

**FY 2003 Final Addenda
ICD-9-CM Volume 3, Procedures
Effective October 1, 2002**

Tabular List

New chapter	00	Procedures and interventions, Not Elsewhere Classified
New subcategory	00.0	Therapeutic ultrasound
New code	00.01	Therapeutic ultrasound of vessels of head and neck Anti-restenotic ultrasound Intravascular non-ablative ultrasound Excludes: diagnostic ultrasound of: eye (95.13) head and neck (88.71) that of inner ear (20.79) ultrasonic: angioplasty of non-coronary vessel (39.50) embolectomy (38.01, 38.02) endarterectomy (38.11, 38.12) thrombectomy (38.01, 38.02)
New code	00.02	Therapeutic ultrasound of heart Anti-restenotic ultrasound Intravascular non-ablative ultrasound Excludes: diagnostic ultrasound of heart (88.72) ultrasonic ablation of heart lesion (37.34) ultrasonic angioplasty of coronary vessels (36.01, 36.02, 36.05, 36.09)
New code	00.03	Therapeutic ultrasound of peripheral vascular vessels Anti-restenotic ultrasound Intravascular non-ablative ultrasound Excludes: diagnostic ultrasound of peripheral vascular system (88.77) ultrasonic angioplasty of: non-coronary vessel (39.50)

New code	00.09 Other therapeutic ultrasound
	Excludes: ultrasonic: fragmentation of urinary stones (59.95) percutaneous nephrostomy with fragmentation (55.04) physical therapy (93.35) transurethral guided laser induced prostatectomy (TULIP) (60.21)
New subcategory	00.1 Pharmaceuticals
New code	00.10 Implantation of chemotherapeutic agent Brain wafer chemotherapy Interstitial/ intracavitary
	Excludes: injection or infusion of cancer chemotherapeutic substance (99.25)
New code	00.11 Infusion of drotrecogin alfa (activated) Infusion of recombinant protein
New code	00.12 Administration of inhaled nitric oxide Nitric oxide therapy
New code	00.13 Injection or infusion of nesiritide Human B-type natriuretic peptide (hBNP)
New code	00.14 Injection or infusion of oxazolidinone class of antibiotics Linezolid injection
New subcategory	00.5 Other cardiovascular procedures
New code	00.50 Implantation of cardiac resynchronization pacemaker without mention of defibrillation, total system [CRT-P] Biventricular pacing without internal cardiac defibrillator
	Implantation of cardiac resynchronization (biventricular) pulse generator pacing device, formation of pocket, transvenous leads including placement of lead into left ventricular coronary venous system, and intraoperative procedures for evaluation of lead signals.

- Excludes: implantation of cardiac resynchronization defibrillator, total system [CRT-D] (00.51)
- insertion or replacement of any type pacemaker device (37.80-37.87)
- replacement of cardiac resynchronization defibrillator pulse generator only [CRT-D](00.54)
- replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P](00.53)

New code

00.51 Implantation of cardiac resynchronization defibrillator, total system [CRT-D]

Biventricular pacing with internal cardiac defibrillator

Implantation of a cardiac resynchronization (biventricular) pulse generator with defibrillator [AICD], formation of pocket, transvenous leads, including placement of lead into left ventricular coronary venous system, intraoperative procedures for evaluation of lead signals, and obtaining defibrillator threshold measurements.

- Excludes: implantation of cardiac resynchronization pacemaker, total system [CRT-P](00.50)
- implantation or replacement of automatic cardioverter/defibrillator, total system [AICD] (37.94)
- replacement of cardiac resynchronization defibrillator pulse generator, only [CRT-D](00.54)

New code

00.52 Implantation or replacement of transvenous lead [electrode] into left ventricular coronary venous system

- Excludes: implantation of cardiac resynchronization defibrillator, total system [CRT-D](00.51)
- implantation of cardiac resynchronization pacemaker, total system [CRT-P](00.50)

Excludes: drug-coated stents, e.g., heparin coated (39.90)
 insertion of drug-eluting coronary artery stent
 (36.07)
 insertion of non-drug-eluting stent(s):
 coronary artery (36.06)
 non-coronary artery (39.90)
 that for aneurysm repair (39.71 - 39.79)

