

FY 2012 Final Addenda
Volume 3, Procedures
Effective October 1, 2011

Tabular

	00.4 Adjunct vascular system procedures
Revise code also note	Code also any: angioplasty or atherectomy (00.61-00.62, 00.66, 39.50)
Add code also note	<u>atherectomy (17.53-17.56)</u>
	00.49 SuperSaturated oxygen therapy
Add code also note	Code also any: <u>transluminal coronary atherectomy (17.55)</u>
	00.55 Insertion of drug-eluting stent(s) of other peripheral vessel(s)
Revise code also note	Code also any: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
Add code also note	<u>atherectomy of other non-coronary vessel(s) (17.56)</u>
Revise code title	00.56 Insertion or replacement of implantable pressure sensor {lead} <u>with lead</u> for intracardiac or great vessel hemodynamic monitoring
Add note	<u>Note: The sensor is physically connected by a lead to a separately implanted monitor.</u>
Revise code also note	Code also any associated implantation or replacement of <u>subcutaneous monitor (00.57)</u>
Add exclusion term	Excludes: <u>insertion of implantable pressure sensor without lead for intracardiac or great vessel hemodynamic monitoring (38.26)</u>
Revise inclusion term	00.57 Implantation or replacement of subcutaneous device for intracardiac or great vessel hemodynamic monitoring Implantation of monitoring device with formation of subcutaneous pocket and connection to intracardiac pressure sensor (lead) <u>via lead</u>
Revise code also note	Code also any associated insertion or replacement of implanted pressure sensor (lead) <u>with lead</u> (00.56)

	00.60 Insertion of drug-eluting stent(s) of superficial femoral artery
Revise code also note	Code also any: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
Add code also note	<u>atherectomy of other non-coronary vessel(s) (17.56)</u>
Revise code title	00.61 Percutaneous angioplasty or atherectomy of precerebral (extracranial) vessel(s)
Delete inclusion term	Basilar
Add code also note	Code also any: <u>percutaneous atherectomy of extracranial vessel(s) (17.53)</u>
Revise code also note	percutaneous insertion of other precerebral <u>extracranial</u> artery stent(s) (00.64)
Revise exclusion term	Excludes: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
Add exclusion term	<u>atherectomy of other non-coronary vessel(s) (17.56)</u>
Revise code title	00.62 Percutaneous angioplasty or atherectomy of intracranial vessel(s)
Add inclusion term	<u>Basilar artery</u>
Add inclusion term	<u>Intracranial portion of vertebral artery</u>
Add code also note	Code also any: <u>percutaneous atherectomy of intracranial vessel(s) (17.54)</u>
Revise exclusion term	Excludes: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
Add exclusion term	<u>atherectomy of other non-coronary vessel(s) (17.56)</u>
	00.63 Percutaneous insertion of carotid artery stent(s)
Revise code also note	Code also any: percutaneous angioplasty or atherectomy of precerebral (extracranial)-vessel(s) (00.61)
Add code also note	<u>percutaneous atherectomy of extracranial vessel(s) (17.53)</u>
Revise exclusion term	Excludes: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
Add exclusion term	<u>atherectomy of other non-coronary vessel(s) (17.56)</u>
Add exclusion term	<u>insertion of coil-retention or embolization stent (39.72)</u>

Revise code title	00.64 Percutaneous insertion of other precerebral (extracranial) artery stent(s)
Delete inclusion term	Basilar stent
Revise code also note	Code also any: percutaneous angioplasty or atherectomy of extracranial precerebral vessel(s) (00.61)
Add code also note	<u>percutaneous atherectomy of extracranial vessel(s) (17.53)</u>
Revise exclusion term	Excludes: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
Add exclusion term	<u>atherectomy of other non-coronary vessel(s) (17.56)</u>
Add exclusion term	<u>insertion of coil-retention or embolization stent (39.72)</u>
Add inclusion term	00.65 Percutaneous insertion of intracranial vascular stent(s) <u>Basilar stent</u>
Revise code also note	Code also any: percutaneous angioplasty or atherectomy of intracranial vessel(s) (00.62)
Add code also note	<u>percutaneous atherectomy of intracranial vessel(s) (17.54)</u>
Revise exclusion term	Excludes: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
Add exclusion term	<u>atherectomy of other non-coronary vessel(s) (17.56)</u>
Add exclusion term	<u>insertion of coil-retention or embolization stent (39.72)</u>
Revise code title	00.66 Percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy
Delete inclusion term	Coronary atherectomy
Add code also note	Code also any: <u>transluminal coronary atherectomy (17.55)</u>
Add inclusion term	00.77 Hip bearing surface, ceramic-on-polyethylene <u>Hip bearing surface, oxidized zirconium-on-polyethylene</u>
Add inclusion term	00.94 Intra-operative neurophysiologic monitoring
Add inclusion term	<u>That by:</u>
Add inclusion term	<u>brainstem auditory evoked potentials [BAEP]</u>
Add inclusion term	<u>electroencephalogram [EEG]</u>
Add inclusion term	<u>electromyogram [EMG]</u>
Add inclusion term	<u>motor evoked potentials [MEP]</u>
Add inclusion term	<u>nerve conduction study</u>

Add inclusion term somatosensory evoked potentials [SSEP]
Add inclusion term transcranial Doppler

New subcategory 02.2 Ventriculostomy
Delete inclusion term ~~Anastomosis of ventricle to:~~
Delete inclusion term ~~cervical subarachnoid space~~
Delete inclusion term ~~cistern magna~~
Delete inclusion term ~~Insertion of Holter Valve~~
Delete inclusion term ~~Ventriculocisternal intubation~~

