

2024 Vascular Surgery: Is the Surgery Medicare Inpatient Only or not?

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xxxxx	Yellow = New CPT/HCPCS Code for CY 2024	xxxxx	Green = Active CPT/HCPCS changed from "IP only" to "not IP only" on 1/1/2023 and under status denial exemption until 1/1/2025
xxxxx	Blue = Active CPT/HCPCS changed from "not IP only" to "IP only" as of 1/1/2024	xxxxx	Orange = Active CPT/HCPCS changed from "IP only" to "not IP only" on 1/1/2024 and under status denial exemption until 1/1/2026

Note: For Intracranial Vascular Procedures, See Neurosurgery List

Head and Neck

Inpatient Only Procedure		Not an Inpatient Only Procedure	
0075T	Transcatheter placement of extracranial vertebral or intrathoracic carotid artery stent(s), including radiologic supervision and interpretation, percutaneous; initial vessel		
0076T	Transcatheter placement of extracranial vertebral or intrathoracic carotid artery stent(s), including radiologic supervision and interpretation, percutaneous; each additional vessel (List separately in addition to code for primary procedure)	33370	Transcatheter placement and subsequent removal of cerebral embolic protection device(s), including arterial access, catheterization, imaging, and radiological supervision and interpretation, percutaneous
34001	Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision	34471	Thrombectomy, direct or with catheter; subclavian vein, by neck incision
35001	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision		
35002	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, carotid, subclavian artery, by neck incision		
35005	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery		
		35180	Repair, congenital arteriovenous fistula; head and neck
		35188	Repair, acquired or traumatic arteriovenous fistula; head and neck
35301	Thromboendarterectomy, including patch graft, if performed; carotid, vertebral, subclavian, by neck incision	35201	Repair blood vessel, direct; neck
35390	Reoperation, carotid, thromboendarterectomy, more than 1 month after original operation (List separately in addition to code for primary procedure)	35231	Repair blood vessel with vein graft; neck
35701	Exploration (not followed by surgical repair), with or without lysis of artery; carotid artery	35261	Repair blood vessel with graft other than vein; neck
35800	Exploration for postoperative hemorrhage, thrombosis or infection; neck		
35901	Excision of infected graft; neck		
37215	Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; with distal embolic protection	36221-36228	Selective or non-selective catheter placement, thoracic aorta, common carotid, innominate artery, subclavian artery, vertebral artery, external carotid artery with angiography, includes angiography of the cervicocerebral arch, when performed; codes 36221, 36222, 36223, 36224, 36225, 36226, 36227, 36228
37218	Transcatheter placement of intravascular stent(s), intrathoracic common carotid artery or innominate artery, open or percutaneous antegrade approach,	37195	Thrombolysis, cerebral, by intravenous infusion

	including angioplasty, when performed, and radiological supervision and interpretation		
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Chest

Inpatient Only Procedure		Not an Inpatient Only Procedure	
0075T	Transcatheter placement of extracranial vertebral or intrathoracic carotid artery stent(s), including radiologic supervision and interpretation, percutaneous; initial vessel	0632T	Percutaneous transcatheter ultrasound ablation of nerves innervating the pulmonary arteries, including right heart catheterization, pulmonary artery angiography, and all imaging guidance
0076T	Transcatheter placement of extracranial vertebral or intrathoracic carotid artery stent(s), including radiologic supervision and interpretation, percutaneous; each additional vessel (List separately in addition to code for primary procedure)		
33750-33768	Shunt; major chest vessels: codes 33750, 33755, 33762, 33764, 33766, 33767, 33768		
33770-33920	Repair of major congenital heart and arterial defects; codes 33770, 33771, 33774, 33775, 33776, 33777, 33778, 33779, 33780, 33781, 33782, 33783, 33786, 33788, 33802, 33803, 33813, 33814, 33820, 33822, 33824, 33840, 33845, 33851, 33852, 33853, 33917, 33920		
33800	Aortic suspension (aortopexy) for tracheal decompression (eg, for tracheomalacia) (separate procedure)		
33858	Ascending aorta graft, with cardiopulmonary bypass, includes valve suspension, when performed; for aortic dissection		
33859	Ascending aorta graft, with cardiopulmonary bypass, includes valve suspension, when performed; for aortic disease other than dissection (eg, aneurysm)		
33863	Ascending aorta graft, with cardiopulmonary bypass, with aortic root replacement using valved conduit and coronary reconstruction (eg, Bentall)		
33864	Ascending aorta graft, with cardiopulmonary bypass with valve suspension, with coronary reconstruction and valve-sparing aortic root remodeling (eg, David Procedure, Yacoub Procedure)	33866	Aortic hemiarch graft including isolation and control of the arch vessels, beveled open distal aortic anastomosis extending under one or more of the arch vessels, and total circulatory arrest or isolated cerebral perfusion (List separately in addition to code for primary procedure)
33871	Transverse aortic arch graft, with cardiopulmonary bypass, with profound hypothermia, total circulatory arrest and isolated cerebral perfusion with reimplantation of arch vessel(s) (eg, island pedicle or individual arch vessel reimplantation)		
33875	Descending thoracic aorta graft, with or without bypass		
33877	Repair of thoracoabdominal aortic aneurysm with graft, with or without cardiopulmonary bypass		
33880-33891	Endovascular repair of descending thoracic aorta (eg, aneurysm, pseudoaneurysm, dissection, penetrating ulcer, intramural hematoma, or traumatic disruption); codes 33880, 33881, 33883, 33884, 33886, 33889, 33891		
33894	Endovascular stent repair of coarctation of the ascending, transverse, or descending thoracic or abdominal aorta, involving stent placement; across major side branches		
33895	Endovascular stent repair of coarctation of the ascending, transverse, or descending thoracic or abdominal aorta, involving stent placement; not crossing major side branches		
33897	Percutaneous transluminal angioplasty of native or recurrent coarctation of the aorta	33900-33903	Percutaneous pulmonary artery revascularization by stent placement, initial; normal native or abnormal connections, unilateral or bilateral; codes 33900, 33901, 33902, 33903
33910-33915	Pulmonary artery embolectomy; codes 33910, 33915	33904	Percutaneous pulmonary artery revascularization by stent placement, each additional vessel or separate lesion, normal or abnormal connections (List separately in addition to code for primary procedure)
33916	Pulmonary endarterectomy, with or without embolectomy, with cardiopulmonary bypass		