Revise code title	02.41	Irrigation <u>and exploration</u> of ventricular shunt
Add inclusion term		<u>Exploration of ventriculoperitoneal shunt at ventricular site</u>
	03	Operations on spinal cord and spinal canal structures
Add code also		<u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
	03.09	Other exploration and decompression of spinal canal
Add inclusion term		<u>Expansile laminoplasty</u>
	04.2	Destruction of cranial and peripheral nerves
Add inclusion term		<u>Radiofrequency ablation</u>
	33.24	Closed [endoscopic] biopsy of bronchus
Add inclusion term		<u>Diagnostic bronchoalveolar lavage (BAL)</u>
Add exclusion term		Excludes: <u>whole lung lavage (33.99)</u>
	33.99	Other operations on lung
Add inclusion term		<u>Whole lung lavage</u>
Revise code	36.06	Insertion of <u>non-drug-eluting</u> coronary artery stent(s)
Add inclusion term		<u>Bare stent(s)</u>
Add inclusion term		<u>Bonded stent(s)</u>
Add inclusion term		<u>Drug-coated stent(s), i.e. heparin coated</u>
Add inclusion term		<u>Endograft(s)</u>
Add inclusion term		<u>Endovascular graft(s)</u>
Revise inclusion term		<u>Stent graft(s)</u>

Add exclusion term	<u>Excludes: insertion of drug-eluting coronary artery stent(s) (36.07)</u>
New code	36.07 Insertion of drug-eluting coronary artery stent(s) Endograft(s) Endovascular graft(s) Stent graft(s) Code also any: open chest coronary artery angioplasty (36.03) percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy (36.01, 36.02, 36.05) Excludes: drug-coated stents, e.g., heparin coated (36.06) insertion of non-drug-eluting coronary artery stent(s) (36.06)
Add inclusion term	37.26 Cardiac electrophysiologic stimulation and recording studies <u>Non-invasive programmed electrical stimulation (NIPS)</u>
Add exclusion term	37.7 Insertion, revision, replacement, and removal of pacemaker leads; insertion of temporary pacemaker system; or revision of pocket <u>Excludes: implantation or replacement of transvenous lead [electrode] into left ventricular cardiac venous system (00.52)</u>
Revise inclusion term	37.79 Revision or relocation of pacemaker pocket Relocation of pocket [creation of new pocket] \ <u>pacemaker or CRT-P</u>
Add exclusion term	37.8 Insertion, replacement, removal, and revision of pacemaker device <u>Excludes: implantation of cardiac resynchronization pacemaker [CRT-P] (00.50)</u>
Add exclusion term	<u>implantation or replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P] (00.53)</u>
Add inclusion term	37.89 Revision or removal of pacemaker device <u>Removal without replacement of cardiac</u>

New code 39.72 Endovascular repair or occlusion of head and neck vessels
Coil embolization or occlusion
Endograft(s)
Endovascular graft(s)
Liquid tissue adhesive (glue) embolization or occlusion
Other implant or substance for repair, embolization or
occlusion
That for repair of aneurysm, arteriovenous malformation
[AVM] or fistula

Revise code 39.79 Other endovascular ~~graft~~ repair of aneurysm of other
vessels

Delete inclusion term ~~Implantation of graft in:~~
~~lower extremity artery(s):~~
~~celiac~~
~~femoral~~
~~hepatic~~
~~iliac~~
~~mesenteric~~
~~popliteal~~
~~renal~~
~~splenic~~
~~tibial~~
~~thoracic aorta~~
~~upper extremity artery(s):~~
~~axillary~~
~~brachial~~
~~brachiocephalic~~
~~carotid~~
~~radial~~
~~ulnar~~
Stent graft(s)

Add inclusion term Coil embolization or occlusion
Add inclusion term Endograft(s)
Add inclusion term Endovascular graft(s)
Add inclusion term Liquid tissue adhesive (glue) embolization or occlusion
Add inclusion term Other implant or substance for repair, embolization or
occlusion

Add exclusion term Excludes: endovascular repair or occlusion of head and neck
vessels (39.72)

insertion of drug-eluting non-coronary artery stent(s) (00.55)
insertion of non-coronary artery stent(s) (for other than aneurysm repair) (39.90)
non-endovascular repair of arteriovenous fistula (39.53)
other surgical occlusion of vessels -see category 38.8
percutaneous transcatheter infusion (99.29)
transcatheter embolization for gastric or duodenal bleeding (44.44)

