

SJH Procedures - Cardiac and Cardiovascular Services

New Name	Old Name	CPT Code	Service
ABLATION AP			Cardiac, Cardiovascular
ABLATION, ARRHYTHMOGENIC FOCUS, FOR ATRIAL FIBRILLATION	ABLATION A-FIB	*33250 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); without cardiopulmonary bypass *33265 Endoscopy, surgical; operative tissue ablation and reconstruction of atria, limited (eg, modified maze procedure), without cardiopulmonary bypass *33266 Endoscopy, surgical; operative tissue ablation and reconstruction of atria, extensive (eg, maze procedure), without cardiopulmonary bypass 93653 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when n 93654 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when n	Cardiac, Cardiovascular
ABLATION, ARRHYTHMOGENIC FOCUS, FOR ATRIAL FLUTTER	ABLATION A-FLUTTER	*33250 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); without cardiopulmonary bypass *33251 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); with cardiopulmonary bypass	Cardiac, Cardiovascular
ABLATION, ARRHYTHMOGENIC FOCUS, FOR ATRIAL TACHYCARDIA	ABLATION ATRIAL TACHYCARDIA	*33250 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); without cardiopulmonary bypass *33251 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); with cardiopulmonary bypass	Cardiac, Cardiovascular
ABLATION, ARRHYTHMOGENIC FOCUS, FOR ATRIOVENTRICULAR NODAL REENTRY TACHYCARDIA	ABLATION AVNRT	*33250 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); without cardiopulmonary bypass *33251 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); with cardiopulmonary bypass	Cardiac, Cardiovascular
ABLATION, ARRHYTHMOGENIC FOCUS, FOR PREMATURE VENTRICULAR CONTRACTIONS	ABLATION PVC	*33261 Operative ablation of ventricular arrhythmogenic focus with cardiopulmonary bypass	Cardiac, Cardiovascular

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ABLATION, ARRHYTHMOGENIC FOCUS, FOR SUPRAVENTRICULAR TACHYCARDIA BY INTRACARDIAC CATHETER	ABLATION SVT	*33250 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); without cardiopulmonary bypass	Cardiac, Cardiovascular
		93653 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when n	
ABLATION, ARRHYTHMOGENIC FOCUS, FOR VENTRICULAR TACHYCARDIA	ABLATION VT	*33261 Operative ablation of ventricular arrhythmogenic focus with cardiopulmonary bypass	Cardiac, Cardiovascular
		93654 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when n	
ABLATION, ARRHYTHMOGENIC FOCUS, FOR WOLFF-PARKINSON-WHITE SYNDROME	ABLATION WPW	*33250 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); without cardiopulmonary bypass	Cardiac, Cardiovascular
		*33251 Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); with cardiopulmonary bypass	
ABLATION, ATRIOVENTRICULAR (AV) NODE	ABLATION AV NODE	93650 Intracardiac catheter ablation of atrioventricular node function, atrioventricular conduction for creation of complete heart block, with or without temporary pacemaker placement	Cardiac, Cardiovascular
ABLATION, TISSUE, CARDIAC SEPTUM, USING ALCOHOL	ABLATION ASA	*93583 Percutaneous transcatheter septal reduction therapy (eg, alcohol septal ablation) including temporary pacemaker insertion when performed	Cardiac, Cardiovascular
ANGIOGRAM, BRACHIOCEPHALIC	ANGIOGRAM INNOMINATE	36215 Selective catheter placement, arterial system; each first order thoracic or brachiocephalic branch, within a vascular family	Cardiac, Cardiovascular
		75710 Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAM, BYPASS GRAFT, RADIAL	ANGIOGRAM RADIAL BYPASS GRAFT	93455 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	Cardiac, Cardiovascular
ANGIOGRAM, BYPASS GRAFT	ANGIOGRAM ARTERIAL BYPASS GRAFT	93455 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	Cardiac, Cardiovascular
		93457 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	

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ANGIOGRAM, BYPASS GRAFT	ANGIOGRAM ARTERIAL BYPASS GRAFT	93459 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	Cardiac, Cardiovascular
		93461 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) fo	
ANGIOGRAM, CEREBRAL	ANGIOGRAM CEREBRAL	36221 Non-selective catheter placement, thoracic aorta, with angiography of the extracranial carotid, vertebral, and/or intracranial vessels, unilateral or bilateral, and all associated radiological supervision and interpretation, includes angiography of the ce	Cardiac, Cardiovascular
		36222 Selective catheter placement, common carotid or innominate artery, unilateral, any approach, with angiography of the ipsilateral extracranial carotid circulation and all associated radiological supervision and interpretation, includes angiography of the c	
		36223 Selective catheter placement, common carotid or innominate artery, unilateral, any approach, with angiography of the ipsilateral intracranial carotid circulation and all associated radiological supervision and interpretation, includes angiography of the e	
		36224 Selective catheter placement, internal carotid artery, unilateral, with angiography of the ipsilateral intracranial carotid circulation and all associated radiological supervision and interpretation, includes angiography of the extracranial carotid and ce	
		36225 Selective catheter placement, subclavian or innominate artery, unilateral, with angiography of the ipsilateral vertebral circulation and all associated radiological supervision and interpretation, includes angiography of the cervicocerebral arch, when per	
		36226 Selective catheter placement, vertebral artery, unilateral, with angiography of the ipsilateral vertebral circulation and all associated radiological supervision and interpretation, includes angiography of the cervicocerebral arch, when performed	
ANGIOGRAM, CORONARY SINUS	ANGIOGRAM CORONARY SINUS	93799 Unlisted cardiovascular service or procedure	Cardiac, Cardiac/Open Heart, Cardiovascular
ANGIOGRAM, INFERIOR MESENTERIC	ANGIOGRAM INFERIOR MESENTERIC	36245 Selective catheter placement, arterial system; each first order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75726 Angiography, visceral, selective or supraseductive (with or without flush aortogram), radiological supervision and interpretation	

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ANGIOGRAM, INFRAPOPLITEAL	ANGIOGRAM INFRAPOPLITEAL	36247 Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		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 p	
		75710 Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAM, LOWER EXTREMITY	ANGIOGRAM LOWER EXTREMITY	36140 Introduction of needle or intracatheter, upper or lower extremity artery	Cardiac, Cardiovascular
		36245 Selective catheter placement, arterial system; each first order abdominal, pelvic, or lower extremity artery branch, within a vascular family	
		36246 Selective catheter placement, arterial system; initial second order abdominal, pelvic, or lower extremity artery branch, within a vascular family	
		36247 Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family	
		36248 Selective catheter placement, arterial system; additional second order, third order, and beyond, abdominal, pelvic, or lower extremity artery branch, within a vascular family (List in addition to code for initial second or third order vessel as appropriat	
		75710 Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAM, RENAL	ANGIOGRAM RENAL	36251 Selective catheter placement (first-order), main renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture and catheter placement(s), fluoroscopy, contrast injection(s), image postprocessing, permanent recording of	Cardiac, Cardiovascular
		36252 Selective catheter placement (first-order), main renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture and catheter placement(s), fluoroscopy, contrast injection(s), image postprocessing, permanent recording of	
		36253 Superselective catheter placement (one or more second order or higher renal artery branches) renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture, catheterization, fluoroscopy, contrast injection(s), image post	
		36254 Superselective catheter placement (one or more second order or higher renal artery branches) renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture, catheterization, fluoroscopy, contrast injection(s), image post	