33922	Transection of pulmonary artery with cardiopulmonary bypass		
33924	Ligation and takedown of a systemic-to-pulmonary artery shunt, performed in conjunction with a congenital heart procedure (List separately in addition to code for primary procedure)		
33925	Repair of pulmonary artery arborization anomalies by unifocalization; without cardiopulmonary bypass		
33926	Repair of pulmonary artery arborization anomalies by unifocalization; with cardiopulmonary bypass		
34051	Embolectomy or thrombectomy, with or without catheter; innominate, subclavian artery, by thoracic incision		
35021	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, innominate, subclavian artery, by thoracic incision		
35022	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, innominate, subclavian artery, by thoracic incision		
35182	Repair, congenital arteriovenous fistula; thorax and abdomen		
35189	Repair, acquired or traumatic arteriovenous fistula; thorax and abdomen		
35211	Repair blood vessel, direct; intrathoracic, with bypass		
35216	Repair blood vessel, direct; intrathoracic, without bypass		
35241	Repair blood vessel with vein graft; intrathoracic, with bypass		
35246	Repair blood vessel with vein graft; intrathoracic, without bypass		
35271	Repair blood vessel with graft other than vein; intrathoracic, with bypass		
35276	Repair blood vessel with graft other than vein; intrathoracic, without bypass		
35311	Thromboendarterectomy, including patch graft, if performed; subclavian, innominate, by thoracic incision	0237T	Transluminal peripheral atherectomy, open or percutaneous, including radiological supervision and interpretation; brachiocephalic trunk and branches, each vessel
35820	Exploration for postoperative hemorrhage, thrombosis or infection; chest		
35905	Excision of infected graft; thorax		

Abdomen/Pelvis

Inpatient Only Procedure		Not an Inpatient Only Procedure	
33894	Endovascular stent repair of coarctation of the ascending, transverse, or descending thoracic or abdominal aorta, involving stent placement; across major side branches		
33895	Endovascular stent repair of coarctation of the ascending, transverse, or descending thoracic or abdominal aorta, involving stent placement; not crossing major side branches		
33897	Percutaneous transluminal angioplasty of native or recurrent coarctation of the aorta		
34151	Embolectomy or thrombectomy, with or without catheter; renal, celiac, mesentery, aortoiliac artery, by abdominal incision		
34401	Thrombectomy, direct or with catheter; vena cava, iliac vein, by abdominal incision		
34451	Thrombectomy, direct or with catheter; vena cava, iliac, femoropopliteal vein, by abdominal and leg incision		
34502	Reconstruction of vena cava, any method		
34701	Endovascular repair of infrarenal aorta by deployment of an aorto-aortic tube endograft including preprocedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all		

	endograft extension(s) placed in the aorta from the level of the renal arteries to the aortic bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the aortic bifurcation; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer)		
34702	Endovascular repair of infrarenal aorta by deployment of an aorto-aortic tube endograft including preprocedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the aortic bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the aortic bifurcation; for rupture including temporary aortic and/or iliac balloon occlusion, when performed (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer, traumatic disruption)		
34703	Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-uni-iliac endograft including preprocedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer)		
34704	Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-uni-iliac endograft including preprocedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for rupture including temporary aortic and/or iliac balloon occlusion, when performed (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer, traumatic disruption)		
34705	Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-bi-iliac endograft including preprocedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer)		
34706	Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-bi-iliac endograft including preprocedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for rupture including temporary aortic and/or iliac balloon occlusion, when performed (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer, traumatic disruption)		
34707	Endovascular repair of iliac artery by deployment of an ilio-iliac tube endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and all endograft extension(s) proximally to the aortic bifurcation and distally to the iliac bifurcation, and treatment zone angioplasty/stenting, when performed, unilateral; for		