Revise code	39.90	Insertion of <u>non-drug-eluting, non-coronary artery stent(s) or stents</u>
Add inclusion term		<u>Bare stent(s)</u>
Add inclusion term		<u>Bonded stent(s)</u>
Add inclusion term		<u>Drug-coated stent(s), i.e., heparin coated</u>
Add inclusion term		<u>Endograft(s)</u>
Add inclusion term		<u>Endovascular graft(s)</u>
Add exclusion term		Excludes: <u>insertion of drug-eluting, non-coronary artery stent(s) (00.55)</u>
Add code also	41.4	Excision or destruction of lesion or tissue of spleen <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	41.5	Total splenectomy <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	41.9	Other operations on spleen and bone marrow <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	43	Incision and excision of stomach <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	44	Other operations on stomach <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add inclusion term	44.32	Percutaneous [endoscopic] gastrojejunostomy <u>Endoscopic conversion of gastrostomy to jejunostomy</u>

Add code also	45	Incision, excision, and anastomosis of intestine <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	46	Other operations on intestine <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Delete inclusion term	46.32	Percutaneous [endoscopic] jejunostomy Endoscopic conversion of gastrostomy to jejunostomy
Add inclusion term	46.79	Other repair of intestine <u>Duodenoplasty</u>
Add code also	47	Operations on appendix <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	48	Operations on rectum, rectosigmoid, and perirectal tissue <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	49	Operations on anus <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
New code	49.75	Implantation or revision of artificial anal sphincter Removal with subsequent replacement Replacement during same or subsequent operative episode
New code	49.76	Removal of artificial anal sphincter Explantation or removal without replacement Excludes: revision with implantation during same operative episode (49.75)

Add code also	50	Operations on liver <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	51	Operations on gallbladder and biliary tract <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add inclusion term Add inclusion term	51.01	Percutaneous aspiration of gallbladder <u>Percutaneous cholecystotomy for drainage</u> <u>That by: needle or catheter</u>
Add inclusion term	51.37	Anastomosis of hepatic duct to gastrointestinal tract <u>Kasai portoenterostomy</u>
Add code also	52	Operations on pancreas <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	53	Repair of hernia <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	54	Other operations on abdominal region <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add inclusion term	54.95	Incision of peritoneum <u>Exploration of ventriculoperitoneal shunt at peritoneal site</u>
Add code also	55	Operations on kidney <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	56	Operations on ureter <u>Code also any application or administration of an</u>

adhesion barrier substance (99.77)

- Add code also 57 Operations on urinary bladder
Code also any application or administration of an
adhesion barrier substance (99.77)
- Add code also 58 Operations on urethra
Code also any application or administration of an
adhesion barrier substance (99.77)
- Add code also 59 Other operations on urinary tract
Code also any application or administration of an
adhesion barrier substance (99.77)
- Add code also 60 Operations on prostate and seminal vesicles
Code also any application or administration of an
adhesion barrier substance (99.77)
- Add code also 65 Operations on ovary
Code also any application or administration of an
adhesion barrier substance (99.77)
- Add code also 66 Operations on fallopian tubes
Code also any application or administration of an
adhesion barrier substance (99.77)
- Add code also 67 Operations on cervix
Code also any application or administration of an
adhesion barrier substance (99.77)
- Add code also 68 Other incision and excision of uterus
Code also any application or administration of an
adhesion barrier substance (99.77)
- Add code also 69 Other operations on uterus and supporting structures
Code also any application or administration of an
adhesion barrier substance (99.77)

Add code also	70	Operations on vagina and cul-de-sac <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	71	Operations on vulva and perineum <u>Code also any application or administration of an adhesion barrier substance (99.77)</u>
Add code also	81.0	Spinal fusion <u>Code also any 360 degree spinal fusion by a single incision (81.61)</u>
Add code also		<u>Code also any insertion of interbody spinal fusion device (84.51)</u>
Add code also		<u>Code also any insertion of recombinant bone morphogenetic protein (84.52)</u>
Add inclusion term	81.3	Refusion of spine
Add inclusion term		Includes: <u>arthrodesis of spine with:</u>
Add inclusion term		<u>bone graft</u>
		<u>internal fixation</u>
Add code also		<u>Code also any 360 degree spinal refusion by a single incision (81.61)</u>
Add code also		<u>Code also any insertion of interbody spinal fusion device (84.51)</u>
Add code also		<u>Code also any insertion of recombinant bone morphogenetic protein (84.52)</u>
New category	81.6	Other procedures on spine
New code	81.61	360 degree spinal fusion, single incision approach
		That by a single incision but fusing or refusing both anterior and posterior spine
		Code also refusion of spine (81.30 -81.39)
		Code also spinal fusion (81.00 – 81.08)
New category	84.5	Implantation of other musculoskeletal devices and substances
New code	84.51	Insertion of interbody spinal fusion device