New code 02.21 Insertion or replacement of external ventricular drain [EVD]
External ventricular drainage [EVD] setup
Replacement of external ventricular drain
Ventricular catheter placement for:
drainage of cerebrospinal fluid [CSF]
injection of medication or other substance
sampling of cerebrospinal fluid [CSF]
Excludes: extracranial ventricular shunt (02.31-02.35, 02.39)
intracranial ventricular shunt (02.22)
other cranial puncture (01.09)
ventricular shunt replacement (02.41-02.43)

New code 02.22 Intracranial ventricular shunt or anastomosis
Anastomosis of ventricle to:
cervical subarachnoid space
cistern magna
Insertion of Holter valve into intracranial system
Shunt between two intracranial ventricles
That by endoscopy
Third ventriculostomy
Ventriculocisternostomy

Revise code title 02.39 ~~Other operations to establish drainage of ventricle~~
Ventricular shunt to extracranial site NEC
Delete inclusion term ~~Ventricle to bone marrow shunt~~
Delete inclusion term ~~Ventricular shunt to extracranial site NEC~~

Delete inclusion term 02.42 Replacement of ventricular shunt
~~Replacement of ventricular catheter~~

New code	<p>12.67 Insertion of aqueous drainage device</p> <ul style="list-style-type: none"> Anterior chamber drainage device Aqueous drainage shunt or stent Eye valve implant Filtration canal shunt or device
Revise code title	<p>13.65 Excision of secondary membrane [after cataract]</p> <p>Capsulectomy</p> <p><u>Capsulectomy</u></p>
New Code	<p>17.53 Percutaneous atherectomy of extracranial vessel(s)</p> <ul style="list-style-type: none"> Directional atherectomy Excimer laser atherectomy Rotational atherectomy That by laser That by transluminal extraction <p>Code also any:</p> <ul style="list-style-type: none"> injection or infusion of thrombolytic agent (99.10) number of vascular stents inserted (00.45-00.48) number of vessels treated (00.40-00.43) percutaneous insertion of carotid artery stent(s) (00.63) percutaneous insertion of other extracranial artery stent(s) (00.64) procedure on vessel bifurcation (00.44) <p>Excludes:</p> <ul style="list-style-type: none"> angioplasty of other non-coronary vessel(s) (39.50) atherectomy of intracranial vessel(s) (17.54) atherectomy of other non-coronary vessel(s) (17.56) removal of cerebrovascular obstruction of vessel(s) by open approach (38.01-38.02, 38.11-38.12, 38.31-38.32, 38.41-38.42)
New code	<p>17.54 Percutaneous atherectomy of intracranial vessel(s)</p> <ul style="list-style-type: none"> Directional atherectomy Excimer laser atherectomy Rotational atherectomy That by laser That by transluminal extraction <p>Code also any:</p> <ul style="list-style-type: none"> injection or infusion of thrombolytic agent (99.10) number of vascular stents inserted (00.45-00.48) number of vessels treated (00.40-00.43) percutaneous insertion of intracranial vascular stent(s) (00.65) procedure on vessel bifurcation (00.44)

Excludes:

- angioplasty of other non-coronary vessel(s) (39.50)
- atherectomy of extracranial vessel(s) (17.53)
- atherectomy of other non-coronary vessel(s) (17.56)
- removal of cerebrovascular obstruction of vessel(s) by open approach (38.01-38.02, 38.11-38.12, 38.31-38.32, 38.41-38.42)

New code

- 17.55 Transluminal coronary atherectomy
- Directional atherectomy
 - Excimer laser atherectomy
 - Rotational atherectomy
 - That by laser
 - That by percutaneous approach
 - That by transluminal extraction

Code also any:

- injection or infusion of thrombolytic agent (99.10)
- insertion of coronary artery stent (36.06-36.07)
- intracoronary artery thrombolytic infusion (36.04)
- number of vascular stents inserted (00.45-00.48)
- number of vessels treated (00.40-00.43)
- procedure on vessel bifurcation (00.44)
- SuperSaturated oxygen therapy (00.49)
- transluminal coronary angioplasty (00.66)

New code

- 17.56 Atherectomy of other non-coronary vessel(s)
- Percutaneous transluminal atherectomy of:
 - lower extremity vessels
 - mesenteric artery
 - renal artery
 - upper extremity vessels
- Includes:
- Directional atherectomy
 - Excimer laser atherectomy
 - Rotational atherectomy
 - That by laser
 - That by transluminal extraction

Code also any:

- injection or infusion of thrombolytic agent (99.10)
- insertion of drug-eluting peripheral vessel stent (00.55)
- insertion of non-drug-eluting peripheral vessel stent(s) or stent graft(s) (39.90)
- number of vascular stents inserted (00.45-00.48)
- number of vessels treated (00.40-00.43)
- procedure on vessel bifurcation (00.44)