	other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, arteriovenous malformation)		
34708	Endovascular repair of iliac artery by deployment of an ilio-iliac tube endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and all endograft extension(s) proximally to the aortic bifurcation and distally to the iliac bifurcation, and treatment zone angioplasty/stenting, when performed, unilateral; for rupture including temporary aortic and/or iliac balloon occlusion, when performed (eg, for aneurysm, pseudoaneurysm, dissection, arteriovenous malformation, traumatic disruption)		
34709	Placement of extension prosthesis(es) distal to the common iliac artery(ies) or proximal to the renal artery(ies) for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, dissection, penetrating ulcer, including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and treatment zone angioplasty/stenting, when performed, per vessel treated (List separately in addition to code for primary procedure)		
34710	Delayed placement of distal or proximal extension prosthesis for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, dissection, endoleak, or endograft migration, including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and treatment zone angioplasty/stenting, when performed; initial vessel treated		
34711	Delayed placement of distal or proximal extension prosthesis for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, dissection, endoleak, or endograft migration, including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and treatment zone angioplasty/stenting, when performed; each additional vessel treated (List separately in addition to code for primary procedure)		
34712	Transcatheter delivery of enhanced fixation device(s) to the endograft (eg, anchor, screw, tack) and all associated radiological supervision and interpretation		
34717	Endovascular repair of iliac artery at the time of aorto-iliac artery endograft placement by deployment of an iliac branched endograft including pre-procedure sizing and device selection, all ipsilateral selective iliac artery catheterization(s), all associated radiological supervision and interpretation, and all endograft extension(s) proximally to the aortic bifurcation and distally in the internal iliac, external iliac, and common femoral artery(ies), and treatment zone angioplasty/stenting, when performed, for rupture or other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, arteriovenous malformation, penetrating ulcer, traumatic disruption), unilateral (List separately in addition to code for primary procedure)		
34718	Endovascular repair of iliac artery, not associated with placement an aorto-iliac artery endograft at the same session, by deployment of an iliac branched endograft, include pre-procedure sizing and device selection, all ipsilateral selective iliac artery catheterization(s), all associated radiological supervision and interpretation, and all endograft extensions proximal to the aortic bifurcation and distally in the internal iliac, external iliac and common femoral artery(ies), and treatment zone angioplasty/stenting, when performed, for other than rupture (eg, for aneurysm, pseudoaneurysm,		

	dissection, arteriovenous malformation, penetrating ulcer), unilateral		
34808	Endovascular placement of iliac artery occlusion device (List separately in addition to code for primary procedure)		
34812	Open femoral artery exposure for delivery of endovascular prosthesis, by groin incision, unilateral		
34813	Placement of femoral-femoral prosthetic graft during endovascular aortic aneurysm repair (List separately in addition to code for primary procedure)		
34820	Open iliac artery exposure for delivery of endovascular prosthesis or iliac occlusion during endovascular therapy, by abdominal or retroperitoneal incision, unilateral		
34830-34832	Open repair of infrarenal aortic aneurysm or dissection, plus repair of associated arterial trauma, following unsuccessful endovascular repair; codes 34830, 34831, 34832		
34833	Open iliac artery exposure with creation of conduit for delivery of aortic or iliac endovascular prosthesis, by abdominal or retroperitoneal incision, unilateral		
34834	Open brachial artery exposure to assist in the deployment of aortic or iliac endovascular prosthesis by arm incision, unilateral	34839	Physician planning of a patient-specific fenestrated visceral aortic endograft requiring a minimum of 90 minutes of physician time
35082-35132	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm (ruptured or not), pseudoaneurysm, and associated occlusive disease, major abdominal or pelvic arteries; codes 35081, 35082, 35091, 35092, 35102, 35103, 35111, 35112, 35121, 35122, 35131, 35132		
35182	Repair, congenital arteriovenous fistula; thorax and abdomen		
35189	Repair, acquired or traumatic arteriovenous fistula; thorax and abdomen		
35221	Repair blood vessel, direct; intra-abdominal		
35251	Repair blood vessel with vein graft; intra-abdominal		
35281	Repair blood vessel with graft other than vein; intra-abdominal		
35331	Thromboendarterectomy, including patch graft, if performed; abdominal aorta		
35341	Thromboendarterectomy, including patch graft, if performed; mesenteric, celiac, or renal		
35351	Thromboendarterectomy, including patch graft, if performed; iliac		
35361	Thromboendarterectomy, including patch graft, if performed; combined aortoiliac		
35363	Thromboendarterectomy, including patch graft, if performed; combined aortoiliofemoral		
0235T	Transluminal peripheral atherectomy, open or percutaneous, including radiological supervision and interpretation; visceral artery (except renal), each vessel	0234T	Transluminal peripheral atherectomy, open or percutaneous, including radiological supervision and interpretation; renal artery
35840	Exploration for postoperative hemorrhage, thrombosis or infection; abdomen	0236T	Transluminal peripheral atherectomy, open or percutaneous, including radiological supervision and interpretation; abdominal aorta
35870	Repair of graft-enteric fistula		
35907	Excision of infected graft; abdomen	36251-36254	Selective or superselective catheter placement, main renal artery, second order or higher renal artery branches for renal angiography, unilateral or bilateral; codes 36251, 36252, 36253, 36254
37140	Venous anastomosis, open; portocaval		
37145	Venous anastomosis, open; renoportal		
37160	Venous anastomosis, open; caval-mesenteric		
37180	Venous anastomosis, open; splenorenal, proximal		
37181	Venous anastomosis, open; splenorenal, distal (selective decompression of esophagogastric varices, any technique)		
37182	Insertion of transvenous intrahepatic portosystemic shunt(s) (TIPS) (includes venous access, hepatic and portal vein catheterization, portography with hemodynamic evaluation, intrahepatic tract formation/dilatation, stent placement and all associated imaging guidance and documentation)	37183	Revision of transvenous intrahepatic portosystemic shunt(s) (TIPS) (includes venous access, hepatic and portal vein catheterization, portography with hemodynamic evaluation, intrahepatic tract recanalization/dilatation, stent placement and all associated imaging guidance and documentation)