Insertion of: cages (carbon, ceramic, metal, plastic or titanium)
interbody fusion cage
synthetic cages or spacers
threaded bone dowels

Code also refusion of spine (81.30 – 81.39)

Code also spinal fusion (81.00 – 81.08)

- New code 84.52 Insertion of recombinant bone morphogenetic protein rhBMP
That via collagen sponge, coral, ceramic and other carriers
Code also primary procedure performed:
fracture repair - (79.00-79.99)
spinal fusion (81.00 - 81.08)
spinal refusion (81.30 - 81.39)
- Add inclusion term 86.28 Nonexcisional debridement of wound, infection, or burn
Maggot therapy
- Add exclusion term 86.65 Heterograft to skin
Excludes: application of dressing only (93.57)
- Add exclusion term 88.7 Diagnostic ultrasound
Excludes: therapeutic ultrasound (00.01 -00.09)
- Add exclusion term 88.91 Magnetic resonance imaging of brain and brain stem
Excludes: intraoperative magnetic resonance imaging (88.96)
Add exclusion term real-time magnetic resonance imaging (88.96)
- New code 88.96 Other intraoperative magnetic resonance imaging
iMRI
Real-time magnetic resonance imaging
- New code 89.60 Continuous intra-arterial blood gas monitoring
Insertion of blood gas monitoring system and continuous

- monitoring of blood gases through an intra-arterial sensor
- Add exclusion term 89.65 Measurement of systemic arterial blood gases
Excludes: continuous intra-arterial blood gas monitoring (89.60)
- Add inclusion term 93.57 Application of other wound dressing
Porcine wound dressing
- Delete inclusion term 93.98 Other control of atmospheric pressure and composition
Nitric oxide therapy
Add exclusion term Excludes: inhaled nitric oxide therapy (INO) (00.12)
- Add exclusion term 96.56 Other lavage of bronchus and trachea
Excludes: diagnostic bronchoalveolar lavage (BAL) (33.24)
Add exclusion term whole lung lavage (33.99)
- Add exclusion term 99.19 Injection of anticoagulant
Excludes: infusion of drotrecogin alfa (activated) (00.11)
- Add exclusion term 99.21 Injection of antibiotic
Excludes: injection or infusion of oxazolidinone class of antibiotics (00.14)
- Add exclusion term 99.22 Injection of other anti-infective
Excludes: injection or infusion of oxazolidinone class of antibiotics (00.14)
- Add exclusion term 99.25 Injection or infusion of cancer chemotherapeutic substance
Excludes:
implantation of chemotherapeutic agent (00.10)
- 99.28 Injection or infusion of biological response modifier [BRM] as an antineoplastic agent

Add inclusion term High-dose interleukin-2 (IL-2) therapy
Add inclusion term Interleukin therapy

99.29 Injection or infusion of other therapeutic or prophylactic substance
Excludes:

Add exclusion term injection or infusion of human B-type natriuretic peptide (hBNP) (00.13)

Add exclusion term injection or infusion of nesiritide (00.13)

99.71 Therapeutic plasmapheresis

Add exclusion term Excludes: extracorporeal immunoadsorption [ECI] 99.76

New code 99.76 Extracorporeal immunoadsorption
Removal of antibodies from plasma with protein A columns

New code 99.77 Application or administration of adhesion barrier substance

99.99 Other

Add inclusion term Leech therapy

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Add subterm Administration (of) – *see also* injection
Add subterm adhesion barrier substance 99.77
Add subterm inhaled nitric oxide 00.12

