # R807 Splenic artery aneurysm - reconstruction or excision with graft                              | 10   | 411.05  | 10   |
| # R786 Iliac repair to include internal iliac aneurysm .....  | 10   | 805.65  | 10   |
| # R937 Ilio-femoral bypass graft .....  | 10   | 805.65  | 10   |
| <b>Per-obturator ilio-femoral graft</b>   |      |         |      |
| # R860 - with saphenous vein .....  | 10   | 898.55  | 10   |
| # R861 - with prosthetic graft .....  | 10   | 876.85  | 10   |
| <b>Profundoplasty</b>   |      |         |      |
| # R855 Common femoral/profunda femoris repair - as sole procedure                                   | 10   | 559.20  | 10   |
| # R856 Extended profundoplasty .....  | 10   | 818.80  | 10   |
| # R933 Axillo-femoral, femoro-femoral or axillo-axillary graft.....                                 | 10   | 656.55  | 10   |
| # R932 Axillo-bifemoral graft .....   | 10   | 1200.00 | 10   |
| # R934 Aorto-femoral unilateral graft (for bilateral see R785) .....                                | 10   | 867.35  | 17   |
| # R808 Femoral aneurysm - reconstruction or excision with graft .....                               | 10   | 600.30  | 10   |
| # R873 Thrombin injection of femoral artery pseudoaneurysm .....                                    |      | 68.20   | 6    |
| <b>Note:</b>  |      |         |      |
| J202 is payable when rendered in conjunction with R873.   |      |         |      |
| # R864 Repair of false aneurysm at groin anastomosis .....  | 10   | 893.20  | 10   |

# CARDIOVASCULAR SURGICAL PROCEDURES

## ARTERIES

|  | Asst | Surg   | Anae |
|--|------|--------|------|
| # R809 Femoral-popliteal endarterectomy .....  | 10   | 759.60 | 10   |
| # R878 Subintimal dissection for recanalization of femoral/popliteal/<br>tibial arterial occlusive disease ..... | 10   | 759.60 | 10   |
| # R879 Subintimal dissection for recanalization of iliac/aorta arterial<br>occlusive disease .....               | 10   | 759.60 | 10   |
| # E815 - angioplasty remote from subintimal dissection site, to<br>R878 and R879.....add                         |      | 398.15 |      |

**Note:**

E815 includes placement of stent(s) or any other device(s), when rendered.

**Payment rules:**

1. R878 is *not eligible for payment* same patient same day as R809, R791, R794, R787, R780 or R797.
2. R879 is *not eligible for payment* same patient same day as R783, R784, R785, R860 or R861.
3. R878 and R879 include catheter placement, angiography and any image guidance. Obtaining and interpreting any images in conjunction with R878 and R879 are *not eligible for payment* to any physician.
4. Bilateral procedures for R878 or R879 are payable only as separate services when subintimal dissection is performed using separate bilateral incisions.

**Femoro-popliteal**

|   |    |         |    |
|---|----|---------|----|
| # R791 - with saphenous vein .....  | 10 | 1077.25 | 10 |
| # E672 - composite femoral popliteal/tibial bypass (vein PFPE,<br>dacron).....add |    | 133.40  |    |
| # R794 - with prosthetic graft .....  | 10 | 733.15  | 10 |

**Femoro-anterior/posterior tibial/peroneal bypass graft**

|   |    |         |    |
|---|----|---------|----|
| # R787 - with saphenous or arm vein, with or without splicing .....               | 10 | 1265.00 | 10 |
| # E672 - composite femoral popliteal/tibial bypass (vein PFPE,<br>dacron).....add |    | 133.40  |    |
| # R780 - with prosthetic graft .....  | 10 | 878.00  | 10 |

**Note:**

R791, E672, R794, R787, E672, R780 *with or without* endarterectomy.

|   |    |        |    |
|---|----|--------|----|
| # R810 Popliteal aneurysm .....                                 | 7  | 805.65 | 10 |
| # R812 Peripheral arteries other than listed - aneurysm.....    | 7  | 410.45 | 10 |
| # R813 Embolectomy - artery or graft - as sole procedure .....  | 7  | 490.00 | 10 |
| # R867 Thrombectomy - artery or graft - as sole procedure ..... | 7  | 490.00 | 10 |
| # R866 Gastric devascularization - as sole procedure.....       | 10 | 549.65 | 10 |

# CARDIOVASCULAR SURGICAL PROCEDURES

## ARTERIES

|   | Asst | Surg    | Anae |
|---|------|---------|------|
| <b>In-situ saphenous vein arterial bypass</b> |      |         |      |
| # R797 - popliteal .....                      | 10   | 1414.15 | 17   |
| One Vascular Surgeon                          |      |         |      |
| # R804 - tibial .....                         | 10   | 1643.00 | 17   |
| Two Vascular Surgeons                         |      |         |      |
| # R766 - tibial - first surgeon .....         | 10   | 1303.00 | 17   |
| # R767 - tibial - second surgeon .....        | nil  | 1303.00 | nil  |

**Payment rules:**

1. R766 and R767 are *only eligible for payment* to a physician that is a vascular surgeon with a specialty designation in General Surgery (03) or Vascular Surgery (17).
2. R766 and R767 are *not eligible for payment* with R804.

**[Commentary:**

Surgical assistant units associated with R766 are *only eligible for payment* to one physician.]