		37220-37223	Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, with transluminal angioplasty or stent; codes 37220, 37221, 37222, 37223
		0238T	Transluminal peripheral atherectomy, open or percutaneous, including radiological supervision and interpretation; iliac artery, each vessel

Upper Extremity

Inpatient Only Procedure		Not an Inpatient Only Procedure	
35013	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, axillary-brachial artery, by arm incision	34101	Embolectomy or thrombectomy, with or without catheter; axillary, brachial, innominate, subclavian artery, by arm incision
		34111	Embolectomy or thrombectomy, with or without catheter; radial or ulnar artery, by arm incision
		34490	Thrombectomy, direct or with catheter; axillary and subclavian vein, by arm incision
		35011	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, axillary-brachial artery, by arm incision
		35045	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, radial or ulnar artery
		35184	Repair, congenital arteriovenous fistula; extremities
		35190	Repair, acquired or traumatic arteriovenous fistula; extremities
		35206	Repair blood vessel, direct; upper extremity
		35207	Repair blood vessel, direct; hand, finger
		35236	Repair blood vessel with vein graft; upper extremity
		35266	Repair blood vessel with graft other than vein; upper extremity
		35321	Thromboendarterectomy, including patch graft, if performed; axillary-brachial
35702	Exploration of artery not followed by surgical repair; upper extremity (eg, axillary, brachial, radial, ulnar)	35860	Exploration for postoperative hemorrhage, thrombosis or infection; extremity
		35875	Thrombectomy of arterial or venous graft (other than hemodialysis graft or fistula);
		35876	Thrombectomy of arterial or venous graft (other than hemodialysis graft or fistula); with revision of arterial or venous graft
		35903	Excision of infected graft; extremity

Lower Extremity

Inpatient Only Procedure		Not an Inpatient Only Procedure	
		0263T-0265T	Intramuscular autologous bone marrow cell therapy, with preparation of harvested cells, multiple injections, one leg, including ultrasound guidance, if performed; with or without unilateral or bilateral bone marrow harvest; codes 0263T, 0264T, 0265T
		0505T	Endovenous femoral-popliteal arterial revascularization, with transcatheter placement of intravascular stent graft(s) and closure by any method, including percutaneous or open vascular access, ultrasound guidance for vascular access when performed, all catheterization(s) and intraprocedural roadmapping and imaging guidance necessary to complete the intervention, all associated radiological supervision and interpretation, when performed, with crossing of the occlusive lesion in an extraluminal fashion
		0524T	Endovenous catheter directed chemical ablation with balloon isolation of incompetent extremity vein, open or percutaneous, including all vascular access,