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ANGIOGRAM, SUBCLAVIAN VESSEL	ANGIOGRAM SUBCLAVIAN	36225 Selective catheter placement, subclavian or innominate artery, unilateral, with angiography of the ipsilateral vertebral circulation and all associated radiological supervision and interpretation, includes angiography of the cervicocerebral arch, when per	Cardiac, Cardiovascular
		75710 Angiography, extremity, unilateral, radiological supervision and interpretation	
		75716 Angiography, extremity, bilateral, radiological supervision and interpretation	
ANGIOGRAM, UPPER EXTREMITY	ANGIOGRAM UPPER EXTREMITY	36215 Selective catheter placement, arterial system; each first order thoracic or brachiocephalic branch, within a vascular family	Cardiac, Cardiovascular
		36216 Selective catheter placement, arterial system; initial second order thoracic or brachiocephalic branch, within a vascular family	
		36217 Selective catheter placement, arterial system; initial third order or more selective thoracic or brachiocephalic branch, within a vascular family	
		75710 Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAM, USING PRESSURE WIRE, WITH LASER-ASSISTED ANGIOPLASTY	PERIPHERAL LASER INTERVENTION		Cardiac, Cardiovascular
ANGIOGRAM, VASCULAR BYPASS GRAFT	BYPASS GRAFT STUDY	93455 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	Cardiac, Cardiac/Open Heart, Cardiovascular
		93457 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	
		93459 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	
		93461 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) fo	
ANGIOGRAM, VERTEBRAL VESSEL	ANGIOGRAM VERTEBRAL	36221 Non-selective catheter placement, thoracic aorta, with angiography of the extracranial carotid, vertebral, and/or intracranial vessels, unilateral or bilateral, and all associated radiological supervision and interpretation, includes angiography of the ce	Cardiac, Cardiovascular

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ANGIOGRAM, VERTEBRAL VESSEL	ANGIOGRAM VERTEBRAL	36225	Selective catheter placement, subclavian or innominate artery, unilateral, with angiography of the ipsilateral vertebral circulation and all associated radiological supervision and interpretation, includes angiography of the cervicocerebral arch, when per	Cardiac, Cardiovascular
		36226	Selective catheter placement, vertebral artery, unilateral, with angiography of the ipsilateral vertebral circulation and all associated radiological supervision and interpretation, includes angiography of the cervicocerebral arch, when performed	
		36228	Selective catheter placement, each intracranial branch of the internal carotid or vertebral arteries, unilateral, with angiography of the selected vessel circulation and all associated radiological supervision and interpretation (eg, middle cerebral arter	
ANGIOGRAM, WITH COIL EMBOLIZATION IF INDICATED	ANGIOGRAM W POSSIBLE COIL EMBOLIZATION	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 ma	Cardiovascular, Vascular
		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 acquire	
		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	
		61624	Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord)	
		61626	Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch)	
ANGIOGRAM	ANGIOGRAM NON-SPECIFIC			Cardiac, Cardiovascular
ANGIOGRAPHY, ANTERIOR TIBIAL	ANGIOGRAPHY ANTERIOR TIBIAL	36247	Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75710	Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, AORTIC ARCH	ANGIOGRAPHY AORTIC ARCH	36200	Introduction of catheter, aorta	Cardiac, Cardiovascular

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ANGIOGRAPHY, AORTIC ARCH	ANGIOGRAPHY AORTIC ARCH	36215	Selective catheter placement, arterial system; each first order thoracic or brachiocephalic branch, within a vascular family	Cardiac, Cardiovascular
		36216	Selective catheter placement, arterial system; initial second order thoracic or brachiocephalic branch, within a vascular family	
		36217	Selective catheter placement, arterial system; initial third order or more selective thoracic or brachiocephalic branch, within a vascular family	
		75600	Aortography, thoracic, without serialography, radiological supervision and interpretation	
ANGIOGRAPHY, COMMON FEMORAL ARTERY	ANGIOGRAPHY COMMON FEMORAL ARTERY	36246	Selective catheter placement, arterial system; initial second order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75710	Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, COMMON ILIAC ARTERY	ANGIOGRAPHY COMMON ILIAC ARTERY	36245	Selective catheter placement, arterial system; each first order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75710	Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, CORONARY, WITH HEART VALVE ASSESSMENT	ANGIOGRAPHY VALVE ASSESSMENT	93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;	Cardiac, Cardiac/Open Heart, Cardiovascular
ANGIOGRAPHY, CORONARY	ANGIOGRAPHY CORONARY	93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;	Cardiac, Cardiovascular
		93455	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	
		93456	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right heart catheterization	
		93457	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	
		93458	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	

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ANGIOGRAPHY, CORONARY	ANGIOGRAPHY CORONARY	93459 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	Cardiac, Cardiovascular
		93460 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) fo	
		93461 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) fo	
		93563 Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective coronary angiography during congenital heart catheterization (List separately in addition to code for primary procedure)	
		93564 Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective opacification of aortocoronary venous or arterial bypass graft(s) (eg, aortocoronary saphenous vein, free radial artery, or free ma	
ANGIOGRAPHY, DEEP FEMORAL ARTERY	ANGIOGRAPHY DEEP FEMORAL ARTERY	36247 Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75710 Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, EXTERNAL ILIAC ARTERY	ANGIOGRAPHY EXTERNAL ILIAC ARTERY	36246 Selective catheter placement, arterial system; initial second order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75710 Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, INTERNAL ILIAC ARTERY	ANGIOGRAPHY INTERNAL ILIAC ARTERY	36246 Selective catheter placement, arterial system; initial second order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75710 Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, PERIPHERAL	ANGIOGRAPHY PERIPHERAL	36245 Selective catheter placement, arterial system; each first order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		36246 Selective catheter placement, arterial system; initial second order abdominal, pelvic, or lower extremity artery branch, within a vascular family	
		36247 Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family	

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ANGIOGRAPHY, PERIPHERAL	ANGIOGRAPHY PERIPHERAL	36248	Selective catheter placement, arterial system; additional second order, third order, and beyond, abdominal, pelvic, or lower extremity artery branch, within a vascular family (List in addition to code for initial second or third order vessel as appropriate)	Cardiac, Cardiovascular
		75710	Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, PERONEAL ARTERY	ANGIOGRAPHY PERONEAL ARTERY	36247	Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75710	Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, POPLITEAL ARTERY	ANGIOGRAPHY POPLITEAL ARTERY	36247	Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75710	Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, POSTERIOR TIBIAL ARTERY	ANGIOGRAPHY POSTERIOR TIBIAL ARTERY	36247	Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75710	Angiography, extremity, unilateral, radiological supervision and interpretation	
ANGIOGRAPHY, PULMONARY, UNILATERAL, SELECTIVE	ANGIOGRAPHY PULMONARY UNILATERAL	36014	Selective catheter placement, left or right pulmonary artery	Cardiac, Cardiac/Open Heart, Cardiovascular
		36015	Selective catheter placement, segmental or subsegmental pulmonary artery	
		75741	Angiography, pulmonary, unilateral, selective, radiological supervision and interpretation	
ANGIOGRAPHY, PULMONARY	ANGIOGRAPHY PULMONARY	36013	Introduction of catheter, right heart or main pulmonary artery	Cardiac, Cardiovascular
		36014	Selective catheter placement, left or right pulmonary artery	
		36015	Selective catheter placement, segmental or subsegmental pulmonary artery	
		75741	Angiography, pulmonary, unilateral, selective, radiological supervision and interpretation	
		75743	Angiography, pulmonary, bilateral, selective, radiological supervision and interpretation	
		75746	Angiography, pulmonary, by nonselective catheter or venous injection, radiological supervision and interpretation	
		93568	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for pulmonary angiography (List separately in addition to code for primary procedure)	
ANGIOGRAPHY, RIGHT VENTRICLE	ANGIOGRAPHY RIGHT VENTRICLE	93566	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective right ventricular or right atrial angiography (List separately in addition to code for primary procedure)	Cardiac, Cardiovascular