	Excludes: percutaneous angioplasty of extracranial or intracranial vessel(s) (00.61-00.62) Percutaneous angioplasty of other non-coronary vessel(s) (39.50) percutaneous atherectomy of extracranial vessel(s) (17.53) percutaneous atherectomy of intracranial vessel(s) (17.54)
New subcategory	17.8 Other adjunct procedures Note: These codes are to be used in conjunction with other therapeutic procedure codes to provide additional information on devices used as part of a procedure.
New code	17.81 Insertion of antimicrobial envelope Use of anti-microbial (mesh) (prophylactic antibiotics embedded) envelope with the insertion of cardiovascular implantable electronic devices (CIED) Code first primary procedure: Insertion of cardiovascular implantable electronic device(s) [CIED] (00.51, 00.53, 00.54, 37.94, 37.96, 37.98)
Add inclusion term	33.24 Closed [endoscopic] biopsy of bronchus <u>Mini-bronchoalveolar lavage [mini-BAL]</u>
Delete exclusion term	Excludes: mini-bronchoalveolar lavage [mini-BAL] (33.29)
Revise code also note	35 Operations on valves and septa of heart Code also <u>any</u> cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)
Revise subcategory title	35.0 Closed heart valvotomy <u>or transcatheter replacement of heart valve</u>
New code	35.05 Endovascular replacement of aortic valve Note: Includes that with any balloon valvuloplasty; do not code separately Implantation of transcatheter aortic valve Replacement of aortic valve with tissue graft (autograft) (bioprosthetic) (heterograft) (homograft):

transarterial approach
transfemoral approach
TAVI (transcatheter aortic valve implantation)
TAVR (transcatheter aortic valve replacement)

Excludes:

open and other replacement of heart valve (35.20-35.28)

New code

35.06 Transapical replacement of aortic valve

Note: Includes that with any balloon valvuloplasty; do not code separately

Implantation of transcatheter aortic valve
Replacement of aortic valve with tissue graft (autograft) (bioprosthetic) (heterograft) (homograft):
intercostal approach
transventricular approach
That via transthoracic exposure, i.e. thoracotomy, sternotomy, or subxiphoid approach

Excludes:

open and other replacement of heart valve (35.20-35.28)

New code

35.07 Endovascular replacement of pulmonary valve

Note: Includes that with any balloon valvuloplasty; do not code separately

Implantation of transcatheter pulmonary valve
PPVI (percutaneous pulmonary valve implantation)
Replacement of pulmonary valve:
transfemoral approach
transvenous approach
That within previously created right ventricle-to pulmonary artery conduit
TPVI (transcatheter pulmonary valve implantation)

Excludes:

open and other replacement of heart valve (35.20-35.28)

New code

35.08 Transapical replacement of pulmonary valve

Note: Includes that with any balloon valvuloplasty; do not code separately

Implantation of transcatheter pulmonary valve
Replacement of pulmonary valve:

intercostal approach
transventricular approach
That via transthoracic exposure, i.e. thoracotomy,
sternotomy, or subxiphoid approach

Excludes:

open and other replacement of heart valve (35.20-35.28)

New code

35.09 Endovascular replacement of unspecified heart valve

Note: Includes that with any balloon valvuloplasty; do not code separately

Replacement of valve via:

intercostal approach

transventricular approach

Excludes: open and other replacement of heart valve (35.20-35.28)

Revise subcategory title

35.2 Open and other ~~R~~replacement of heart valve

Excludes:

Add exclusion term

transapical replacement of heart valve (35.06, 35.08)

Add exclusion term

transcatheter replacement of heart valve (35.05, 35.07)

Revise code title

35.20 Open and other ~~R~~replacement of unspecified heart valve

Delete inclusion term

~~Repair of unspecified heart valve with tissue graft or
prosthetic implant~~

Add inclusion term

That with tissue graft or prosthetic implant

Add exclusion term

Excludes: endovascular replacement of unspecified heart valve
(35.09)

Revise code title

35.21 Open and other ~~R~~replacement of aortic valve with tissue
graft

Delete inclusion term

~~Repair of aortic valve with tissue graft (autograft)
(heterograft) (homograft)~~

Add inclusion term

Includes that by:

Add inclusion term

autograft

Add inclusion term

heterograft

Add inclusion term

homograft

Add exclusion term

Excludes: endovascular replacement of aortic valve (35.05)

Add exclusion term

transapical replacement of aortic valve (35.06)

Revise code title

35.22 Open and ~~O~~ther replacement of aortic valve

Delete inclusion terms

~~Repair of aortic valve with replacement:~~

Add inclusion term	<u>NOS</u>
Add inclusion term	<u>prosthetic (partial) (synthetic) (total)</u>
Add exclusion term	<u>Replacement of aortic valve, NOS</u>
Add exclusion term	<u>That with prosthetic (partial) (synthetic) (total)</u>
	<u>Excludes: endovascular replacement of aortic valve (35.05)</u>
	<u>transapical replacement of aortic valve (35.06)</u>
Revise code title	35.23 <u>Open and other</u> R replacement of mitral valve with tissue graft
Delete inclusion term	Repair of mitral valve with tissue graft (autograft) (heterograft) (homograft)
Add inclusion term	<u>Includes that by:</u>
Add inclusion term	<u>autograft</u>
Add inclusion term	<u>heterograft</u>
Add inclusion term	<u>homograft</u>
Revise code title	35.24 <u>Open and</u> O other replacement of mitral valve
Delete inclusion terms	Repair of mitral valve with replacement: NOS prosthetic (partial) (synthetic) (total)
Add inclusion term	<u>Replacement of mitral valve, NOS</u>
Add inclusion term	<u>That with prosthetic (partial) (synthetic) (total)</u>
Revise code title	35.25 <u>Open and other</u> R replacement of pulmonary valve with tissue graft
Delete inclusion term	Repair of pulmonary valve with tissue graft (autograft) (heterograft) (homograft)
Add inclusion term	<u>Includes that by:</u>
Add inclusion term	<u>autograft</u>
Add inclusion term	<u>heterograft</u>
Add inclusion term	<u>homograft</u>
Add exclusion term	<u>Excludes: endovascular replacement of pulmonary valve (35.07)</u>
Add exclusion term	<u>transapical replacement of pulmonary valve (35.08)</u>
Revise code title	35.26 <u>Open and</u> O other replacement of pulmonary valve
Delete inclusion terms	Repair of pulmonary valve with replacement: NOS prosthetic (partial) (synthetic) (total)
Add inclusion term	<u>Replacement of pulmonary valve, NOS</u>
Add inclusion term	<u>That with prosthetic (partial) (synthetic) (total)</u>
Add exclusion term	<u>Excludes: endovascular replacement of pulmonary valve (35.07)</u>
Add exclusion term	<u>transapical replacement of pulmonary valve (35.08)</u>