			catheter manipulation, diagnostic imaging, imaging guidance and monitoring
		0620T	Endovascular venous arterialization, tibial or peroneal vein, with transcatheter placement of intravascular stent graft(s) and closure by any method, including percutaneous or open vascular access, ultrasound guidance for vascular access when performed, all catheterization(s) and intraprocedural roadmapping and imaging guidance necessary to complete the intervention, all associated radiological supervision and interpretation, when performed
		0744T	Insertion of bioprosthetic valve, open, femoral vein, including duplex ultrasound imaging guidance, when performed, including autogenous or nonautogenous patch graft (eg, polyester, ePTFE, bovine pericardium), when performed
		34201	Embolectomy or thrombectomy, with or without catheter; femoropopliteal, aortoiliac artery, by leg incision
		34203	Embolectomy or thrombectomy, with or without catheter; popliteal-tibio-peroneal artery, by leg incision
34451	Thrombectomy, direct or with catheter; vena cava, iliac, femoropopliteal vein, by abdominal and leg incision	34421	Thrombectomy, direct or with catheter; vena cava, iliac, femoropopliteal vein, by leg incision
		34501	Valvuloplasty, femoral vein
		34510	Venous valve transposition, any vein donor
		34520	Cross-over vein graft to venous system
		34530	Saphenopopliteal vein anastomosis
35141	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, common femoral artery (profunda femoris, superficial femoral)	35184	Repair, congenital arteriovenous fistula; extremities
35142	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, common femoral artery (profunda femoris, superficial femoral)	35190	Repair, acquired or traumatic arteriovenous fistula; extremities
35151	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, popliteal artery	35226	Repair blood vessel, direct; lower extremity
35152	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, popliteal artery	35256	Repair blood vessel with vein graft; lower extremity
35302	Thromboendarterectomy, including patch graft, if performed; superficial femoral artery	35286	Repair blood vessel with graft other than vein; lower extremity
35303	Thromboendarterectomy, including patch graft, if performed; popliteal artery		
35304	Thromboendarterectomy, including patch graft, if performed; tibioperoneal trunk artery	35761	Exploration (not followed by surgical repair), with or without lysis of artery; other vessels
35305	Thromboendarterectomy, including patch graft, if performed; tibial or peroneal artery, initial vessel	35860	Exploration for postoperative hemorrhage, thrombosis or infection; extremity
35306	Thromboendarterectomy, including patch graft, if performed; each additional tibial or peroneal artery (List separately in addition to code for primary procedure)	35875	Thrombectomy of arterial or venous graft (other than hemodialysis graft or fistula);
35355	Thromboendarterectomy, including patch graft, if performed; iliofemoral	35876	Thrombectomy of arterial or venous graft (other than hemodialysis graft or fistula); with revision of arterial or venous graft
35371	Thromboendarterectomy, including patch graft, if performed; common femoral	35879	Revision, lower extremity arterial bypass, without thrombectomy, open; with vein patch angioplasty
35372	Thromboendarterectomy, including patch graft, if performed; deep (profunda) femoral	35881	Revision, lower extremity arterial bypass, without thrombectomy, open; with segmental vein interposition
35703	Exploration of artery not followed by surgical repair; lower extremity (eg, common femoral, deep femoral, superficial femoral, popliteal, tibial, peroneal)	35883	Revision, femoral anastomosis of synthetic arterial bypass graft in groin, open; with nonautogenous patch graft (eg, Dacron, ePTFE, bovine pericardium)
		35884	Revision, femoral anastomosis of synthetic arterial bypass graft in groin, open; with autogenous vein patch graft
		35903	Excision of infected graft; extremity
		36473	Endovenous ablation therapy of incompetent vein, extremity, inclusive of all imaging guidance and

			monitoring, percutaneous, mechanochemical; first vein treated
		36474	Endovenous ablation therapy of incompetent vein, extremity, inclusive of all imaging guidance and monitoring, percutaneous, mechanochemical; subsequent vein(s) treated in a single extremity, each through separate access sites (List separately in addition to code for primary procedure)
		37224-37227	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal angioplasty or stent; codes 37224, 37225, 37226, 37227
		37228-37235	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, with transluminal angioplasty, atherectomy, or stent; codes 37228, 37229, 37230, 37231, 37232, 37233, 37234, 37235
		C9764	Revascularization, endovascular, open or percutaneous, lower extremity artery(ies), except tibial/peroneal; with intravascular lithotripsy, includes angioplasty within the same vessel(s), when performed
		C9765	Revascularization, endovascular, open or percutaneous, lower extremity artery(ies), except tibial/peroneal; with intravascular lithotripsy, and transluminal stent placement(s), includes angioplasty within the same vessel(s), when performed
		C9766	Revascularization, endovascular, open or percutaneous, lower extremity artery(ies), except tibial/peroneal; with intravascular lithotripsy and atherectomy, includes angioplasty within the same vessel(s), when performed
		C9767	Revascularization, endovascular, open or percutaneous, lower extremity artery(ies), except tibial/peroneal; with intravascular lithotripsy and transluminal stent placement(s), and atherectomy, includes angioplasty within the same vessel(s), when performed
		C9772	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery(ies), with intravascular lithotripsy, includes angioplasty within the same vessel (s), when performed
		C9773	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery(ies); with intravascular lithotripsy, and transluminal stent placement(s), includes angioplasty within the same vessel(s), when performed
		C9774	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery(ies); with intravascular lithotripsy and atherectomy, includes angioplasty within the same vessel (s), when performed
		C9775	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery(ies); with intravascular lithotripsy and transluminal stent placement(s), and atherectomy, includes angioplasty within the same vessel (s), when performed

Bypass Grafting

Inpatient Only Procedure		Not an Inpatient Only Procedure	
35501-35571	Arterial bypass graft, with vein; codes 35501, 35506, 35508, 35509, 35510, 35511, 35512, 35515, 35516, 35518, 35521, 35522, 35523, 35525, 35526, 35531, 35533, 35535, 35536, 35537, 35538, 35539, 35540, 35556, 35558, 35560, 35563, 35565, 35566, 35570, 35571	35500	Harvest of upper extremity vein, 1 segment, for lower extremity or coronary artery bypass procedure (List separately in addition to code for primary procedure)
35583-35587	In-situ vein bypass; leg; codes 35583, 35585, 35587	35685	Placement of vein patch or cuff at distal anastomosis of bypass graft, synthetic conduit (List separately in addition to code for primary procedure)
35600	Harvest of upper extremity artery, 1 segment, for coronary artery bypass procedure (List separately in addition to code for primary procedure)	35686	Creation of distal arteriovenous fistula during lower extremity bypass surgery (non-hemodialysis) (List separately in addition to code for primary procedure)