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ANGIOGRAPHY, SAPHENOUS VEIN GRAFT	ANGIOGRAPHY SAPHENOUS VEIN GRAFT	93455 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	Cardiac, Cardiovascular
ANGIOGRAPHY, SUPERFICIAL FEMORAL ARTERY	ANGIOGRAPHY SUPERFICIAL FEMORAL ARTERY	36247 Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family 75710 Angiography, extremity, unilateral, radiological supervision and interpretation	Cardiac, Cardiovascular
ANGIOGRAPHY, SUPERIOR MESENTERIC ARTERY	ANGIOGRAPHY SUPERIOR MESENTERIC ARTERY	36245 Selective catheter placement, arterial system; each first order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
ANGIOGRAPHY, TIBIOPERONEAL ARTERIAL VESSEL	ANGIOGRAPHY TIBIO-PERONEAL ARTERY	36247 Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family 75710 Angiography, extremity, unilateral, radiological supervision and interpretation	Cardiac, Cardiovascular
ANGIOPLASTY, BYPASS GRAFT	ANGIOPLASTY BYPASS GRAFT	92937 Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; single vesse 92938 Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; each additio *92941 Percutaneous transluminal revascularization of acute total/subtotal occlusion during acute myocardial infarction, coronary artery or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty, including aspiration th 92943 Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; single vessel 92944 Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; each additional coronary artery, coronar	Cardiac, Cardiovascular
ANGIOPLASTY, CORONARY ARTERY	ANGIOPLASTY CORONARY	92920 Percutaneous transluminal coronary angioplasty; single major coronary artery or branch 92921 Percutaneous transluminal coronary angioplasty; each additional branch of a major coronary artery (list separately in addition to code for primary procedure)	Cardiac, Cardiovascular
ANGIOPLASTY, PERIPHERAL BLOOD VESSEL	ANGIOPLASTY PERIPHERAL	37220 Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal angioplasty	Cardiac, Cardiovascular

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ANGIOPLASTY, PERIPHERAL BLOOD VESSEL	ANGIOPLASTY PERIPHERAL	37221	Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	Cardiac, Cardiovascular
		37222	Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)	
		37224	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal angioplasty	
		37228	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal angioplasty	
		37232	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)	
		37236	Transcatheter placement of an intravascular stent(s) (except lower extremity artery(s) for occlusive disease, cervical carotid, extracranial vertebral or intrathoracic carotid, intracranial, or coronary), open or percutaneous, including radiological super	
		37238	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	
		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 p	
		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	
AORTOGRAM, ABDOMINAL, WITH BILATERAL RUNOFF	AORTOGRAM ABDOMINAL WITH BILATERAL RUNOFFS	36200	Introduction of catheter, aorta	Cardiac, Cardiovascular
		75630	Aortography, abdominal plus bilateral iliofemoral lower extremity, catheter, by serialography, radiological supervision and interpretation	
AORTOGRAM, ABDOMINAL	AORTOGRAPHY ABDOMINAL	36200	Introduction of catheter, aorta	Cardiac, Cardiovascular
		75625	Aortography, abdominal, by serialography, radiological supervision and interpretation	
AORTOGRAM, AORTIC ARCH	AORTOGRAPHY AORTIC ARCH	36200	Introduction of catheter, aorta	Cardiac, Cardiovascular
		36215	Selective catheter placement, arterial system; each first order thoracic or brachiocephalic branch, within a vascular family	
		36216	Selective catheter placement, arterial system; initial second order thoracic or brachiocephalic branch, within a vascular family	

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AORTOGRAM, AORTIC ARCH	AORTOGRAPHY AORTIC ARCH	36217	Selective catheter placement, arterial system; initial third order or more selective thoracic or brachiocephalic branch, within a vascular family	Cardiac, Cardiovascular
		75600	Aortography, thoracic, without serialography, radiological supervision and interpretation	
AORTOGRAM, ASCENDING	AORTOGRAPHY ASCENDING	36200	Introduction of catheter, aorta	Cardiac, Cardiovascular
		75605	Aortography, thoracic, by serialography, radiological supervision and interpretation	
		75625	Aortography, abdominal, by serialography, radiological supervision and interpretation	
AORTOGRAM, DESCENDING	AORTOGRAPHY DESCENDING AORTA	36200	Introduction of catheter, aorta	Cardiac, Cardiovascular
		75605	Aortography, thoracic, by serialography, radiological supervision and interpretation	
		75625	Aortography, abdominal, by serialography, radiological supervision and interpretation	
AORTOGRAM, THORACIC	AORTOGRAPHY THORACIC	36200	Introduction of catheter, aorta	Cardiac, Cardiovascular
		75600	Aortography, thoracic, without serialography, radiological supervision and interpretation	
		75605	Aortography, thoracic, by serialography, radiological supervision and interpretation	
AORTOGRAM	AORTOGRAPHY	36200	Introduction of catheter, aorta	Cardiac, Cardiovascular
		75600	Aortography, thoracic, without serialography, radiological supervision and interpretation	
		75605	Aortography, thoracic, by serialography, radiological supervision and interpretation	
		75625	Aortography, abdominal, by serialography, radiological supervision and interpretation	
		75630	Aortography, abdominal plus bilateral iliofemoral lower extremity, catheter, by serialography, radiological supervision and interpretation	
		93567	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for supravalvular aortography (List separately in addition to code for primary procedure)	
AORTOGRAPHY SUPRARENAL			Cardiac, Cardiovascular	
ARTERIOGRAM, AORTIC ROOT	AORTOGRAM AORTIC ROOT	93567	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for supravalvular aortography (List separately in addition to code for primary procedure)	Cardiac, Cardiovascular
ARTERIOGRAM, AORTIC ROOT	AORTOGRAPHY AORTIC ROOT	93567	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for supravalvular aortography (List separately in addition to code for primary procedure)	Cardiac, Cardiovascular
ARTERIOGRAM, CAROTID	ANGIOGRAM CAROTID	36222	Selective catheter placement, common carotid or innominate artery, unilateral, any approach, with angiography of the ipsilateral extracranial carotid circulation and all associated radiological supervision and interpretation, includes angiography of the c	Cardiac, Cardiovascular

