

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

Anae

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 (G269), arterial line (G268), 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	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 GP62 to GP65.

Extracorporeal Membrane Oxygenator (ECMO)

# Z788	- includes cannulating and decannulating, by any method, heart, vein and/or artery and repair of vessels if rendered	366.50	6
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Circulatory assist device e.g. intra-aortic balloon

# Z743	- open	307.80	7
# Z780	- percutaneous	219.80	7

Note:

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

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HEART AND PERICARDIUM

		Asst	Surg	Anae
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.				
Re-operation involving open heart procedures with pump				
# E670	- following previous thoracotomy		224.70	
# E671	- following previous sternotomy		337.00	
Note:				
More than one <i>month</i> after original operation.				
Cardiac massage				
# R765	- open	13	231.30	13
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

CARDIOVASCULAR SURGICAL PROCEDURES

HEART AND PERICARDIUM

	Asst	Surg	Anae
Ventricular assist devices			
# R701 - uni-ventricular	18	721.60	28
# R702 - bi-ventricular	18	1334.80	28
# R703 - paracorporeal	18	1443.05	28
# R704 - implantable	18	2163.35	28
# R705 - removal of ventricular assist device	18	508.55	20

Payment rules:

1. R701 or R702 are eligible for payment only for paracorporeal devices inserted for less than 14 days.
2. Despite payment rule #1, R701 is also eligible for payment in addition to R703 or R704 when a right ventricular assist device is inserted to support a left ventricular assist device, regardless of the duration of insertion of the right ventricular assist device.
3. R703 is eligible for payment only for paracorporeal devices inserted for 14 or more *days*.
4. R705 is *only eligible for payment* for removal of paracorporeal or implantable ventricular assist devices inserted for 14 or more days.
5. R705 includes repair of vessels when rendered.
6. Z744 (decannulation of circulatory assist device) is eligible for payment for removal of paracorporeal or implantable ventricular assist devices inserted for less than 14 days.
7. Only one of Z744 or R705 is eligible for payment per patient per *day* for removal of ventricular assist devices.
8. Extracorporeal membrane oxygenator procedures do not constitute R701, R702, R703 or R704.

[Commentary:

1. Extracorporeal membrane oxygenator procedures are eligible for payment as Z788.
2. Z744 or R705 are eligible for payment when rendered with cardiac transplantation.
3. If a ventricular assist device is replaced, both the appropriate removal and insertion fee codes are eligible for payment.]

Claims submission instructions:

Submit claims for R703 and R705 only after the device has been inserted for 14 or more days.

# Z412 Replacement or repair of pacemaker lead	6	110.75	7
# 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	7
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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		185.15	
# E658 - HIS Bundle ablation..... add		278.10	
# R711 Division of accessory conduction pathway (to include cardiotomy, mapping with or without HIS bundle)	nil	741.55	20
# R709 Left atrial ablative procedure for surgical treatment of atrial arrhythmia (either Cox-Maze procedure or performed using an energy source).....	18	778.65	20
Note: R709 includes all left atrial ablation sites, internal exclusion or external excision of the left atrial appendage, and the ablation procedure involving the pulmonary veins.			
# R706 Right and left atrial ablative procedure for treatment of atrial arrhythmia - surgical procedure or performed with an energy source.....	18	1245.85	20
Note: R706 includes all the required elements of R709 and also includes the ablation procedure involving any endocardial and epicardial right atrial ablation lines.			
[Commentary: Examples of energy sources used for ablation <i>may include</i> cryoablation, microwave, or radiofrequency (unipolar or bipolar) ablation.]			
# 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		135.80	
# R741 Coronary artery endarterectomy and/or gas endarterectomy.....	18	730.70	20
# E651 - when done in conjunction with coronary artery repair		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	1255.00	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 anaesthesiologist, 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 GP65.			
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, to R742 or R743		186.70	
# 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.			
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 Z466 are <i>eligible for payment</i> if the services are rendered by 2 different physicians, same patient same <i>day</i> .			
# 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

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HEART AND PERICARDIUM

		Asst	Surg	Anae
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	948.70	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	1036.50	28
# E647	- patch aortoplasty with pericardium or graft, to R738 and/or aortic annuloplasty		264.70	
# E656	- aortic annuloplasty (reconstruction and enlargement of aortic annulus), to R738 and/or patch aortoplasty		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.

CARDIOVASCULAR SURGICAL PROCEDURES

ARTERIES

	Asst	Surg	Anae
Cannulation for infusion chemotherapy			
# 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
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	598.40	10
# R862 - by bypass or interposition graft.....	10	834.30	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	7
# R708 Internal iliac artery (unilateral or bilateral).....	7	409.55	10

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

# 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 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..... add		400.00	
# E510	- for branched or fenestrated devices, to R875 add		838.15	
# E509	- conduit to aorta or common iliac artery, to R875 add		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 <i>not eligible for payment</i> for branched or fenestrated devices to the common iliac artery(s).				
3. E510 is <i>not eligible for payment</i> 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 Q11.]				
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..... add		419.00	
Note:				
R815 is <i>not eligible for payment</i> 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..... add	6	169.00	
# E667	- ruptured..... add		266.60	

CARDIOVASCULAR SURGICAL PROCEDURES

ARTERIES

		Asst	Surg	Anae
Thoracic aorta aneurysm - repair or excision with graft				
# R799	- ascending.....	18	1455.30	20
# R800	- arch.....	18	1807.10	20
# R801	- descending with or without temporary shunt.....	10	1260.30	20
# E667	- ruptured add		266.60	
# R803	Thoraco-abdominal aneurysm	18	2566.70	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	1500.00	17
# R817	- aneurysm repair and bilateral common femoral repair.....	10	2202.00	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		400.00	

[Commentary:

For endovascular aneurysm repair, see page Q10.]

CARDIOVASCULAR SURGICAL PROCEDURES

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	2002.00	17
# R784 - plus unilateral common femoral repair	10	2102.00	17
# R785 - plus bilateral common femoral repair	10	2202.00	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		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	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
Note: 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/ tibial arterial occlusive disease	10	759.60	10
# R879	Subintimal dissection for recanalization of iliac/aorta arterial occlusive disease	10	759.60	10
# E815	- angioplasty remote from subintimal dissection site, to 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 <i>not eligible for payment</i> same patient same day as R809, R791, R794, R787, R780 or R797.				
2. R879 is <i>not eligible for payment</i> 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 <i>not eligible for payment</i> 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	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/posterior 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 <i>with or without</i> 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	1414.15	17
# R804	- tibial	10	1643.00	17

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. Lipodermatosclerosis;
 - 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
# 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 J31 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
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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	7
# R841	Obliteration of A.V. fistula		82.55	7
# R833	Ligation or removal of by-pass graft		82.55	6