35601-35671	Arterial bypass graft, with other than vein; codes 35601, 35606, 35612, 35616, 35621, 35623, 35626, 35631, 35632, 35633, 35634, 35636, 35637, 35638, 35642, 35645, 35646, 35647, 35650, 35654, 35656, 35661, 35663, 35665, 35666, 35671		
35681-35683	Bypass graft; composite; codes 35681, 35682, 35683		
35691-35695	Transposition and/or reimplantation; to/from vertebral, carotid, or subclavian arteries; codes 35691, 35693, 35694, 35695		
35697	Reimplantation, visceral artery to infrarenal aortic prosthesis, each artery (List separately in addition to code for primary procedure)		
35700	Reoperation, femoral-popliteal or femoral (popliteal)-anterior tibial, posterior tibial, peroneal artery, or other distal vessels, more than 1 month after original operation (List separately in addition to code for primary procedure)		

Access Procedures

Inpatient Only Procedure		Not an Inpatient Only Procedure	
		34713	Percutaneous access and closure of femoral artery for delivery of endograft through a large sheath (12 French or larger), including ultrasound guidance, when performed, unilateral (List separately in addition to code for primary procedure)
		34714	Open femoral artery exposure with creation of conduit for delivery of endovascular prosthesis or for establishment of cardiopulmonary bypass, by groin incision, unilateral (List separately in addition to code for primary procedure)
		34715	Open axillary/subclavian artery exposure for delivery of endovascular prosthesis by infraclavicular or supraclavicular incision, unilateral (List separately in addition to code for primary procedure)
		34716	Open axillary/subclavian artery exposure with creation of conduit for delivery of endovascular prosthesis or for establishment of cardiopulmonary bypass, by infraclavicular or supraclavicular incision, unilateral (List separately in addition to code for primary procedure)
		36260-36262	Insertion, revision, or removal of implantable intra-arterial infusion pump; codes 36260, 36261, 36262
		36420	Venipuncture, cutdown; younger than age 1 year
		36425	Venipuncture, cutdown; age 1 or over
		36555-36590	Insertion, repair, or replacement of tunneled or non-tunneled, peripherally or centrally inserted central venous catheter, with or without subcutaneous port; codes 36555, 36556, 36557, 36558, 36560, 36561, 36563, 36565, 36566, 36568, 36569, 36570, 36571, 36572, 36573, 36575, 36576, 36578, 36580, 36581, 36582, 36583, 36584, 36585, 36589, 36590
		36593	Declotting by thrombolytic agent of implanted vascular access device or catheter
		36595	Mechanical removal of pericatheter obstructive material (eg, fibrin sheath) from central venous device via separate venous access
		36596	Mechanical removal of intraluminal (intracatheter) obstructive material from central venous device through device lumen
		36597	Repositioning of previously placed central venous catheter under fluoroscopic guidance
		36598	Contrast injection(s) for radiologic evaluation of existing central venous access device, including fluoroscopy, image documentation and report
36660	Catheterization, umbilical artery, newborn, for diagnosis or therapy	36640	Arterial catheterization for prolonged infusion therapy (chemotherapy), cutdown
		36800	Insertion of cannula for hemodialysis, other purpose (separate procedure); vein to vein
		36810	Insertion of cannula for hemodialysis, other purpose (separate procedure); arteriovenous, external

			(Scribner type)
		36815	Insertion of cannula for hemodialysis, other purpose (separate procedure); arteriovenous, external revision, or closure
		36818	Arteriovenous anastomosis, open; by upper arm cephalic vein transposition
		36819	Arteriovenous anastomosis, open; by upper arm basilic vein transposition
		36820	Arteriovenous anastomosis, open; by forearm vein transposition
36823	Insertion of arterial and venous cannula(s) for isolated extracorporeal circulation including regional chemotherapy perfusion to an extremity, with or without hyperthermia, with removal of cannula(s) and repair of arteriotomy and venotomy sites	36821	Arteriovenous anastomosis, open; direct, any site (eg, Cimino type) (separate procedure)
		36825	Creation of arteriovenous fistula by other than direct arteriovenous anastomosis (separate procedure); autogenous graft
		36830	Creation of arteriovenous fistula by other than direct arteriovenous anastomosis (separate procedure); nonautogenous graft (eg, biological collagen, thermoplastic graft)
		36831	Thrombectomy, open, arteriovenous fistula without revision, autogenous or nonautogenous dialysis graft (separate procedure)
		36832	Revision, open, arteriovenous fistula; without thrombectomy, autogenous or nonautogenous dialysis graft (separate procedure)
		36833	Revision, open, arteriovenous fistula; with thrombectomy, autogenous or nonautogenous dialysis graft (separate procedure)
		36835	Insertion of Thomas shunt (separate procedure)
		36836	Percutaneous arteriovenous fistula creation, upper extremity, single access of both the peripheral artery and peripheral vein, including fistula maturation procedures (eg, transluminal balloon angioplasty, coil embolization) when performed, including all vascular access, imaging guidance and radiologic supervision and interpretation
		36837	Percutaneous arteriovenous fistula creation, upper extremity, separate access sites of the peripheral artery and peripheral vein, including fistula maturation procedures (eg, transluminal balloon angioplasty, coil embolization) when performed, including all vascular access, imaging guidance and radiologic supervision and interpretation
		36838	Distal revascularization and interval ligation (DRIL), upper extremity hemodialysis access (steal syndrome)
		36860	External cannula declotting (separate procedure); without balloon catheter
		36861	External cannula declotting (separate procedure); with balloon catheter
		36870	Thrombectomy, percutaneous, arteriovenous fistula, autogenous or nonautogenous graft (includes mechanical thrombus extraction and intra-graft thrombolysis)
		36901-36908	Introduction of needle(s) and/or catheter(s), dialysis circuit, with diagnostic angiography of the dialysis circuit, including all direct puncture(s) and catheter placement(s), injection(s) of contrast, all necessary imaging from the arterial anastomosis and adjacent artery through entire venous outflow including the inferior or superior vena cava, fluoroscopic guidance, radiological supervision and interpretation and image documentation and report, with transluminal balloon angioplasty, intravascular stent, and/or thrombolytic injection; peripheral or central dialysis segment; codes 36901, 36902, 36903, 36904, 36905, 36906, 36907, 36908
		36909	Dialysis circuit permanent vascular embolization or occlusion (including main circuit or any accessory veins), endovascular, including all imaging and radiological supervision and interpretation necessary to complete the intervention (List separately in addition to code for primary procedure)