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New Name	Old Name	CPT Code	Service
ARTERIOGRAM, CAROTID	ANGIOGRAM CAROTID	36223 Selective catheter placement, common carotid or innominate artery, unilateral, any approach, with angiography of the ipsilateral intracranial carotid circulation and all associated radiological supervision and interpretation, includes angiography of the e	Cardiac, Cardiovascular
		36224 Selective catheter placement, internal carotid artery, unilateral, with angiography of the ipsilateral intracranial carotid circulation and all associated radiological supervision and interpretation, includes angiography of the extracranial carotid and ce	
ARTERIOGRAM, CELIAC	ANGIOGRAM CELIAC	36245 Selective catheter placement, arterial system; each first order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Cardiac, Cardiovascular
		75726 Angiography, visceral, selective or supraselective (with or without flush aortogram), radiological supervision and interpretation	
ARTERIOGRAM, INTERNAL THORACIC, LEFT	ANGIOGRAM LEFT INTERNAL MAMMARY ARTERY	36216 Selective catheter placement, arterial system; initial second order thoracic or brachiocephalic branch, within a vascular family	Cardiac, Cardiovascular
		75756 Angiography, internal mammary, radiological supervision and interpretation	
ARTERIOGRAM, INTERNAL THORACIC, RIGHT	ANGIOGRAM RIGHT INTERNAL MAMMARY ARTERY	36217 Selective catheter placement, arterial system; initial third order or more selective thoracic or brachiocephalic branch, within a vascular family	Cardiac, Cardiovascular
		75756 Angiography, internal mammary, radiological supervision and interpretation	
ARTERIOGRAM, INTERNAL THORACIC	ANGIOGRAM INTERNAL MAMMARY ARTERY	36215 Selective catheter placement, arterial system; each first order thoracic or brachiocephalic branch, within a vascular family	Cardiac, Cardiovascular
		36216 Selective catheter placement, arterial system; initial second order thoracic or brachiocephalic branch, within a vascular family	
		36217 Selective catheter placement, arterial system; initial third order or more selective thoracic or brachiocephalic branch, within a vascular family	
		36218 Selective catheter placement, arterial system; additional second order, third order, and beyond, thoracic or brachiocephalic branch, within a vascular family (List in addition to code for initial second or third order vessel as appropriate)	
ARTERIOGRAM, RENAL	AORTOGRAPHY INFRAENAL	36251 Selective catheter placement (first-order), main renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture and catheter placement(s), fluoroscopy, contrast injection(s), image postprocessing, permanent recording of	Cardiac, Cardiovascular
		36252 Selective catheter placement (first-order), main renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture and catheter placement(s), fluoroscopy, contrast injection(s), image postprocessing, permanent recording of	

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New Name	Old Name	CPT Code	Service	
ARTERIOGRAM, RENAL	AORTOGRAPHY INFRAENAL	36253	Superseleative catheter placement (one or more second order or higher renal artery branches) renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture, catheterization, fluoroscopy, contrast injection(s), image post	Cardiac, Cardiovascular
		36254	Superseleative catheter placement (one or more second order or higher renal artery branches) renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture, catheterization, fluoroscopy, contrast injection(s), image post	
ASSESSMENT, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD)	ICD CHECK	93640	Electrophysiologic evaluation of single or dual chamber pacing cardioverter-defibrillator leads including defibrillation threshold evaluation (induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination) at time of initial implant	Cardiac, Cardiac/Open Heart, Cardiovascular
		93641	Electrophysiologic evaluation of single or dual chamber pacing cardioverter-defibrillator leads including defibrillation threshold evaluation (induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination) at time of initial implant	
		93642	Electrophysiologic evaluation of single or dual chamber transvenous pacing cardioverter-defibrillator (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination, and programming or r	
		93644	Electrophysiologic evaluation of subcutaneous implantable defibrillator (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic pa	
ATHERECTOMY, BYPASS GRAFT	ATHERECTOMY BYPASS GRAFT	92937	Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; single vesse	Cardiac, Cardiovascular
		92938	Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; each additio	
		*92941	Percutaneous transluminal revascularization of acute total/subtotal occlusion during acute myocardial infarction, coronary artery or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty, including aspiration th	
		92943	Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; single vessel	

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New Name	Old Name	CPT Code	Service
ATHERECTOMY, BYPASS GRAFT	ATHERECTOMY BYPASS GRAFT	92944 Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; each additional coronary artery, coronar	Cardiac, Cardiovascular
ATHERECTOMY, CORONARY, TRANSLUMINAL	ATHERECTOMY CORONARY	92924 Percutaneous transluminal coronary atherectomy, with coronary angioplasty when performed; single major coronary artery or branch	Cardiac, Cardiovascular
		92925 Percutaneous transluminal coronary atherectomy, with coronary angioplasty when performed; each additional branch of a major coronary artery (list separately in addition to code for primary procedure)	
		92933 Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed; single major coronary artery or branch	
		92934 Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed; each additional branch of a major coronary artery (list separately in addition to code for primary procedure)	
		92937 Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; single vesse	
		92938 Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; each additio	
		*92941 Percutaneous transluminal revascularization of acute total/subtotal occlusion during acute myocardial infarction, coronary artery or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty, including aspiration th	
		92943 Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; single vessel	
		92944 Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; each additional coronary artery, coronar	
ATHERECTOMY, PERIPHERAL BLOOD VESSEL	ATHERECTOMY PERIPHERAL	0237T Transluminal peripheral atherectomy, open or percutaneous, including radiological supervision and interpretation; brachiocephalic trunk and branches, each vessel	Cardiac, Cardiovascular
		0238T Transluminal peripheral atherectomy, open or percutaneous, including radiological supervision and interpretation; iliac artery, each vessel	

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New Name	Old Name	CPT Code	Service	
ATHERECTOMY, PERIPHERAL BLOOD VESSEL	ATHERECTOMY PERIPHERAL	37225	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with atherectomy, includes angioplasty within the same vessel, when performed	Cardiac, Cardiovascular
		37227	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed	
		37229	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with atherectomy, includes angioplasty within the same vessel, when performed	
		37231	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed	
		37233	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)	
		37235	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed (List separately in additi	
BIOPSY OR EXCISION, LESION, FACE AND NECK, 2 OR MORE	EXCISE/BIOPSY (MASS/LESION/LIPOMA/CYST) MULTIPLE FACE/NECK	11102	Tangential biopsy of skin (eg, shave, scoop, saucerize, curette); single lesion	Aesthetics, Cardiovascular, ENT, General, Gynecology, Maxillofacial, Orthopedics, Plastics, Thoracic, Urology, Vascular
		11103	Tangential biopsy of skin (eg, shave, scoop, saucerize, curette); each separate/additional lesion (list separately in addition to code for primary procedure)	
		11104	Punch biopsy of skin (including simple closure, when performed); single lesion	
		11105	Punch biopsy of skin (including simple closure, when performed); each separate/additional lesion (list separately in addition to code for primary procedure)	
		11106	Incisional biopsy of skin (eg, wedge) (including simple closure, when performed); single lesion	
		11107	Incisional biopsy of skin (eg, wedge) (including simple closure, when performed); each separate/additional lesion (list separately in addition to code for primary procedure)	
		BIOPSY OR EXCISION, LESION, FACE AND NECK, USING CO2 LASER	EXCISE/BIOPSY(MASS/LESION/LIPOMA/CYST) FACE/NECK W CO2 LASER	
11104	Punch biopsy of skin (including simple closure, when performed); single lesion			