Revise code title	35.27 <u>Open and other</u> R replacement of tricuspid valve with tissue graft
Delete inclusion term	Repair of tricuspid valve with tissue graft (autograft) (heterograft) (homograft)
Add inclusion term	<u>Includes that by:</u>
Add inclusion term	<u>autograft</u>
Add inclusion term	<u>heterograft</u>
Add inclusion term	<u>homograft</u>
Revise code title	35.28 <u>Open and</u> O ther replacement of tricuspid valve
Delete inclusion terms	Repair of tricuspid valve with replacement: NOS prosthetic (partial) (synthetic) (total)
Add inclusion term	<u>Replacement of tricuspid valve, NOS</u>
Add inclusion term	<u>That with prosthetic (partial) (synthetic) (total)</u>
	35.96 Percutaneous balloon valvuloplasty
Add exclusion term	Excludes: <u>endovascular replacement of heart valve (35.05, 35.07)</u>
Add exclusion term	<u>transapical replacement of heart valve (35.06, 35.08)</u>
	36.06 Insertion of non-drug eluting coronary artery stent(s)
Revise code also note	Code also any: percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy (00.66)
Add code also note	<u>transluminal coronary atherectomy (17.55)</u>
	36.07 Insertion of drug-eluting coronary artery stent(s)
Revise code also note	Code also any: percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy (00.66)
Add code also note	<u>transluminal coronary atherectomy (17.55)</u>
	36.09 Other removal of coronary artery obstruction
Revise exclusion term	Excludes: that by percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy (00.66)
Add exclusion term	<u>transluminal coronary atherectomy (17.55)</u>
Revise code title	37.36 <u>Excision, or destruction, or exclusion</u> of left atrial appendage (LAA)

Revise inclusion term	Includes: <u>thoracoscopic approach, minithoracotomy approach, percutaneous approach, endovascular approach, or subxiphoid approach</u>
Delete inclusion term	Exclusion of left atrial appendage
Add inclusion term	<u>That by fastener or suture</u>
Revise code also note	<u>Code also any:</u>
Add code also note	<u>concomitant (open) procedure performed</u>
Add code also note	<u>fluoroscopy (87.49)</u>
Add code also note	<u>transesophageal echocardiography (TEE) (88.72)</u>
Add exclusion term	Excludes: <u>excision or destruction of other lesion or tissue of heart, thoracoscopic approach (37.37)</u>
	<u>insertion of left atrial appendage device (37.90)</u>
New code	38.26 Insertion of implantable pressure sensor without lead for intracardiac or great vessel hemodynamic monitoring Note: The sensor is a standalone device and is not physically connected to a separately implanted monitor.
	Leadless pressure sensor not physically connected to a separately implanted monitor
	Single device combination leadless pressure sensor with integral monitor for intracardiac or great vessel (or branch thereof) hemodynamic monitoring
	With or without internal batteries
	Without leads
	Excludes:
	circulatory monitoring (blood gas, arterial or venous pressure, cardiac output and coronary blood flow) (89.60-89.69)
	hemodynamic monitoring system with sensor and separately implanted monitor (00.56 – 00.57)
	insertion or replacement of implantable pressure sensor with lead for intracardiac or great vessel hemodynamic monitoring (00.56)
Revise code title	39.50 Angioplasty or atherectomy of other non-coronary vessel(s)
Add code also note	<u>Code also any: atherectomy of other non-coronary vessels(s) (17.56)</u>
	Excludes:
Revise exclusion term	<u>percutaneous angioplasty or atherectomy of precerebral extracranial or cerebral intracranial vessel(s) (00.61-00.62)</u>
Add exclusion term	<u>percutaneous atherectomy of extracranial or intracranial vessel(s) (17.53-17.54)</u>

Revise exclusion term	39.7 Endovascular procedures on vessel(s) Excludes: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
Add exclusion term	<u>atherectomy of other non-coronary vessel(s) (17.56)</u>
Add exclusion term	<u>temporary therapeutic partial occlusion of vessel (39.77)</u>
Revise code title	39.71 Endovascular implantation of <u>other</u> graft in abdominal aorta
Add exclusion term	<u>Excludes: endovascular implantation of branching or fenestrated graft in aorta (39.78)</u>
Revise code title	39.72 Endovascular <u>(total)</u> embolization or occlusion of head and neck vessels
Add inclusion term	<u>Coil-retention stent</u>
Add inclusion term	<u>Embolization stent</u>
New code	39.77 Temporary (partial) therapeutic endovascular occlusion of vessel Includes that of aorta That by balloon catheter Code also any: diagnostic arteriogram (88.40-88.49) Excludes: any endovascular head or neck vessel procedure (39.72, 39.74-39.76) diagnostic procedures on blood vessels (38.21-38.29) permanent endovascular procedure (39.79)
New code	39.78 Endovascular implantation of branching or fenestrated graft(s) in aorta
Add exclusion term	39.79 Other endovascular procedures on other vessels Excludes: <u>uterine artery embolization with coils (68.24)</u>
New code	43.82 Laparoscopic vertical (sleeve) gastrectomy Excludes: laparoscopic banding (44.95) laparoscopic gastric restrictive procedure (44.95)
Revise code title	43.89 <u>Open and Other partial gastrectomy</u>
Add exclusion term	Excludes: <u>laparoscopic sleeve gastrectomy (43.82)</u>