		C9754	Creation of arteriovenous fistula, percutaneous; direct, any site, including all imaging and radiologic supervision and interpretation, when performed and secondary procedures to redirect blood flow (e.g., transluminal balloon angioplasty, coil embolization, when performed)
		C9755	Creation of arteriovenous fistula, percutaneous using magnetic-guided arterial and venous catheters and radiofrequency energy, including flow-directing procedures (e.g., vascular coil embolization with radiologic supervision and interpretation, when performed) and fistulogram(s), angiography, venography, and/or ultrasound, with radiologic supervision and interpretation, when performed
		C9780	Insertion of central venous catheter through central venous occlusion via inferior and superior approaches (e.g., inside-out technique), including imaging guidance

Ligations, Occlusions, Embolizations

Inpatient Only Procedure		Not an Inpatient Only Procedure	
		36002	Injection procedures (e.g., thrombin) for percutaneous treatment of extremity pseudoaneurysm
		36465	Injection of non-compounded foam sclerosant with ultrasound compression maneuvers to guide dispersion of the injectate, inclusive of all imaging guidance and monitoring; single incompetent extremity truncal vein (eg, great saphenous vein, accessory saphenous vein)
		36466	Injection of non-compounded foam sclerosant with ultrasound compression maneuvers to guide dispersion of the injectate, inclusive of all imaging guidance and monitoring; multiple incompetent truncal veins (eg, great saphenous vein, accessory saphenous vein), same leg
		36475-36479	Endovenous ablation therapy of incompetent vein, extremity, inclusive of all imaging guidance and monitoring, percutaneous, radiofrequency or laser; codes 36475, 36476, 36478, 36479
		36482	Endovenous ablation therapy of incompetent vein, extremity, by transcatheter delivery of a chemical adhesive (eg, cyanoacrylate) remote from the access site, inclusive of all imaging guidance and monitoring, percutaneous; first vein treated
		36483	Endovenous ablation therapy of incompetent vein, extremity, by transcatheter delivery of a chemical adhesive (eg, cyanoacrylate) remote from the access site, inclusive of all imaging guidance and monitoring, percutaneous; subsequent vein(s) treated in a single extremity, each through separate access sites (List separately in addition to code for primary procedure)
		36909	Dialysis circuit permanent vascular embolization or occlusion (including main circuit or any accessory veins), endovascular, including all imaging and radiological supervision and interpretation necessary to complete the intervention (List separately in addition to code for primary procedure)
		37241	Vascular embolization or occlusion, inclusive of all radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance necessary to complete the intervention; venous, other than hemorrhage (eg, congenital or acquired venous malformations, venous and capillary hemangiomas, varices, varicoceles)
		37242	Vascular embolization or occlusion, inclusive of all radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance necessary to complete the intervention; arterial, other than hemorrhage or tumor (eg, congenital or acquired arterial malformations, arteriovenous malformations, arteriovenous fistulas, aneurysms, pseudoaneurysms)
		37243	Vascular embolization or occlusion, inclusive of all

			radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance necessary to complete the intervention; for tumors, organ ischemia, or infarction
		37244	Vascular embolization or occlusion, inclusive of all radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance necessary to complete the intervention; for arterial or venous hemorrhage or lymphatic extravasation
		37500	Vascular endoscopy, surgical, with ligation of perforator veins, subfascial (SEPS)
		37565	Ligation, internal jugular vein
		37600	Ligation; external carotid artery
		37605	Ligation; internal or common carotid artery
		37606	Ligation; internal or common carotid artery, with gradual occlusion, as with Selverstone or Crutchfield clamp
		37607	Ligation or banding of angioaccess arteriovenous fistula
		37609	Ligation or biopsy, temporal artery
37616	Ligation, major artery (eg, post-traumatic, rupture); chest	37615	Ligation, major artery (eg, post-traumatic, rupture); neck
37617	Ligation, major artery (eg, post-traumatic, rupture); abdomen		
		37619	Ligation of inferior vena cava
37618	Ligation, major artery (eg, post-traumatic, rupture); extremity	37650	Ligation of femoral vein
37660	Ligation of common iliac vein	37700	Ligation and division of long saphenous vein at saphenofemoral junction, or distal interruptions
		37718	Ligation, division, and stripping, short saphenous vein
		37722	Ligation, division, and stripping, long (greater) saphenous veins from saphenofemoral junction to knee or below
		37735	Ligation and division and complete stripping of long or short saphenous veins with radical excision of ulcer and skin graft and/or interruption of communicating veins of lower leg, with excision of deep fascia
		37760	Ligation of perforator veins, subfascial, radical (Linton type), including skin graft, when performed, open, 1 leg
		37761	Ligation of perforator vein(s), subfascial, open, including ultrasound guidance, when performed, 1 leg
		37765	Stab phlebectomy of varicose veins, 1 extremity; 10-20 stab incisions
		37766	Stab phlebectomy of varicose veins, 1 extremity; more than 20 incisions
		37780	Ligation and division of short saphenous vein at saphenopopliteal junction (separate procedure)
		37785	Ligation, division, and/or excision of varicose vein cluster(s), 1 leg

Miscellaneous

Inpatient Only Procedure		Not an Inpatient Only Procedure	
35400	Angioscopy (non-coronary vessels or grafts) during therapeutic intervention	37184-37188	Primary percutaneous transluminal mechanical thrombectomy, noncoronary, arterial or arterial bypass graft or vein, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); codes 37184, 37185, 37186, 37187, 37188
		37191-37193	Insertion, repositioning, or retrieval of intravascular vena cava filter, endovascular approach including vascular access, vessel selection, and radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance (ultrasound and fluoroscopy), when performed; codes 37191, 37192, 37193
		37197	Transcatheter retrieval, percutaneous, of intravascular foreign body (eg, fractured venous or arterial catheter), includes radiological supervision and interpretation, and imaging guidance (ultrasound or fluoroscopy), when performed
		37200	Transcatheter biopsy

		37204	Transcatheter occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method, non-central nervous system, non-head or neck
		37205-37208	Transcatheter placement of an intravascular stent(s) (except coronary, carotid, vertebral, iliac, and lower extremity arteries), percutaneous or open; codes 37205, 37206, 37207, 37208
		37210	Uterine fibroid embolization (UFE, embolization of the uterine arteries to treat uterine fibroids, leiomyomata), percutaneous approach inclusive of vascular access, vessel selection, embolization, and all radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance necessary to complete the procedure
		37211-37214	Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation; codes 37211, 37212, 37213, 37214
		37236-37237	Transcatheter placement of an intravascular stent(s) (except lower extremity, cervical carotid, extracranial vertebral or intrathoracic carotid, intracranial, or coronary), open or percutaneous, including radiological supervision and interpretation and including all angioplasty within the same vessel, when performed; initial artery and each additional artery; codes 37236, 37237
		37238-37239	Transcatheter placement of an intravascular stent(s), open or percutaneous, including radiological supervision and interpretation and including angioplasty within the same vessel, when performed; initial vein and each additional vein; codes 37238, 37239
		37246	Transluminal balloon angioplasty (except lower extremity artery(ies) for occlusive disease, intracranial, coronary, pulmonary, or dialysis circuit), open or percutaneous, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty within the same artery; initial artery
		37247	Transluminal balloon angioplasty (except lower extremity artery(ies) for occlusive disease, intracranial, coronary, pulmonary, or dialysis circuit), open or percutaneous, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty within the same artery; each additional artery (List separately in addition to code for primary procedure)
		37248	Transluminal balloon angioplasty (except dialysis circuit), open or percutaneous, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty within the same vein; initial vein
		37249	Transluminal balloon angioplasty (except dialysis circuit), open or percutaneous, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty within the same vein; each additional vein (List separately in addition to code for primary procedure)
		37252	Intravascular ultrasound (noncoronary vessel) during diagnostic evaluation and/or therapeutic intervention, including radiological supervision and interpretation; initial noncoronary vessel (List separately in addition to code for primary procedure)
		37253	Intravascular ultrasound (noncoronary vessel) during diagnostic evaluation and/or therapeutic intervention, including radiological supervision and interpretation; each additional noncoronary vessel (List separately in addition to code for primary procedure)
		37501	Unlisted vascular endoscopy procedure
37788	Penile revascularization, artery, with or without vein graft	37790	Penile venous occlusive procedure
		C9733	Non-ophthalmic fluorescent vascular angiography
		C9759	Transcatheter intraoperative blood vessel microinfusion(s) (e.g., intraluminal, vascular wall

			and/or perivascular) therapy, any vessel, including radiological supervision and interpretation, when performed
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