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New Name	Old Name	CPT Code	Service
BIOPSY OR EXCISION, LESION, FACE AND NECK, USING CO2 LASER	EXCISE/BIOPSY(MASS/LESION/LIPOMA/CYST) FACE/NECK W CO2 LASER	11106 Incisional biopsy of skin (eg, wedge) (including simple closure, when performed); single lesion	Aesthetics, Cardiovascular, Colorectal, ENT, General, Maxillofacial, Orthopedics, Plastics, Spine, Thoracic, Urology, Vascular
		17000 Destruction (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), premalignant lesions (eg, actinic keratoses); first lesion	
BIOPSY OR EXCISION, LESION, LOWER BODY, 2 OR MORE	EXCISE/BIOPSY (MASS/LESION/LIPOMA/CYST) MULTIPLE LOWER BODY	11400 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 0.5 cm or less	Aesthetics, Cardiovascular, Colorectal, ENT, General, Gynecology, Maxillofacial, Orthopedics, Plastics, Podiatry, Thoracic, Urology, Vascular
		11401 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 0.6 to 1.0 cm	
		11402 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 1.1 to 2.0 cm	
		11403 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 2.1 to 3.0 cm	
		11404 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 3.1 to 4.0 cm	
		11406 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter over 4.0 cm	
		11600 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 0.5 cm or less	
		11601 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 0.6 to 1.0 cm	
		11602 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 1.1 to 2.0 cm	
		11603 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 2.1 to 3.0 cm	
		11604 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 3.1 to 4.0 cm	
		11606 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter over 4.0 cm	
		27040 Biopsy, soft tissue of pelvis and hip area; superficial	
		27041 Biopsy, soft tissue of pelvis and hip area; deep, subfascial or intramuscular	
		27323 Biopsy, soft tissue of thigh or knee area; superficial	
27324 Biopsy, soft tissue of thigh or knee area; deep (subfascial or intramuscular)			
27613 Biopsy, soft tissue of leg or ankle area; superficial			

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New Name	Old Name	CPT Code	Service
BIOPSY OR EXCISION, LESION, LOWER BODY, 2 OR MORE	EXCISE/BIOPSY (MASS/LESION/LIPOMA/CYST) MULTIPLE LOWER BODY	27614 Biopsy, soft tissue of leg or ankle area; deep (subfascial or intramuscular)	Aesthetics, Cardiovascular, Colorectal, ENT, General, Gynecology, Maxillofacial, Orthopedics, Plastics, Podiatry, Thoracic, Urology, Vascular
BIOPSY, ENDOMYOCARDIUM	BIOPSY ENDOMYOCARDIAL	93505 Endomyocardial biopsy	Cardiac, Cardiovascular
BIOPSY, MYOCARDIUM, WITH ECHOCARDIOGRAPHIC GUIDANCE	ECHOCARDIOGRAM MYOCARDIAL BIOPSY	76932 Ultrasonic guidance for endomyocardial biopsy, imaging supervision and interpretation	Cardiac, Cardiovascular
		93505 Endomyocardial biopsy	
CARDIAC ELECTROPHYSIOLOGY STUDY	EP STUDY	93619 Comprehensive electrophysiologic evaluation with right atrial pacing and recording, right ventricular pacing and recording, His bundle recording, including insertion and repositioning of multiple electrode catheters, without induction or attempted inducti	Cardiac, Cardiovascular
		93620 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with right atrial pacing and recording, right ventricular pacing and recording, His bund	
		93621 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left atrial pacing and recording from coronary sinus or left atrium (List separatel	
		93622 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left ventricular pacing and recording (List separately in addition to code for prim	
		93624 Electrophysiologic follow-up study with pacing and recording to test effectiveness of therapy, including induction or attempted induction of arrhythmia	
		93640 Electrophysiologic evaluation of single or dual chamber pacing cardioverter-defibrillator leads including defibrillation threshold evaluation (induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination) at time of initial implant	
		93641 Electrophysiologic evaluation of single or dual chamber pacing cardioverter-defibrillator leads including defibrillation threshold evaluation (induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination) at time of initial implant	
		93642 Electrophysiologic evaluation of single or dual chamber transvenous pacing cardioverter-defibrillator (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination, and programming or r	

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New Name	Old Name	CPT Code	Service	
CARDIAC ELECTROPHYSIOLOGY STUDY	EP STUDY	93644	Electrophysiologic evaluation of subcutaneous implantable defibrillator (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic pa	Cardiac, Cardiovascular
		93653	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when n	
		93654	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when n	
		93656	Comprehensive electrophysiologic evaluation including transeptal catheterizations, insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia including left or right atrial pacing/recording when nec	
CARDIAC MAPPING, USING 3D ELECTROANATOMIC MAPPING SYSTEM	3D MAPPING	93613	Intracardiac electrophysiologic 3-dimensional mapping (List separately in addition to code for primary procedure)	Cardiac, Cardiovascular
CARDIAC VENTRICULOGAM, LEFT VENTRICLE	VENTRICULOGRAPHY LEFT	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	Cardiac, Cardiovascular
		93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	
		93458	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	
		93459	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	
		93460	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) fo	
		93461	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) fo	

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New Name	Old Name	CPT Code	Service
CARDIAC VENTRICULOGAM, LEFT VENTRICLE	VENTRICULOGRAPHY LEFT	93565 Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective left ventricular or left atrial angiography (List separately in addition to code for primary procedure)	Cardiac, Cardiovascular
CARDIAC VENTRICULOGAM, RIGHT VENTRICLE	VENTRICULOGRAPHY RIGHT	93566 Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective right ventricular or right atrial angiography (List separately in addition to code for primary procedure)	Cardiac, Cardiovascular
CARDIOVERSION / DEFIBRILLATION, INTRAPROCEDURE	CARDIOVERSION / DEFIBRILLATION INTRAPROCEDURE	92960 Cardioversion, elective, electrical conversion of arrhythmia; external 92961 Cardioversion, elective, electrical conversion of arrhythmia; internal (separate procedure)	Cardiac, Cardiovascular
CARDIOVERSION, INTRAOPERATIVE		92960 Cardioversion, elective, electrical conversion of arrhythmia; external 92961 Cardioversion, elective, electrical conversion of arrhythmia; internal (separate procedure)	Cardiac, Cardiovascular
CARDIOVERSION, WITH TRANSESOPHAGEAL ECHOCARDIOGRAM	PACU ADD ON CARDIOVERSION WITH TRANSESOPHAGEAL ECHO IP	92960 Cardioversion, elective, electrical conversion of arrhythmia; external 92961 Cardioversion, elective, electrical conversion of arrhythmia; internal (separate procedure) 93312 Echocardiography, transesophageal, real-time with image documentation (2d) (with or without m-mode recording); including probe placement, image acquisition, interpretation and report 93313 Echocardiography, transesophageal, real-time with image documentation (2d) (with or without m-mode recording); placement of transesophageal probe only 93314 Echocardiography, transesophageal, real-time with image documentation (2d) (with or without m-mode recording); image acquisition, interpretation and report only 93315 Transesophageal echocardiography for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report 93316 Transesophageal echocardiography for congenital cardiac anomalies; placement of transesophageal probe only 93317 Transesophageal echocardiography for congenital cardiac anomalies; image acquisition, interpretation and report only 93318 Echocardiography, transesophageal (TEE) for monitoring purposes, including probe placement, real time 2-dimensional image acquisition and interpretation leading to ongoing (continuous) assessment of (dynamically changing) cardiac pumping function and to t	Cardiac
CARDIOVERSION	CARDIOVERSION - INVASIVE CARDIOLOGY	92960 Cardioversion, elective, electrical conversion of arrhythmia; external 92961 Cardioversion, elective, electrical conversion of arrhythmia; internal (separate procedure)	Cardiac, Cardiac/Open Heart, Cardiovascular
CARDIOVERSION	PACU ADD ON CARDIOVERSION IP	92960 Cardioversion, elective, electrical conversion of arrhythmia; external	Cardiac