Application
Revise subterm adhesion barrier ~~gel~~ substance 99.29 99.77
Add subterm barrier substance, adhesion 99.77
Add subterm bone morphogenetic protein (recombinant)(rhBMP) 84.52
Add subterm substance, adhesion barrier 99.77

Chemotherapy – *see also* Immunotherapy
for cancer NEC 99.25

Add subterm brain wafer implantation 00.10
Add subterm implantation of chemotherapeutic agent 00.10
Add subterm interstitial implantation 00.10
Add subterm intracavitary implantation 00.10
Add subterm wafer chemotherapy 00.10

Add subterm	Cholecystotomy 51.04 <u>percutaneous 51.01</u>
Change code	Conversion gastrostomy to jejunostomy (endoscopic) 46.32 <u>44.32</u>
Add term	<u>Duodenoplasty 46.79</u>
Add subterm	Embolization (transcatheter) <u>adhesive (glue) 39.79</u>
Add subterm	<u>head and neck 39.72</u>
Add subterm	arteriovenous fistula 39.53 <u>endovascular 39.72</u>
Add subterm	artery (selective) 38.80 by
Add subterm	<u>endovascular approach 39.79</u>
Add subterm	<u>head and neck vessels 39.72</u>
Add subterm	<u>AVM, intracranial, endovascular approach 39.72</u>
Add subterm	<u>chemoembolization 99.25</u>
Add subterm	<u>coil, endovascular 39.79</u>
Add subterm	<u>head and neck 39.72</u>
Add subterm	vein (selective) 38.80 by
Add subterm	<u>endovascular approach 39.79</u>
Add subterm	<u>head and neck 39.72</u>
Add subterm	Exploration – <i>see also</i> Incision <u>shunt</u>
Add subterm	<u>ventriculoperitoneal at</u>
Add subterm	<u>peritoneal site 54.95</u>
Add subterm	<u>ventricular site 02.41</u>
Add subterm	Fusion spinal (with graft)(with internal fixation)(with instrumentation) 81.00 <u>360 degree 81.61</u>

Add subterm Imaging (diagnostic)
intraoperative (iMRI) 88.96
magnetic resonance (nuclear) (proton) NEC 88.97
brain (brain stem) 88.91
Add subterm intraoperative (iMRI) 88.96
Add subterm real-time 88.96

Add term Immunoabsorption
Add subterm extracorporeal (ECI) 99.76

Implant, implantation
Add subterm bone morphogenetic protein (recombinant) (rhBMP) 84.52
Add subterm cardiac resynchronization device
Add subterm defibrillator (CRT-D) (total system) 00.51
Add subterm left ventricular coronary venous lead only 00.52
Add subterm pulse generator only 00.54
Add subterm pacemaker (CRT-P) (total system) 00.50
Add subterm left ventricular coronary venous lead only 00.52
Add subterm pulse generator only 00.53
Add subterm CRT-D (cardiac resynchronization defibrillator) 00.51
Add subterm left ventricular coronary venous lead only 00.52
Add subterm pulse generator only 00.54
Add subterm CRT-P (cardiac resynchronization pacemaker)00.50
Add subterm left ventricular coronary venous lead only 00.52
Add subterm pulse generator only 00.53

electrode(s)
cardiac (initial)(transvenous) 37.70
Add subterm left ventricular coronary venous system 00.52

pacemaker
cardiac (device) (initial) (permanent) (replacement) 37.80
Add subterm resynchronization device (CRT-P)
Add subterm device only (initial) (replacement) 00.53
Add subterm total system 00.50
Add subterm transvenous lead into left ventricular coronary
venous system 00.52

Add subterm Infusion (intra-arterial)(intravenous)
antibiotic

Add subterm oxazolidinone class 00.14
 antineoplastic agent (chemotherapeutic) 99.25
 Add subterm high-dose interleukin-2 99.28
 biological response modifier [BRM], antineoplastic agent 99.28
 Add subterm high-dose interleukin-2 99.28
 Add subterm drotrecogin alfa (activated) 00.11
 Add subterm human B-type natriuretic peptide (hBNP) 00.13
 Add subterm nesiritide 00.13
 Add subterm recombinant protein 00.11

Injection (into) (hypodermically) (intramuscularly) (intravenously)
 (acting locally or systemically)

