

CARDIOVASCULAR SURGICAL PROCEDURES

PREAMBLE

1. Unless otherwise stated, excision or repair procedures for arteries and veins include endarterectomy, thrombectomy and/or bypass graft.
2. Excision or repair procedures for arteries and veins include harvest of graft tissue, except where harvest of graft tissue is explicitly excluded from the procedure. Where harvest of graft tissue is included as a specific element of the procedure, the harvest is an insured service payable at nil.

CARDIOVASCULAR SURGICAL PROCEDURES

HEART AND PERICARDIUM

Asst Surg Anaes

Note:

Preliminary diagnostic catheterization - extra to operative fees (see Diagnostic and Therapeutic Procedures). The basic anaesthetic fee of 28 units or more for major cardiovascular surgery includes such procedures as insertion of C.V.P. line (G268), arterial line, blood sampling, blood analysis and interpretations.

# R700	With hypothermia and without bypass - basic fee for cardiovascular procedures	-	25
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Note:

R700 replaces procedural basic code when hypothermia is used where basic is less than 25 units.

# Z759	Removal of failed vascular graft without arterial reconstruction - when sole procedure	189.55	6
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# E655	- re-operation for failed vascular grafts - for repair or replacement of existing prosthesis (more than one month after original operation) add	348.70	
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Pump bypass

# E650	- includes cannulating and decannulating heart or major vein, major artery, supervision of pump and pump run. add	366.50	28
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# E682	- axillary artery graft for cardiopulmonary bypass, to E650 add	423.85	
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Note:

Anaesthesiologist - see General Preamble GP58 to GP62.

Circulatory assist device e.g. intra-aortic balloon

# Z743	- open	307.80	6
# Z780	- percutaneous	219.80	6

Note:

Includes cannulation, repair of artery, daily care and supervision.

Decannulation of circulatory assist device

# Z744	- open	123.05	6
# Z781	- percutaneous	39.00	

Note:

1. Includes repair of artery.
2. R815 not to be claimed in addition to Z744.

Repositioning of intra-aortic balloon pump

# Z751	- open	127.95	6
# Z782	- percutaneous	82.55	

Note:

No claim to be made for repositioning within 24 hrs of original insertion.

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HEART AND PERICARDIUM

Asst Surg Anae

Re-operation involving open heart procedures with pump

# E670	- following previous thoracotomy	add	224.70	
# E671	- following previous sternotomy	add	337.00	

Note:

More than one month after original operation.

Cardiac massage

# R765	- open		13 231.30	13
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Note:

For closed massage - see Critical Care - Diagnostic and Therapeutic Procedures.

# Z433	Replacement of pacemaker pack (single or multiple leads) . . .		146.45	6
# Z444	Insertion of permanent endocardial electrode and implantation of pack, includes insertion of temporary transvenous lead at same surgical procedure by same surgeon	6	323.75	6
# Z445	Repositioning of permanent endocardial electrode (as separate procedure)		323.75	6
# Z435	Insertion of permanent endocardial electrode(s)		154.10	
# Z436	Exposure of vein and implantation of pack		166.55	6
# R752	Atrio-ventricular sequential pacemaker with permanent atrial and ventricular endocardial electrodes	6	454.55	6
# R751	Implantation of epicardial electrode(s) plus implantation of pack	6	465.00	20
# Z429	Implantation of coronary sinus lead for biventricular pacing . . .	6	299.25	8

Implantation of ventricular assist device

# R701	- uni-ventricular	18	721.60	28
# R702	- bi-ventricular	18	1334.80	28
# Z412	Replacement or repair of pacemaker lead	6	110.75	6
# Z428	Pacemaker lead extraction, including the use of extraction sheathes, with or without laser or similar technology	10	598.50	7
# E628	- each additional lead extraction	add	194.50	

Implantation of cardioverter (CD) defibrillator

# R753	- by thoracotomy	6	720.30	20
# R761	- by transvenous approach	6	587.35	8

Note:

Induction of ventricular arrhythmia at time of CD implant payable at 85%. See note re: G259 in Diagnostic and Therapeutic Procedures.