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New Name	Old Name	CPT Code	Service
CARDIOVERSION	PACU ADD ON CARDIOVERSION IP	92961 Cardioversion, elective, electrical conversion of arrhythmia; internal (separate procedure)	Cardiac
CATHETERIZATION, HEART, LEFT	LEFT HEART CATHETERIZATION	93452 Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	Cardiac, Cardiovascular
		93458 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	
		93459 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	
		93462 Left heart catheterization by transseptal puncture through intact septum or by transapical puncture (List separately in addition to code for primary procedure)	
CATHETERIZATION, HEART, RIGHT	RIGHT HEART CATHETERIZATION		Cardiac, Cardiovascular
CATHETERIZATION, HEART	CARDIAC CATHETERIZATION	93451 Right heart catheterization including measurement(s) of oxygen saturation and cardiac output, when performed	Cardiac, Cardiovascular
		93452 Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	
		93453 Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	
		93454 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;	
		93455 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	
		93456 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right heart catheterization	
		93457 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, ven	
		93458 Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	

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New Name	Old Name	CPT Code	Service	
CATHETERIZATION, HEART	CARDIAC CATHETERIZATION	93459	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ven	Cardiac, Cardiovascular
		93460	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) fo	
		93461	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) fo	
		93530	Right heart catheterization, for congenital cardiac anomalies	
		93531	Combined right heart catheterization and retrograde left heart catheterization, for congenital cardiac anomalies	
		93532	Combined right heart catheterization and transseptal left heart catheterization through intact septum with or without retrograde left heart catheterization, for congenital cardiac anomalies	
		93533	Combined right heart catheterization and transseptal left heart catheterization through existing septal opening, with or without retrograde left heart catheterization, for congenital cardiac anomalies	
		CLOSURE, LEFT ATRIAL APPENDAGE, USING DEVICE	IMPLANT LEFT ATRIAL APPENDAGE CLOSURE DEVICE	
CLOSURE, PARAVALVULAR LEAK, AORTIC VALVE, INITIAL, PERCUTANEOUS, TRANSCATHETER, USING OCCLUSION DEVICE INSERTION		93591	Percutaneous transcatheter closure of paravalvular leak; initial occlusion device, aortic valve	Cardiac, Cardiovascular
CLOSURE, PARAVALVULAR LEAK, MITRAL VALVE, INITIAL, PERCUTANEOUS, TRANSCATHETER, USING OCCLUSION DEVICE INSERTION		93590	Percutaneous transcatheter closure of paravalvular leak; initial occlusion device, mitral valve	Cardiac, Cardiovascular
DEFIBRILLATION, INTRAOPERATIVE		92960	Cardioversion, elective, electrical conversion of arrhythmia; external	Cardiac, Cardiovascular
		92961	Cardioversion, elective, electrical conversion of arrhythmia; internal (separate procedure)	
ECHOCARDIOGRAM, INTRACARDIAC		93662	Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation (List separately in addition to code for primary procedure)	Cardiac, Cardiovascular
ECHOCARDIOGRAM, TRANSESOPHAGEAL	ECHO TRANSESOPHAGEAL	93312	Echocardiography, transesophageal, real-time with image documentation (2d) (with or without m-mode recording); including probe placement, image acquisition, interpretation and report	Cardiac, Cardiac/Open Heart, Cardiovascular
		93313	Echocardiography, transesophageal, real-time with image documentation (2d) (with or without m-mode recording); placement of transesophageal probe only	

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New Name	Old Name	CPT Code	Service	
ECHOCARDIOGRAM, TRANSESOPHAGEAL	ECHO TRANSESOPHAGEAL	93314	Echocardiography, transesophageal, real-time with image documentation (2d) (with or without m-mode recording); image acquisition, interpretation and report only	Cardiac, Cardiac/Open Heart, Cardiovascular
		93315	Transesophageal echocardiography for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report	
		93316	Transesophageal echocardiography for congenital cardiac anomalies; placement of transesophageal probe only	
		93317	Transesophageal echocardiography for congenital cardiac anomalies; image acquisition, interpretation and report only	
		93318	Echocardiography, transesophageal (TEE) for monitoring purposes, including probe placement, real time 2-dimensional image acquisition and interpretation leading to ongoing (continuous) assessment of (dynamically changing) cardiac pumping function and to t	
		93355	Echocardiography, transesophageal (tee) for guidance of a transcatheter intracardiac or great vessel(s) structural intervention(s) (eg, TAVR, transcatheter pulmonary valve replacement, mitral valve repair, paravalvular regurgitation repair, left atrial ap	
		ELECTROPHYSIOLOGY PROCEDURE	CASE REQUEST EP LAB	
93602	Intra-atrial recording			
93603	Right ventricular recording			
93609	Intraventricular and/or intra-atrial mapping of tachycardia site(s) with catheter manipulation to record from multiple sites to identify origin of tachycardia (List separately in addition to code for primary procedure)			
93610	Intra-atrial pacing			
93612	Intraventricular pacing			
93613	Intracardiac electrophysiologic 3-dimensional mapping (List separately in addition to code for primary procedure)			
93615	Esophageal recording of atrial electrogram with or without ventricular electrogram(s);			
93618	Induction of arrhythmia by electrical pacing			
93619	Comprehensive electrophysiologic evaluation with right atrial pacing and recording, right ventricular pacing and recording, His bundle recording, including insertion and repositioning of multiple electrode catheters, without induction or attempted inducti			
93620	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with right atrial pacing and recording, right ventricular pacing and recording, His bund			

SJH Procedures - Cardiac and Cardiovascular Services

New Name	Old Name	CPT Code	Service
ELECTROPHYSIOLOGY PROCEDURE	CASE REQUEST EP LAB	93621 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left atrial pacing and recording from coronary sinus or left atrium (List separately)	Cardiac, Cardiovascular
		93622 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left ventricular pacing and recording (List separately in addition to code for prim	
		93623 Programmed stimulation and pacing after intravenous drug infusion (List separately in addition to code for primary procedure)	
		93624 Electrophysiologic follow-up study with pacing and recording to test effectiveness of therapy, including induction or attempted induction of arrhythmia	
		93631 Intra-operative epicardial and endocardial pacing and mapping to localize the site of tachycardia or zone of slow conduction for surgical correction	
		93640 Electrophysiologic evaluation of single or dual chamber pacing cardioverter-defibrillator leads including defibrillation threshold evaluation (induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination) at time of initial implant	
		93641 Electrophysiologic evaluation of single or dual chamber pacing cardioverter-defibrillator leads including defibrillation threshold evaluation (induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination) at time of initial implant	
		93642 Electrophysiologic evaluation of single or dual chamber transvenous pacing cardioverter-defibrillator (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination, and programming or r	
		93644 Electrophysiologic evaluation of subcutaneous implantable defibrillator (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic pa	
		93650 Intracardiac catheter ablation of atrioventricular node function, atrioventricular conduction for creation of complete heart block, with or without temporary pacemaker placement	
		93653 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when n	