Revise subterm ~~adhesion barrier gel 99.29~~ substance 99.77
 antibiotic 99.21
 Add subterm oxazolidinone class 00.14
 antineoplastic agent (chemotherapeutic) NEC 99.25
 Add subterm high-dose interleukin-2 99.28
 Revise subterm ~~barrier gel substance, adhesion 99.29~~ 99.77
 biological response modifier [BRM], antineoplastic agent 99.28
 Add subterm high-dose interleukin-2 99.28
 Revise subterm ~~gel, adhesion barrier – see Injection, adhesion barrier substance~~
 Add subterm human B-type natriuretic peptide (hBNP) 00.13
 Add subterm nesiritide 00.13

Insertion

Add subterm bone morphogenetic protein (recombinant) (rhBMP) 84.52
 Add subterm cardiac resynchronization device
 Add subterm defibrillator (CRT-D) (total system) 00.51
 Add subterm left ventricular coronary venous lead only 00.52
 Add subterm pulse generator only 00.54
 Add subterm pacemaker (CRT-P) (total system) 00.50
 Add subterm left ventricular coronary venous lead only 00.52
 Add subterm pulse generator only 00.53
 Add subterm CRT-D (cardiac resynchronization defibrillator) 00.51
 Add subterm left ventricular coronary venous lead only 00.52
 Add subterm pulse generator only 00.54
 Add subterm CRT-P (cardiac resynchronization pacemaker) 00.50
 Add subterm left ventricular coronary venous lead only 00.52
 Add subterm pulse generator only 00.53

electrode (s)

heart (initial) (transvenous) 37.70
 Add subterm left ventricular coronary venous system 00.52

Add subterm endograft(s), endovascular graft(s)
Add subterm endovascular, head and neck vessels 39.72
Add subterm endovascular, other vessels (for aneurysm) 39.79

Add subterm intra-arterial blood gas monitoring system 89.60

Add subterm nasogastric tube
Add subterm for
Add subterm decompression, intestinal 96.07
Add subterm feeding 96.6

Add subterm naso-intestinal tube 96.08

pacemaker
cardiac (device) (initial) (permanent)(replacement) 37.80
Add subterm resynchronization (CRT-P) (device)
Add subterm device only (initial) (replacement) 00.53
Add subterm total system 00.50
Add subterm transvenous lead into left ventricular coronary
venous system 00.52

Add subterm sensor
Add subterm intra-arterial, for continuous blood gas monitoring 89.60

spacer (cement) in joint – *see* category 80.0
Add subterm spine 84.51

Add subterm spine
Add subterm cage (BAK) 84.51
Add subterm spacer 84.51

stent(s) (stent graft)
Add subterm artery (bare) (bonded) (drug coated) (non-drug-eluting) 39.90
Add subterm coronary (bare) (bonded) (drug coated) (non-drug-eluting)
36.06
Add subterm drug-eluting 36.07
non-coronary vessel 39.90
Add subterm drug-eluting 00.55

tube – *see also* Catheterization and Intubation
Add subterm naso-intestinal 96.08

Add subterm Intubation – *see also* Catheterization and Insertion
 naso-intestinal 96.08

Add term Kasai portoenterostomy 51.37

Add term Laminoplasty, expansile 03.09

Lavage

Add subterm bronchus NEC 96.56
 diagnostic (endoscopic) bronchoalveolar lavage (BAL) 33.24

Add subterm lung (total)(whole) 33.99

Add subterm diagnostic (endoscopic) bronchoalveolar lavage (BAL) 33.24

Measurement

arterial blood gases 89.65

blood gases

arterial 89.65

Add subterm continuous intra-arterial 89.60

venous 89.66

systemic arterial

blood gases 89.65

Add subterm continuous intra-arterial 89.60

Monitoring

Add subterm continuous intra-arterial blood gas 89.60

Add term Neuroablation

Add subterm radiofrequency 04.2

Add term NIPS (non-invasive programmed electrical stimulation) 37.26

Occlusion

artery

Add subterm by endovascular approach - see Embolization, artery

vein

Add subterm by endovascular approach - see Embolization, vein

Add term Portoenterostomy (Kasai) 51.37

Relocation – *see also* Revision

Add subterm CRT-D pocket 37.99

Add subterm CRT-P pocket 37.79

Removal – *see also* Excision

Add subterm anal sphincter

Add subterm with revision 49.75

Add subterm without revision 49.76

Revise subterm cardiac pacemaker (device) (initial) (permanent) (cardiac resynchronization device, CRT-P) 37.89

with replacement

Add subterm cardiac resynchronization pacemaker (CRT-P)