# Z415	Removal and/or replacement of implantable cardioverter defibrillator	6	339.45	6
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CARDIOVASCULAR SURGICAL PROCEDURES

HEART AND PERICARDIUM

	Asst	Surg	Anae
Thoracotomy			
# M137 - with or without biopsy	9	390.65	13
# M134 - for post-operative haemorrhage	9	390.65	13
# Z401 Aspiration of pericardium		131.70	
# Z414 Injection of pericardial sclerosing agents		23.10	
# R750 Open biopsy of pericardium and drainage (transthoracic or epigastric)	13	317.85	13
Pericardiectomy			
# R748 - one side open	13	635.45	20
# R749 - both sides open or sternal split	13	1001.40	20
Cardiotomy			
# R712 - with exploration	18	525.75	20
# R713 - with removal of foreign body	18	635.45	20
# R714 - with removal of tumour	18	525.75	20
# E660 - epicardial E.P.S. mapping add		185.15	
# E661 - endocardial E.P.S. mapping add		185.15	
# E658 - HIS Bundle ablation add		278.10	
# R711 Division of accessory conduction pathway (to include cardiotomy, mapping with or without HIS bundle)		741.55	20
# R709 Atrial ablative procedure for surgical treatment of atrial arrhythmia (either Cox-Maze procedure or performed using an energy source)	18	741.55	20
# R710 Resection/ablation for ventricular tachycardia (to include cardiotomy, mapping with or without HIS bundle)		1112.15	20
EXCISION			
# R920 Ventricular tumour	18	712.15	28
# R746 Ventricular aneurysm	18	864.50	28
# R747 Aneurysm of sinus of Valsalva	18	783.55	28
# E648 - excision of extensive endocardial scar, to ventriculotomy or aneurysm repair add		135.80	
# R741 Coronary artery endarterectomy and/or gas endarterectomy	18	730.70	20
# E651 - when done in conjunction with coronary artery repair add		202.05	

Note:

R741, E651 - for multiple or complex procedures, assessment by the Medical Consultant is available and may be requested.

CARDIOVASCULAR SURGICAL PROCEDURES

HEART AND PERICARDIUM

Asst Surg Anae

Coronary artery repair

# R742	- one	18	895.55	20
# R743	- two	18	1202.45	20
# E654	- each additional		187.70	
# E645	- off pump coronary artery bypass grafting, to R742 or R743	24	366.50	40

Note:

1. For the anaesthiologist, when off-pump coronary artery bypass grafting is rendered, submit claim using E645C with 40 basic units plus time units, instead of R742C or R743C. See General Preamble GP62.
2. For the surgical assistant, when off-pump coronary artery bypass grafting is rendered, submit claim using E645B with 24 basic units plus time units, instead of R742B or R743B.
3. Where a single segment of vein is used for more than 2 anastomoses, the second and subsequent anastomoses are to be claimed at 50% of the E654 fee.

# E652	- use of internal mammary or epigastric or radial artery for construction of bypass graft		183.00	
# E646	- vein patch angioplasty of coronary artery		187.80	

Interruption of bronchial collateral arteries (one or more arteries)

# R857	- as sole procedure	13	730.70	20
# E663	- when done in conjunction with other cardiac surgery		183.00	

Ligation or division patent ductus

# R754	- infant or child	13	525.75	20
# R755	- adolescent or adult	13	730.70	20

Resection coarctation

# R757	- infant	13	785.90	20
# R756	- child	13	755.80	20
# R758	- adolescent or adult	13	967.10	20
# R759	Congenital heart procedures - e.g. Blalock, Glenn, Potts, Waterston or Central	13	755.80	20

Creation of ASD

# R763	- by balloon septostomy	9	317.85	9
# R762	- by thoracotomy or Sterling Edwards	18	755.80	20

Closure of atrial septal defect

# R715	- secundum	18	755.80	20
# R716	- endocardial cushion and valve defect	18	1124.70	20
# R717	- with anomalous pulmonary venous drainage	18	948.75	28
# R718	Closure of ventricular septal defect	18	948.75	28

Note:

R718 should be claimed only once regardless of the number of defects repaired by one patch.

CARDIOVASCULAR SURGICAL PROCEDURES

HEART AND PERICARDIUM

Asst Surg Anae

Percutaneous transluminal catheter assisted closure for Secundum arterial septal defect

Z465	- device closure of a single defect	198.55
Z466	- device closure of two or more defects	347.45

Note:

A maximum of 2 services of either Z465 or Z467 are eligible for payment if the services are rendered by 2 different physicians, same patient same day.