SJH Procedures - Cardiac and Cardiovascular Services

New Name	Old Name	CPT Code	Service
ELECTROPHYSIOLOGY PROCEDURE	CASE REQUEST EP LAB	<p>93654 Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when n</p> <p>93655 Intracardiac catheter ablation of a discrete mechanism of arrhythmia which is distinct from the primary ablated mechanism, including repeat diagnostic maneuvers, to treat a spontaneous or induced arrhythmia (list separately in addition to code for primary</p> <p>93656 Comprehensive electrophysiologic evaluation including transeptal catheterizations, insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia including left or right atrial pacing/recording when nec</p> <p>93657 Additional linear or focal intracardiac catheter ablation of the left or right atrium for treatment of atrial fibrillation remaining after completion of pulmonary vein isolation (list separately in addition to code for primary procedure)</p> <p>93660 Evaluation of cardiovascular function with tilt table evaluation, with continuous ECG monitoring and intermittent blood pressure monitoring, with or without pharmacological intervention</p> <p>93662 Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation (List separately in addition to code for primary procedure)</p>	Cardiac, Cardiovascular
ELECTROPHYSIOLOGY STUDY WITH ANESTHESIA EXCISION, MASS, FOREARM	EXCISE/BIOPSY (MASS/LESION/LIPOMA/CYST) MULTIPLE UPPER BODY	<p>11400 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 0.5 cm or less</p> <p>11401 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 0.6 to 1.0 cm</p> <p>11402 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 1.1 to 2.0 cm</p> <p>11403 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 2.1 to 3.0 cm</p> <p>11404 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 3.1 to 4.0 cm</p> <p>11406 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter over 4.0 cm</p>	Cardiac, Cardiovascular Aesthetics, Cardiac/Thoracic Robotics, Cardiovascular, Colorectal, ENT, General, Gynecology, Maxillofacial, Orthopedics, Plastics, Spine, Thoracic, Vascular

SJH Procedures - Cardiac and Cardiovascular Services

New Name	Old Name	CPT Code	Service
EXCISION, MASS, FOREARM	EXCISE/BIOPSY (MASS/LESION/LIPOMA/CYST) MULTIPLE UPPER BODY	11600 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 0.5 cm or less	Aesthetics, Cardiac/Thoracic Robotics, Cardiovascular, Colorectal, ENT, General, Gynecology, Maxillofacial, Orthopedics, Plastics, Spine, Thoracic, Vascular
		11601 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 0.6 to 1.0 cm	
		11602 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 1.1 to 2.0 cm	
		11603 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 2.1 to 3.0 cm	
		11604 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 3.1 to 4.0 cm	
		11606 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter over 4.0 cm	
		25071 Excision, tumor, soft tissue of forearm and/or wrist area, subcutaneous; 3 cm or greater	
		25073 Excision, tumor, soft tissue of forearm and/or wrist area, subfascial (eg, intramuscular); 3 cm or greater	
		25075 Excision, tumor, soft tissue of forearm and/or wrist area, subcutaneous; less than 3 cm	
		25076 Excision, tumor, soft tissue of forearm and/or wrist area, subfascial (eg, intramuscular); less than 3 cm	
EXCISION, MASS, FOREARM	EXCISE/BIOPSY (MASS/LESION/LIPOMA/CYST) UPPER BODY W CO2	11400 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 0.5 cm or less	Aesthetics, Cardiac/Thoracic Robotics, Cardiovascular, Colorectal, ENT, General, Maxillofacial, Orthopedics, Plastics, Spine
		11401 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 0.6 to 1.0 cm	
		11402 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 1.1 to 2.0 cm	
		11403 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 2.1 to 3.0 cm	
		11404 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter 3.1 to 4.0 cm	
		11406 Excision, benign lesion including margins, except skin tag (unless listed elsewhere), trunk, arms or legs; excised diameter over 4.0 cm	
		11600 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 0.5 cm or less	
		11601 Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 0.6 to 1.0 cm	

SJH Procedures - Cardiac and Cardiovascular Services

New Name	Old Name	CPT Code	Service	
EXCISION, MASS, FOREARM	EXCISE/BIOPSY (MASS/LESION/LIPOMA/CYST) UPPER BODY W CO2	11602	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 1.1 to 2.0 cm	Aesthetics, Cardiac/Thoracic Robotics, Cardiovascular, Colorectal, ENT, General, Maxillofacial, Orthopedics, Plastics, Spine
		11603	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 2.1 to 3.0 cm	
		11604	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 3.1 to 4.0 cm	
		11606	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter over 4.0 cm	
		25071	Excision, tumor, soft tissue of forearm and/or wrist area, subcutaneous; 3 cm or greater	
		25073	Excision, tumor, soft tissue of forearm and/or wrist area, subfascial (eg, intramuscular); 3 cm or greater	
		25075	Excision, tumor, soft tissue of forearm and/or wrist area, subcutaneous; less than 3 cm	
		25076	Excision, tumor, soft tissue of forearm and/or wrist area, subfascial (eg, intramuscular); less than 3 cm	
FLUOROSCOPY, CHEST	FLUOROSCOPY CHEST	76496	Unlisted fluoroscopic procedure (eg, diagnostic, interventional)	Cardiac, Cardiovascular
INSERTION, BALLOON, SIROLIMUS ANGIOINFUSION				Cardiac, Cardiovascular
INSERTION, CARDIAC ASSIST DEVICE, IMPELLA	INSERTION IMPELLA	*33990	Insertion of ventricular assist device, percutaneous, including radiological supervision and interpretation; left heart, arterial access only	Cardiac, Cardiac/Open Heart, Cardiovascular
INSERTION, CARDIAC PACEMAKER, BIVENTRICULAR	INSERTION OF BIVENTRICULAR PACEMAKER	33206	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial	Cardiac, Cardiac/Open Heart, Cardiovascular, Pacemakers
		33207	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular	
		33208	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular	
		33212	Insertion of pacemaker pulse generator only; with existing single lead	
		33213	Insertion of pacemaker pulse generator only; with existing dual leads	
		33214	Upgrade of implanted pacemaker system, conversion of single chamber system to dual chamber system (includes removal of previously placed pulse generator, testing of existing lead, insertion of new lead, insertion of new pulse generator)	
		33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	
		33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	
INSERTION, CARDIAC PACEMAKER, DUAL CHAMBER	IMPLANT PACEMAKER DUAL CHAMBER	33221	Insertion of pacemaker pulse generator only; with existing multiple leads	Cardiac, Cardiac/Open Heart, Cardiovascular
		33208	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular	

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New Name	Old Name	CPT Code	Service
INSERTION, CARDIAC PACEMAKER, LEADLESS	INSERTION MICRA LEADLESS PPM	33274 Transcatheter insertion or replacement of permanent leadless pacemaker, right ventricular, including imaging guidance (eg, fluoroscopy, venous ultrasound, ventriculography, femoral venography) and device evaluation (eg, interrogation or programming), when	Cardiac, Cardiac/Open Heart, Cardiovascular
INSERTION, CARDIAC PACEMAKER	IMPLANT PACEMAKER	33206 Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial	Cardiac, Cardiovascular
		33207 Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular	
		33208 Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular	
		33214 Upgrade of implanted pacemaker system, conversion of single chamber system to dual chamber system (includes removal of previously placed pulse generator, testing of existing lead, insertion of new lead, insertion of new pulse generator)	
		33216 Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	
		33217 Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	
		33221 Insertion of pacemaker pulse generator only; with existing multiple leads	
INSERTION, CATHETER, EKOS	INSERTION EKOS	37211 Transcatheter therapy, arterial infusion for thrombolysis other than coronary or intracranial, any method, including radiological supervision and interpretation, initial treatment day	Cardiac, Cardiovascular
		76937 Ultrasound guidance for vascular access requiring ultrasound evaluation of potential access sites, documentation of selected vessel patency, concurrent realtime ultrasound visualization of vascular needle entry, with permanent recording and reporting (Lis	
INSERTION, CATHETER, PE STUDY			Cardiac, Cardiovascular
INSERTION, ELECTRODE LEAD, CARDIAC PACEMAKER	INSERT LEAD PACEMAKER	*33202 Insertion of epicardial electrode(s); open incision (eg, thoracotomy, median sternotomy, subxiphoid approach)	Cardiac, Cardiac/Open Heart, Cardiovascular
		*33203 Insertion of epicardial electrode(s); endoscopic approach (eg, thoracoscopy, pericardioscopy)	
		33210 Insertion or replacement of temporary transvenous single chamber cardiac electrode or pacemaker catheter (separate procedure)	
		33211 Insertion or replacement of temporary transvenous dual chamber pacing electrodes (separate procedure)	
		33216 Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	
		33217 Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	