# CARDIOVASCULAR SURGICAL PROCEDURES

## VEINS

Asst

Surg

Anae

### Varicose veins involving the long and/or short saphenous vein(s)

Surgical services (ligation/stripping) for the treatment of varicose veins involving the long saphenous and/or short saphenous vein(s) are only insured when all of the following conditions are met:

1. There is incompetence (i.e. reflux) at the saphenofemoral junction or saphenopopliteal junction that is documented by Doppler or duplex ultrasound scanning;
2. The patient has failed a trial of conservative management of at least three *months* duration; and
3. The patient has at least one of the conditions described in either a. or b. below:
  - a. One or more of the following signs of chronic venous insufficiency:
    - i. Eczema;
    - ii. Pigmentation;
    - iii. Lipodermatosclerosis;
    - iv. Ulceration
  - b. Varicosities that result in one or more of the following:
    - i. Ulceration secondary to venous stasis;
    - ii. One or more significant hemorrhages from a ruptured superficial varicosity;
    - iii. Two or more episodes of minor hemorrhage from a ruptured superficial varicosity;
    - iv. Recurrent superficial thrombophlebitis;
    - v. Stasis dermatitis;
    - vi. Varicose eczema;
    - vii. Lipodermosclerosis;
    - viii. Unremitting edema or intractable pain interfering with activities of daily living and requiring chronic analgesic medication.
1. Conservative management includes analgesics and prescription gradient support compression stockings.
2. Significant hemorrhage refers to a hemorrhage related to varicose veins that requires iron therapy or transfusion.]

### LIGATION/STRIPPING

|        |  |   |        |    |
|--------|--|---|--------|----|
| # Z745 | Saphenous.....   |   | 53.20  | 6  |
| # R868 | High ligation and stripping of long saphenous vein with groin dissection .....       | 6 | 200.00 | 7  |
| # R869 | Stripping of short saphenous vein with popliteal dissection....                      | 6 | 107.50 | 7  |
| # R837 | Multiple ligation and avulsion.....  | 6 | 200.00 | 7  |
| # R844 | Recurrent varicose veins - multiple ligation and/or stripping ..                     | 6 | 353.80 | 7  |
| # R842 | Extra fascial and sub-fascial incompetent perforators by full fascial technique..... | 6 | 384.75 | 7  |
| # E653 | - plus stripping..... add  |   | 127.15 |    |
| # Z746 | Femoral.....   | 6 | 74.25  | 7  |
| # Z747 | Popliteal.....   | 6 | 74.25  | 7  |
| # Z748 | Internal jugular.....  | 6 | 148.60 | 7  |
| # R839 | Internal iliac.....  | 6 | 394.85 | 10 |
| # R834 | I.V.C. - transabdominal .....  | 6 | 446.50 | 10 |



# CARDIOVASCULAR SURGICAL PROCEDURES

## VEINS

|  | Asst | Surg   | Anae |
|--|------|--------|------|
| # R838 I.V.C. - transvenous (umbrella) ..... | 6    | 303.00 | 10   |

# CARDIOVASCULAR SURGICAL PROCEDURES

## VEINS

Asst

Surg

Anae

### EXCISION

#### Resection of AV aneurysm or fistula with or without major graft

|        |                       |    |        |    |
|--------|-----------------------|----|--------|----|
| # R825 | - major aneurysm..... | 10 | 975.50 | 17 |
| # R826 | - minor aneurysm..... | 10 | 497.25 | 10 |

#### Payment rules:

R825 and R826 are *not eligible for payment* for revision or repair of an AV fistula or graft required for haemodialysis.

#### [Commentary:

See listings for revision or repair of arterio-venous (AV) fistula or graft for haemodialysis on page J41 of the Diagnostic and Therapeutic Procedures section of this *Schedule*.]

### REPAIR

|        |   |    |         |    |
|--------|---|----|---------|----|
| # R820 | Lacerated major vein e.g. femoral, popliteal, vena cava, axillary, sub-clavian, brachial or microscopic repair of digital vein..... | 6  | 396.95  | 7  |
| # R818 | - including patch .....   | 10 | 596.70  | 10 |
| # R819 | - by vein graft.....  | 10 | 793.55  | 10 |
| # R835 | S.V.C. bypass graft .....   | 7  | 758.40  | 17 |
| # R836 | Pulmonary embolectomy .....   | 18 | 866.55  | 20 |
| # R828 | Ilio-femoral thrombectomy <i>with or without</i> femoral vein ligation  | 10 | 446.50  | 10 |
| # E657 | - plus I.V.C. ligation .....add   |    | 446.50  |    |
| # R829 | Thrombectomy, other than above .....  | 7  | 302.80  | 10 |
| # R865 | Distal spleno-renal shunt .....   | 10 | 1259.55 | 10 |

### ANASTOMOSIS

|        |                   |    |        |    |
|--------|-------------------|----|--------|----|
| # R822 | Porto-caval ..... | 10 | 919.10 | 10 |
|--------|-------------------|----|--------|----|

#### Spleno-renal

|        |  |    |         |    |
|--------|--|----|---------|----|
| # R823 | - abdominal approach.....                  | 10 | 1117.90 | 10 |
| # R821 | - transthoracic approach.....              | 10 | 1117.90 | 13 |
| # R824 | Meso-caval .....                           | 10 | 866.55  | 10 |
| # R827 | Creation of A.V. fistula .....             | 6  | 490.15  | 7  |
| # R841 | Obliteration of A.V. fistula.....          |    | 82.55   | 7  |
| # R833 | Ligation or removal of by-pass graft ..... |    | 82.55   | 6  |