Add subterm device only 00.53

Add subterm total system 00.50

Revise subterm cardioverter/defibrillator pulse generator without replacement (cardiac resynchronization defibrillator device (CRT-D)) 37.99

Repair

anal sphincter 49.79

Add subterm artificial sphincter

Add subterm implantation 49.75

Add subterm revision 49.75

aneurysm (false) (true) 39.52

by or with

Add subterm coil (endovascular approach) 39.79

Add subterm head and neck 39.72

endovascular graft 39.79

Add subterm head and neck 39.72

Add subterm liquid tissue adhesive (glue) 39.79

Add subterm endovascular approach 39.79

Add subterm head and neck 39.72

methyl methacrylate 39.52

Add subterm endovascular approach 39.79

Add subterm head and neck 39.72

occlusion 39.52

Add subterm endovascular approach 39.79

Add subterm head and neck 39.72

arteriovenous fistula 39.53

Add subterm by or with
 Add subterm coil (endovascular approach) 39.79
head and neck vessels 39.72
 occlusion 39.53
 Add subterm endovascular approach 39.79
 Add subterm head and neck 39.72
 artery NEC 39.59
 by
 Add subterm endovascular approach 39.79
 Add subterm head and neck 39.72
 blood vessel NEC 39.59
 peripheral vessel NEC 39.59
 Add subterm by endovascular approach 39.79
 fistula - *see also* Closure,fistula
 arteriovenous 39.53
 coagulation 39.53
 Add subterm endovascular approach 39.79
 Add subterm head and neck 39.72
 occlusion 39.53
 Add subterm endovascular approach 39.79
 Add subterm head and neck 39.72
 vein NEC 39.59
 by
 Add subterm endovascular approach 39.79
 Add subterm head and neck 39.72

Replacement

Add subterm cardiac resynchronization device
 Add subterm defibrillator (CRT-D) (total system) 00.51
 Add subterm left ventricular coronary venous lead only 00.52
 Add subterm pulse generator only 00.54
 Add subterm pacemaker (CRT-P) (total system) 00.50
 Add subterm left ventricular coronary venous lead only 00.52
 Add subterm pulse generator only 00.53
 Add subterm CRT-D (cardiac resynchronization defibrillator) 00.51
 Add subterm left ventricular coronary venous lead only 00.52
 Add subterm pulse generator only 00.54
 Add subterm CRT-P (cardiac resynchronization pacemaker) 00.50
 Add subterm left ventricular coronary venous lead only 00.52
 Add subterm pulse generator only 00.53

pacemaker

Add subterm cardiac device (initial) (permanent)
resynchronization – see Replacement,CRT-P

Add subterm	electrode(s), cardiac (atrial) (transvenous) (ventricular) 37.76 <u>left ventricular coronary venous system 00.52</u>
Add subterm	Stimulation (electronic) – see also Implant, electronic stimulator
Add subterm	<u>defibrillator</u>
Add subterm	<u>non-invasive programmed electrical stimulation (NIPS) 37.26</u>
	Therapy
	inhalation NEC 93.96
Add subterm	<u>nitric oxide 00.12</u>
Add subterm	<u>leech 99.99</u>
Add subterm	<u>maggot 86.28</u>
Change code	nitric oxide 93.98 <u>00.12</u>
	respiratory NEC 93.99
Change code	nitric oxide 93.98 <u>00.12</u>
Revise subterm	ultrasound 93.35
Add subterm	<u>heat therapy 93.35</u>
Add subterm	<u>physical therapy 93.35</u>
Add subterm	<u>therapeutic - see Ultrasound</u>
	Ultrasonography
Add subterm	<u>therapeutic - see Ultrasound</u>
	Ultrasound
Add subterm	<u>therapeutic</u>
Add subterm	<u>head 00.01</u>
Add subterm	<u>heart 00.02</u>
Add subterm	<u>neck 00.01</u>
Add subterm	<u>other therapeutic ultrasound 00.09</u>
Add subterm	<u>peripheral vascular vessels 00.03</u>
Add subterm	<u>vessels of head and neck 00.01</u>