Revise exclusion term	Excludes: insertion of dual <u>multiple</u> array neurostimulator pulse generator (86.95, 86.98)
Revise inclusion term	86.97 Insertion or replacement of single array rechargeable neurostimulator pulse generator Rechargeable pulse generator (single array, single channel, <u>single port</u>) for intracranial, spinal, and peripheral neurostimulator
Revise code title	86.98 Insertion or replacement of dual <u>multiple</u> array (<u>two or more</u>) rechargeable neurostimulator pulse generator
Revise inclusion term	Rechargeable pulse generator dual array, dual channel (<u>multiple array, multiple channel, multiple port</u>) for intracranial, spinal, and peripheral neurostimulator
Add exclusion term	88.7 Diagnostic ultrasound Excludes: <u>that for intraoperative monitoring (00.94)</u>
Add exclusion term	89.19 Video and radio-telemetered electroencephalographic monitoring Excludes: <u>intraoperative monitoring (00.94)</u>
Add exclusion term	93.08 Electromyography Excludes: <u>that for intraoperative monitoring (00.94)</u>
Revise exclusion term	99.09 Transfusion of other substance Excludes: transplantation [transfusion] of bone marrow (<u>41.00-41.09</u>)
Add exclusion term	99.29 Injection or infusion of other therapeutic or prophylactic substance Excludes: <u>uterine artery embolization without coils (68.25)</u>

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	Anastomosis
Revise subterm	ventricle, ventricular (intracerebral) (with valve) – <i>see also</i> shunt, ventricular 02.2 <u>02.22</u>
	Aneurysmectomy 38.60
	with
	graft replacement (interposition) 38.40
	abdominal
	aorta
Add subterm	endovascular approach 39.71
	<u>fenestrated (branching) graft 39.78</u>
	Aneurysmorrhaphy NEC 39.52
	by or with
	endovascular graft
	abdominal aorta 39.71
Add subterm	<u>fenestrated (branching) graft 39.78</u>
	Angioplasty (laser) – <i>see also</i> Repair, blood vessel
	percutaneous transluminal (balloon)
Revise subterm	basilar 00.61 <u>00.62</u>
Delete subterm	cerebral (intracranial) 00.62
	cerebrovascular
Revise subterm	cerebral (intracranial) <u>extracranial 00.62 00.61</u>
Revise subterm	precerebral (extracranial) <u>intracranial 00.61 00.62</u>
Add subterm	<u>extracranial 00.61</u>
Add subterm	<u>intracranial 00.62</u>
Delete subterm	precerebral (extracranial) 00.61
Delete subterm	carotid 00.61
	vertebral 00.61
Add subterm	<u>intracranial portion 00.62</u>
	specified site NEC 39.50
	cerebrovascular
Revise subterm	cerebral (intracranial) <u>extracranial 00.62 00.61</u>
Revise subterm	precerebral (extracranial) <u>intracranial 00.61 00.62</u>
	Atherectomy
Revise subterm	cerebrovascular – <i>see</i> Angioplasty
Add subterm	<u>percutaneous</u>
Add subterm	<u>extracranial vessel(s) 17.53</u>
Add subterm	<u>intracranial vessel(s) 17.54</u>
Revise subterm	coronary – <i>see</i> Angioplasty
Add subterm	<u>percutaneous transluminal 17.55</u>

Revise subterm	<u>peripheral (noncoronary) 39.50 17.56</u>
	Bearing surface, hip
Add subterm	<u>oxidized zirconium -on-polyethylene 00.77</u>
Add term	<u>Cleft lift 86.21</u>
Revise term	Debridement, NOS 86.28
Add subterm	<u>excisional, NOS 86.22</u>
Revise indent	<u>abdominal wall 54.3</u>
Revise indent	<u>bone (see also Excision, lesion, bone) 77.60</u>
Revise indent	<u>fracture – see Debridement, open fracture</u>
Revise indent	<u>brain 01.59</u>
Revise subterm/indent	<u>burn (skin) 86.28 86.22</u>
Delete subterm	<u>excisional (skin) 86.22</u>
Delete subterm	<u>nonexcisional 86.28</u>
Revise indent	<u>bursa 83.5</u>
Revise indent	<u>cerebral meninges 01.51</u>
Revise indent/subterm	<u>fascia 83.39 83.44</u>
Revise indent	<u>flap graft 86.75</u>
Revise indent	<u>graft (flap) (pedicle) 86.75</u>
Revise indent	<u>heart valve (calcified) – see Valvuloplasty, heart</u>
Revise subterm/indent	<u>infection (skin) 86.28 86.22</u>
Delete subterm	<u>excisional (skin) 86.22</u>
Revise indent	<u>nail bed or fold 86.27</u>
Delete subterm	<u>nonexcisional 86.28</u>
Revise indent	<u>joint – see Excision, lesion joint</u>
Revise indent	<u>meninges (cerebral) 01.51</u>
Revise indent	<u>spinal 03.4</u>
Revise indent	<u>muscle 83.45</u>
Revise indent	<u>hand 82.36</u>
Revise indent	<u>nail 86.27</u>
Revise indent	<u>nerve (peripheral) 04.07</u>
Revise indent	<u>open fracture (compound) 79.60</u>
Revise indent	<u>arm NEC 79.62</u>
Revise indent	<u>carpal, metacarpal 79.63</u>
Revise indent	<u>facial bone 76.2</u>
Revise indent	<u>femur 79.65</u>
Revise indent	<u>fibula 79.66</u>
Revise indent	<u>foot NEC 79.67</u>
Revise indent	<u>hand NEC 79.63</u>
Revise indent	<u>humerus 79.61</u>
Revise indent	<u>leg NEC 79.66</u>
Revise indent	<u>phalanges</u>
Revise indent	<u>foot 79.68</u>