# R870	Orthotopic cardiac transplantation	18	1443.05	28
# R872	Donor cardiectomy	7	481.40	8
# R874	Cardiopulmonary transplantation	18	2534.25	28
# M157	Donor Heart - Lung removal	8	906.45	8

REPAIR

# R720	Total repair Tetralogy of Fallot - with or without previous arterial shunt	18	1261.80	28
# R722	Total anomalous pulmonary venous drainage	18	1124.70	28
# R723	Total correction transposition of great vessels	18	1124.70	28
# R721	Arterial repair of transposition	18	1687.50	28
# R921	Complete A-V canal	18	1480.40	28
# R922	Single ventricle	18	1687.50	28
# R923	Double outlet - right/left ventricle	18	1480.40	28
# R924	Double outlet ventricle with transposition	18	1687.50	28
# R925	Truncus arteriosus	18	1687.50	28
# R926	Interrupted aortic arch	18	1480.40	28
# R927	Aorto-pulmonary window	18	948.75	28
# R928	R-V outflow tract with valve and tubular graft	18	1064.55	28
# R929	Debanding arterioplasty of pulmonary artery	18	943.45	28
# R768	Pulmonary artery banding	13	628.95	20
# R769	- with pressure studies by anaesthetist, extra/hour		-	6
# R770	Correction of cor triatriatum	18	864.40	20
# R771	Vascular ring	18	755.80	20

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VALVES

	Asst	Surg	Anae
# R724 Pulmonary valvotomy	18	663.10	28
# R725 Pulmonary valvotomy and infundibular resection.	18	758.80	28
# R772 Pulmonary valve replacement	18	758.80	28
# R726 Tricuspid valvotomy	18	778.25	20
# R727 Tricuspid annuloplasty	18	662.55	20
# R728 Tricuspid valve replacement	18	758.80	28
# R729 Mitral valvotomy	18	717.25	20
# R730 Mitral valvotomy - restenosis	18	798.80	20
# R734 Mitral annuloplasty	18	770.70	20
# R735 Mitral replacement	18	933.55	28
# R733 Mitral valvoplasty	18	963.40	28

Mitral valve reconstruction

# R773 - simple (includes annuloplasty)	18	1618.50	28
# R774 - complex (includes annuloplasty and repair of both the anterior and posterior leaflets)	18	2021.05	28
# R930 Aortic valvoplasty	18	837.70	28
# R736 Aortic valvotomy	18	707.85	20
# R737 Aortic infundibular resection (ventriculomyotomy)	18	869.70	28
# R738 Aortic valve replacement	18	1010.55	28
# E647 - patch aortoplasty with pericardium or graft, to R738 and/or aortic annuloplasty add		264.70	
# E656 - aortic annuloplasty (reconstruction and enlargement of aorticannulus), to R738 and/or patch aortoplasty add		288.85	
# R863 Replacement of aortic valve, replacement of ascending aorta, and reimplantation of coronary arteries (Modified Bentall)	18	2021.05	28
# R876 Valve sparing aortic root replacement or remodelling	18	2021.05	28

Note:

Multivalvular replacement - the fee will be that for the major valve replaced plus 85% of the fee for the additional valve or valves.

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ARTERIES

	Asst	Surg	Anae
Cannulation for infusion chemotherapy			
# R775 - superficial temporal artery	6	95.80	6
# R776 - hepatic artery	6	212.15	6
# 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
INCISION			
# Z402 Arteriotomy		117.30	6
Note: Z402 not allowed in addition to other major cardiovascular surgery.			
REPAIR			
Traumatic			
# 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	498.65	10
# R862 - by bypass or interposition graft.	10	662.15	10
LIGATION			
# 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	6
# R708 Internal iliac artery (unilateral or bilateral)	7	409.55	10

CARDIOVASCULAR SURGICAL PROCEDURES

ARTERIES

Asst | Surg | Anae

EXCISION AND/OR REPAIR

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.
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- | | | |
|--------|---|--------|
| # 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 |

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 1(b)].