Revise indent hand 79.64
 Revise indent radius 79.62
 Revise indent specified site NEC 79.69
 Revise indent tarsal, metatarsal 79.67
 Revise indent tibia 79.66
 Revise indent ulna 79.62
 Revise indent patella 77.66
 Revise indent pedicle graft 86.75
 Add subterm skin or subcutaneous tissue (burn) (infection) (wound) 86.22
 Revise indent cardioverter/defibrillator (automatic) pocket 37.79
 Delete subterm excisional (skin) 86.22
 Revise indent graft 86.75
 Revise indent nail, nail bed, nail fold 86.27
 Delete subterm nonexcisional 86.28
 Revise indent pacemaker pocket 37.79
 Revise indent pocket
 Revise indent cardiac device NEC 37.79
 Revise indent cardiac pacemaker 37.79
 Revise indent cardioverter/defibrillator (automatic) 37.79
 Revise indent skull 01.25
 Revise indent compound fracture 02.02
 Revise indent spinal cord (meninges) 03.4
 Revise indent tendon 83.39
 Revise subterm wound (skin) 86.28 86.22
 Delete subterm excisional (skin) 86.22
 Delete subterm nonexcisional 86.28

Add subterm nonexcisional, NOS 86.28
 Add subterm burn (skin) 86.28
 Revise indent dental 96.54
 Add subterm infection (skin) 86.28
 Revise indent skin or subcutaneous tissue (burn) (infection) (wound) 86.28
 Add subterm ultrasonic, ultrasound 86.28
 Revise indent VersaJet™ 86.28
 Add subterm wound (skin) 86.28

Dopplergram, Doppler flow mapping – *see also* Ultrasonography
intraoperative transcranial 00.94

Drainage

Add subterm fluid (blood) (cerebrospinal) (CSF)
 Add subterm by
 Add subterm external ventricular drain (EVD) placement 02.21
 Revise subterm ventricle (cerebral) (incision) NEC 02.39
 Add subterm by
extracranial ventricular shunt – see category 02.3

	Electroencephalogram (EEG) 89.14 monitoring (radiographic) (video) 89.19
Add subterm	<u>intraoperative 00.94</u>
	Embolization (transcatheter)
	artery (selective) 38.80
	by
	endovascular approach 39.79
Add subterm	<u>partial occlusion (balloon) (temporary) 39.77</u>
	aorta (arch) (ascending) (descending) 38.84
Add subterm	<u>temporary therapeutic endovascular (balloon) (partial occlusion) 39.77</u>
Add subterm	<u>uterine (gelatin sponge) (gelfoam) (microspheres) (PVA) (spherical embolics) (without coil(s)) 68.25</u>
	coil, endovascular 39.79
Add subterm	<u>uterine artery 68.24</u>
	vein (selective) 38.80
	by
	endovascular approach 39.79
Add subterm	<u>partial occlusion (balloon) (temporary) 39.77</u>
	Endarterectomy (gas) (with patch graft) 38.10
	head and neck (open) NEC 38.12
Revise subterm	percutaneous approach, precerebral -(extracranial) vessel(s) 00.61
Revise indent/subterm	<u>percutaneous approach, intracranial vessel(s) 00.62</u>
	Endoaneurysmorrhaphy - <i>see also</i> Aneurysmorrhaphy 39.52
	by or with
	endovascular graft
	abdominal aorta 39.71
Add subterm	<u>fenestrated (branching) graft 39.78</u>
	Exclusion
Add subterm	<u>LAA 37.36</u>
	left atrial appendage 37.36
Add subterm	<u>percutaneous 37.36</u>
Add subterm	<u>TigerPaw™ System 37.36</u>
	Fistulization
Revise subterm	subarachnoid space 02.2 <u>02.22</u>
Revise subterm	ventricle, cerebral - <i>see also</i> Shunt, ventricular 02.2 <u>02.22</u>
Revise term	Gastrectomy (partial) (<u>sleeve</u>) (subtotal) NEC 43.89
Add subterm	<u>laparoscopic, vertical (sleeve) 43.82</u>

Add subterm	<u>sleeve</u>
Add subterm	<u>laparoscopic 43.82</u>
	Graft, grafting
	aneurysm 39.52
	endovascular
	abdominal aorta 39.71
Add subterm	<u>fenestrated (branching) graft 39.78</u>
	Hysterectomy, NOS 68.9
Revise term	abdominal 68.49
Revise subterm	laparoscopic (total) [TLH] (TLH) 68.41
Revise subterm	other (total) 68.49
Add subterm	<u>laparoscopic</u>
Add subterm	<u>abdominal</u>
Add subterm	<u>radical (total) (TLRH) 68.61</u>
Add subterm	<u>total (TLH) 68.41</u>
Add subterm	<u>supracervical (LASH) (LSH) 68.31</u>
Add subterm	<u>total (TLH) 68.41</u>
Add subterm	<u>vaginal, assisted (LAVH) 68.51</u>
Add subterm	<u>radical (LRVH) 68.71</u>
Add subterm	<u>radical</u>
Add subterm	<u>abdominal</u>
Add subterm	<u>laparoscopic 68.61</u>
Add subterm	<u>other (modified) (Wertheim's) 68.69</u>
Add subterm	<u>vaginal</u>
Add subterm	<u>laparoscopic (LRVH) 68.71</u>
Add subterm	<u>other 68.79</u>
	Implant, implantation
	neurostimulator
	pulse generator (subcutaneous) 86.96
Revise subterm	 dual <u>multiple array 86.95</u>
Revise subterm	Ommaya reservoir 02.2 <u>02.22</u>
Revise subterm	Rickham reservoir 02.2 <u>02.22</u>
Add subterm	<u>valve(s)</u>
Add subterm	<u>endovascular – see Replacement, heart valve, by site</u>
	Infusion
Add subterm	<u>lymphocyte 99.09</u>
	Insertion
Add subterm	<u>antimicrobial envelope 17.81</u>
Add subterm	<u>aqueous drainage device (shunt) (stent) 12.67</u>
	catheter
Add subterm	<u>NeuroFlo™ (partial abdominal aorta occlusion) 39.77</u>

Add subterm	<u>temporary occlusion, abdominal aorta 39.77</u>
	endograft(s), endovascular graft(s)
	endovascular, abdominal aorta 39.71
Add subterm	<u>fenestrated (branching) 39.78</u>
Add subterm	<u>envelope, antimicrobial 17.81</u>
Add subterm	<u>eye valve implant 12.67</u>
Revise subterm	Holter valve 02.2 <u>02.22</u>
	noncoronary vessel
	stent(s) (stent graft)
Revise subterm	with angioplasty or atherectomy 39.50
Add subterm	<u>angioplasty 39.50</u>
Add subterm	<u>atherectomy 17.56</u>
Revise subterm/indent	<u>with bypass- omit code</u>
Revise subterm	Ommaya reservoir 02.2 <u>02.22</u>
Revise subterm	Rickham reservoir 02.2 <u>02.22</u>
	sensor (lead)
Revise subterm	intracardiac or great vessel hemodynamic monitoring 00.56
Add subterm	<u>with lead 00.56</u>
Add subterm	<u>without lead 38.26</u>
	stent(s) (stent graft)
Add subterm	<u>aqueous drainage 12.67</u>
	valve(s)
Revise subterm	Holter 02.2 <u>02.22</u>
Revise subterm	Spitz-Holter 02.2 <u>02.22</u>
	Intubation – <i>see also</i> Catheterization and Insertion
Revise subterm	ventriculocisternal 02.2 <u>02.22</u>
	Lavage
	bronchus NEC 96.56
Revise subterm	diagnostic (endoscopic) <u>bronchoalveolar lavage (BAL)</u>
	<u>(Mini-BAL) 33.24</u>
Delete subterm	bronchoalveolar lavage (BAL) 33.24
Delete subterm	mini bronchoalveolar lavage (mini BAL) 33.29
	Monitoring
	cardiac output (by)
	intracardiac or great vessel hemodynamic
Revise subterm	sensor <u>with</u> (lead) 00.56
Add subterm	<u>sensor without lead 38.26</u>
	electroencephalographic 89.19
Add subterm	<u>intraoperative 00.94</u>
Delete subterm	intraoperative anesthetic effect monitoring and titration 00.94
	{89.14}
Add subterm	<u>intraoperative</u>
Add subterm	<u>anesthetic effect monitoring and titration (IAEMT) 00.94</u>

Add subterm	<u>[89.14]</u> <u>neurophysiologic (BAEP) (brainstem auditory evoked potentials) (EEG) (electroencephalogram) (electromyogram) (EMG) (MEP) (motor evoked potentials) (nerve conduction study) (somatosensory evoked potentials) (SSEP) (transcranial Doppler) 00.94</u>
Add term	<u>NeuroFlo™ catheter for partial (temporary) abdominal aorta occlusion 39.77</u>
Revise subterm	Operation Torkildsen (ventriculocisternal shunt) 02.2 <u>02.22</u>
Add term	<u>PPVI (percutaneous pulmonary valve implantation) 35.07</u>
Delete subterm	Removal- <i>see also</i> Excision catheter (indwelling) – <i>see also</i> Removal, tube ventricular (cerebral) 02.34
Delete subterm	with synchronous replacement 02.42
Revise subterm	neurostimulator pulse generator (subcutaneous single array, dual <u>multiple</u> array) 86.05
Revise subterm	with synchronous replacement 86.96 dual <u>multiple</u> array 86.95
Add subterm	Repair aneurysm (false) (true) 39.52 by or with endovascular graft 39.79 abdominal aorta 39.71 <u>fenestrated (branching) 39.78</u>
Add subterm	artery NEC 39.59 by endovascular approach abdominal aorta 39.71 <u>fenestrated (branching) graft 39.78</u>
Revise subterm	head and neck (<u>total</u> embolization or occlusion) 39.72
Revise subterm	percutaneous repair of precerebral (extracranial) vessel(s) (for stent insertion) 00.61
Revise subterm	non-coronary percutaneous transluminal <u>approach</u> angioplasty or atherectomy
Add subterm	<u>angioplasty</u>
Revise indent/subterm	basilar 00.61 <u>00.62</u>
Revise indent	<u>carotid 00.61</u>
Revise indent	<u>femoropopliteal 39.50</u>