CARDIOVASCULAR SURGICAL PROCEDURES

ARTERIES

	Asst	Surg	Anae
# R875 Endovascular aneurysm repair using stent grafting	10	1330.40	17
Note: This service includes insertion of all catheters including access catheters, interpretation of any images which may be taken at the time of the procedures and all variations of a single stent graft.			
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	527.75	10
Carotid			
# R792 - endarterectomy	10	764.55	10
# 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	867.35	10
# R831 - subclavian	10	867.35	10
# R832 - vertebral	10	867.35	10
# E659 - with thoracotomy add	6	169.00	7
# E667 - ruptured add		266.60	3
Thoracic aorta aneurysm - repair or excision with graft			
# R799 - ascending	10	1455.30	20
# R800 - arch	10	1807.10	20
# R801 - descending with or without temporary shunt	10	1260.30	20
# E667 - ruptured add		266.60	3
# R803 Thoraco-abdominal aneurysm	18	2444.50	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 (excluding endovascular aneurysm repair using stent graft)			
# R802 - aneurysm repair alone or including unilateral common femoral repair	10	1297.10	17
# R817 - aneurysm repair and bilateral common femoral repair	10	1408.70	17
# R877 - aneurysm with repair of iliac artery aneurysm (unilateral or bilateral)	10	2002.75	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	3

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ARTERIES

		Asst	Surg	Anae
Mesenteric or celiac artery repair				
# R811	- aneurysm	10	410.85	10
# R935	- removal of band only	10	410.85	10
# R936	- endarterectomy or graft	10	954.10	10
Note:				
Use R935 for excision of celiac ganglion.				
# R940	Pulmonary thromboendarterectomy (PTE) - includes circulatory arrest with hypothermia	18	2021.05	28
Aorto-iliac repair				
# R783	- including common iliac repair (uni- or bilateral).	10	1012.00	17
# R784	- plus unilateral common femoral repair	10	1187.15	17
# R785	- plus bilateral common femoral repair	10	1314.25	17
# E626	- plus implantation of inferior mesenteric artery. add		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. add		127.05	
# R859	Partial removal of infected aortic graft (one limb only)*	10	344.00	10
Note:				
* 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
Per-obturator ilio-femoral graft				
# R860	- with saphenous vein.	10	898.55	10
# R861	- with prosthetic graft.	10	876.85	10
Profundoplasty				
# R855	Common femoral/profunda femoris repair - as sole procedure .	10	559.20	10
# R856	Extended profundoplasty.	10	779.80	10
# R933	Axillo-femoral, femoro-femoral or axillo-axillary graft.	10	656.55	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		55.00	6
Note:				
J202/J502 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
Femoro-popliteal			
# R791 - with saphenous vein	10	857.35	10
# E672 - composite femoral popliteal/tibial bypass (vein PFPE, dacron) add		133.40	
# R794 - with prosthetic graft.	10	733.15	10
Femoro-anterior/posterial tibial/peroneal bypass graft			
# R787 - with saphenous vein	10	1006.75	10
# E672 - composite femoral popliteal/tibial bypass (vein PFPE, 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
In-situ saphenous vein arterial bypass			
# R797 - popliteal	10	1285.40	17
# R804 - tibial	10	1490.25	17

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

LIGATION

# Z745	Saphenous		53.20	6
# Z746	Femoral	6	74.25	6
# Z747	Popliteal	6	74.25	6
# Z748	Internal jugular	6	148.60	6
# R839	Internal iliac	6	394.85	10
# R834	I.V.C. - transabdominal	6	446.50	10
# R838	I.V.C. - transvenous (umbrella)	6	303.00	10
# R868	High ligation and stripping of long saphenous vein with groin dissection	6	148.60	6
# R869	Stripping of short saphenous vein with popliteal dissection	6	107.50	6
# R837	Multiple ligation and avulsion	6	148.60	6
# R844	Recurrent varicose veins - multiple ligation and/or stripping	6	353.80	6
# R842	Extra fascial and sub-fascial incompetent perforators by full fascial technique	6	384.75	6
# E653	- plus stripping add		127.15	

CARDIOVASCULAR SURGICAL PROCEDURES

VEINS

Asst | Surg | Anae

REPAIR

# R820	Lacerated major vein e.g. femoral, popliteal, vena cava, axillary, sub-clavian, brachial or microscopic repair of digital vein.	6	317.55	6
# R818	- including patch	10	497.25	10
# R819	- by vein graft	10	661.30	10
# R835	S.V.C. bypass graft	7	758.40	17
# R836	Pulmonary embolectomy	18	866.55	20
# R828	Ilio-femoral thrombectomy with or without 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
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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	440.00	6
# R841	Obliteration of A.V. fistula		82.55	6
# R833	Ligation or removal of by-pass graft		82.55	6