Revise indent	<u>iliac 39.50</u>
Revise indent	<u>lower extremity NOS 39.50</u>
Revise indent	<u>mesenteric 39.50</u>
Revise indent	<u>renal 39.50</u>
Revise indent	<u>upper extremity NOS 39.50</u>
Revise indent	<u>vertebral 00.61</u>
Add subterm	<u>intracranial portion 00.62</u>
Add subterm	<u>atherectomy 17.56</u>
	coronary NEC 36.99
Revise subterm	by atherectomy —see Angioplasty, coronary
Add subterm	<u>percutaneous transluminal 17.55</u>
	blood vessel NEC 39.59
	coronary NEC 36.99
Revise subterm	by atherectomy —see Angioplasty, coronary
Add subterm	<u>percutaneous transluminal 17.55</u>
	peripheral vessel NEC 39.59
Revise subterm	by atherectomy 39.50 <u>17.56</u>
	coronary artery NEC 36.99
Revise subterm	by atherectomy —see Angioplasty, coronary
Add subterm	<u>percutaneous transluminal 17.55</u>
	heart 37.49
	valve (cusps) (open heart technique) 35.10
Delete subterm	with prosthesis or tissue graft 35.20
	aortic (without replacement) 35.11
Delete subterm	with
Delete subterm	prosthesis 35.22
Delete subterm	tissue graft 35.21
	mitral (without replacement) 35.12
	with
Delete subterm	prosthesis 35.24
Delete subterm	tissue graft 35.23
	pulmonary (without replacement) 35.13
Delete subterm	with
Delete subterm	prosthesis 35.26
Revise indent	<u>in total repair of tetralogy of Fallot 35.81</u>
Delete subterm	tissue graft 35.25
	tricuspid (without replacement) 35.14
Delete subterm	with
Delete subterm	prosthesis 35.28
Delete subterm	tissue graft 35.27
	Replacement
Revise subterm	aortic valve, <u>NOS (with prosthesis) 35.22</u>
Revise subterm	with tissue graft 35.21
Add subterm	<u>prosthesis 35.22</u>
Add subterm	<u>tissue graft 35.21</u>

Add subterm endovascular 35.05

Add subterm endovascular (TAVI) (TAVR) (transarterial) (transcatheter) (transfemoral) (with tissue graft) 35.05

Add subterm transapical (intercostal) (transcatheter) (transthoracic) (transventricular) (with tissue graft) 35.06

catheter

Add subterm external ventricular drain 02.21

heart

Revise subterm valve, NOS (with prosthesis) (with tissue graft) 35.20

Revise subterm aortic, NOS (~~with prosthesis~~) 35.22

Revise subterm with tissue graft 35.21

Add subterm prosthesis 35.22

Add subterm tissue graft 35.21

Add subterm endovascular 35.05

Add subterm endovascular (TAVI) (TAVR) (transarterial) (transcatheter) (transfemoral) (with tissue graft) 35.05

Add subterm transapical (intercostal) (transcatheter) (transthoracic) (transventricular) (with tissue graft) 35.06

Add subterm endovascular, NOS 35.09

Revise subterm mitral, NOS (~~with prosthesis~~) 35.24

Revise subterm with tissue graft 35.21

Add subterm prosthesis 35.24

Add subterm tissue graft 35.23

Revise subterm pulmonary, NOS (~~with prosthesis~~) 35.26

Revise subterm with tissue graft 35.25

Add subterm prosthesis 35.26

Add subterm tissue graft 35.25

Add subterm endovascular (percutaneous) (PPVI) (TPVR) (transcatheter) (transfemoral) (transvenous) 35.07

Add subterm transapical (intercostal) (transcatheter) (transthoracic) (transventricular) 35.08

Revise subterm tricuspid, NOS (~~with prosthesis~~) 35.28

Revise subterm with tissue graft 35.27

Add subterm prosthesis 35.28

Add subterm tissue graft 35.27

Revise subterm mitral valve, NOS (~~with prosthesis~~) 35.24

Revise subterm with tissue graft 35.21

Add subterm prosthesis 35.24

Add subterm tissue graft 35.23

Revise subterm pulmonary valve, NOS (~~with prosthesis~~) 35.26

Revise subterm with tissue graft 35.25

Add subterm prosthesis 35.26

Add subterm tissue graft 35.25

Add subterm endovascular (percutaneous) (PPVI) (TPVR) (transcatheter) (transfemoral) (transvenous) 35.07

Add subterm transapical (intercostal) (transcatheter) (transthoracic)

Revise subterm (transventricular) 35.08
 ventricular shunt ~~(catheter)~~ (valve) 02.42

Resection - *see also* Excision, by site
 gastric (partial) (sleeve) (subtotal) NEC- *see also* Gastrectomy
 43.89

Add subterm laparoscopic 43.82
 stomach (partial) (sleeve) (subtotal) NEC - *see also* Gastrectomy
 43.89

Add subterm laparoscopic 43.82

Shunt – *see also* Anastomosis and Bypass, vascular
aqueous drainage 12.67

Add subterm ventricular (cerebral) (with valve) ~~02.2~~ 02.22
 Revise subterm to
 cervical subarachnoid space ~~02.2~~ 02.22
 Revise subterm cistern magna ~~02.2~~ 02.22
 Revise subterm intracerebral site NEC ~~02.2~~ 02.22
 Revise subterm ventriculocisternal (with valve) ~~02.2~~ 02.22

Add term TAVI (transcatheter aortic valve implantation) 35.05
 Add term TAVR (transcatheter aortic valve replacement) 35.05

Add term UAE (uterine artery embolization), NOS 68.25
 Add subterm with
 Add subterm coils 68.24
 Add subterm particulate agent (gelatin sponge) (gelfoam) (microspheres)
 Add subterm (polyvinyl alcohol) (PVA) (spherical embolics) 68.25

Revise term Ventriculocisternostomy ~~02.2~~ 02.22

Revise term Ventriculostomy ~~02.2~~
 Add subterm for
 Add subterm external ventricular drainage (EVD) 02.21
 Add subterm placement of ventricular catheter 02.21
 Add subterm third (endoscopic) 02.22

Ventriculotomy
 Revise subterm cerebral ~~02.2~~ 02.22