SJH Procedures - Cardiac and Cardiovascular Services

New Name	Old Name	CPT Code	Service	
INSERTION, ELECTRODE LEAD, CARDIAC PACEMAKER	INSERT LEAD PACEMAKER	33224	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, with attachment to previously placed pacemaker or implantable defibrillator pulse generator (including revision of pocket, removal, insertion, and/or replacement of existin	Cardiac, Cardiac/Open Heart, Cardiovascular
		33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of implantable defibrillator or pacemaker pulse generator (eg, for upgrade to dual chamber system) (list separately in addition to code for primary pro	
INSERTION, ELECTRODE LEAD, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD)	INSERT LEAD ICD	33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	Cardiac, Cardiac/Open Heart, Cardiovascular
		33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	
		33271	Insertion of subcutaneous implantable defibrillator electrode	
INSERTION, FILTER, INFERIOR VENA CAVA	IMPLANT INFERIOR VENA CAVA FILTER	37191	Insertion 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	Cardiac, Cardiac/Open Heart
INSERTION, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD) SYSTEM, TOTAL	IMPLANT ICD	33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber	Cardiac, Cardiac/Open Heart, Cardiovascular
		33270	Insertion or replacement of permanent subcutaneous implantable defibrillator system, with subcutaneous electrode, including defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or	
INSERTION, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD), BIVENTRICULAR	IMPLANT ICD BI VENTRICULAR	33224	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, with attachment to previously placed pacemaker or implantable defibrillator pulse generator (including revision of pocket, removal, insertion, and/or replacement of existin	Cardiac, Cardiac/Open Heart, Cardiovascular
		33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of implantable defibrillator or pacemaker pulse generator (eg, for upgrade to dual chamber system) (list separately in addition to code for primary pro	
		33230	Insertion of implantable defibrillator pulse generator only; with existing dual leads	
		33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber	
INSERTION, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD), DUAL CHAMBER	IMPLANT ICD DC	33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber	Cardiac, Cardiovascular, Pacemakers
INSERTION, IMPLANTABLE LOOP RECORDER (MINOR ROOM)		33285	Insertion, subcutaneous cardiac rhythm monitor, including programming	Cardiac, Cardiovascular, Pacemakers

SJH Procedures - Cardiac and Cardiovascular Services

New Name	Old Name	CPT Code	Service	
INSERTION, IMPLANTABLE LOOP RECORDER, WITH INTRAOPERATIVE CARDIOVERSION	IMPLANT LOOP RECORDER WITH INTRAOPERATIVE CARDIOVERSION	33285	Insertion, subcutaneous cardiac rhythm monitor, including programming	Cardiac, Pacemakers
		92960	Cardioversion, elective, electrical conversion of arrhythmia; external	
		92961	Cardioversion, elective, electrical conversion of arrhythmia; internal (separate procedure)	
INSERTION, IMPLANTABLE LOOP RECORDER	IMPLANT LOOP RECORDER	33285	Insertion, subcutaneous cardiac rhythm monitor, including programming	Cardiac, Cardiovascular, Pacemakers
INSERTION, INTRA-AORTIC BALLOON PUMP	IABP INSERTION	*33967	Insertion of intra-aortic balloon assist device, percutaneous	Cardiac, Cardiovascular
		*33970	Insertion of intra-aortic balloon assist device through the femoral artery, open approach	
		*33973	Insertion of intra-aortic balloon assist device through the ascending aorta	
INSERTION, INTRA-AORTIC BALLOON PUMP	INSERTION INTRA-AORTIC BALLOON	*33967	Insertion of intra-aortic balloon assist device, percutaneous	Cardiac, Cardiovascular, Cardiac/Open Heart
		*33970	Insertion of intra-aortic balloon assist device through the femoral artery, open approach	
		*33973	Insertion of intra-aortic balloon assist device through the ascending aorta	
INSERTION, MITRACLIP, TRANSCATHETER	MITRACLIP PROCEDURE	*33418	Transcatheter mitral valve repair, percutaneous approach, including transseptal puncture when performed; initial prosthesis	Cardiac, Cardiovascular
INSERTION, STENT, ARTERY, CAROTID	STENT CAROTID	*37215	Transcatheter placement of intravascular stent(s), cervical carotid artery, open or percutaneous, including angioplasty, when performed, and radiological supervision and interpretation; with distal embolic protection	Cardiac, Cardiovascular
		37216	Transcatheter placement of intravascular stent(s), cervical carotid artery, open or percutaneous, including angioplasty, when performed, and radiological supervision and interpretation; without distal embolic protection	
		*37217	Transcatheter placement of intravascular stent(s), intrathoracic common carotid artery or innominate artery by retrograde treatment, open ipsilateral cervical carotid artery exposure, including angioplasty, when performed, and radiological supervision and	
		*37218	Transcatheter placement of intravascular stent(s), intrathoracic common carotid artery or innominate artery, open or percutaneous antegrade approach, including angioplasty, when performed, and radiological supervision and interpretation	
INSERTION, STENT, ARTERY, RENAL	STENT RENAL	37236	Transcatheter placement of an intravascular stent(s) (except lower extremity artery(s) for occlusive disease, cervical carotid, extracranial vertebral or intrathoracic carotid, intracranial, or coronary), open or percutaneous, including radiological super	Cardiac, Cardiovascular
INSERTION, STENT, BARE METAL	INSERTION BARE METAL STENT	37221	Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	Cardiac, Cardiovascular

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New Name	Old Name	CPT Code	Service	
INSERTION, STENT, BARE METAL	INSERTION BARE METAL STENT	37226	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	Cardiac, Cardiovascular
		37230	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	
		37234	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for p	
		37236	Transcatheter placement of an intravascular stent(s) (except lower extremity artery(s) for occlusive disease, cervical carotid, extracranial vertebral or intrathoracic carotid, intracranial, or coronary), open or percutaneous, including radiological super	
		37238	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	
		92928	Percutaneous transcatheter placement of intracoronary stent(s), with coronary angioplasty when performed; single major coronary artery or branch	
		92933	Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed; single major coronary artery or branch	
		92937	Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; single vesse	
		*92941	Percutaneous transluminal revascularization of acute total/subtotal occlusion during acute myocardial infarction, coronary artery or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty, including aspiration th	
		92943	Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; single vessel	
INSERTION, STENT, DRUG ELUTING	INSERTION DRUG ELUDING STENT	92928	Percutaneous transcatheter placement of intracoronary stent(s), with coronary angioplasty when performed; single major coronary artery or branch	Cardiac, Cardiovascular
		92933	Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed; single major coronary artery or branch	

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New Name	Old Name	CPT Code	Service
INSERTION, STENT, DRUG ELUTING	INSERTION DRUG ELUDING STENT	92937 Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; single vesse	Cardiac, Cardiovascular
		*92941 Percutaneous transluminal revascularization of acute total/subtotal occlusion during acute myocardial infarction, coronary artery or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty, including aspiration th	
		92943 Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; single vessel	
INSERTION, STENT, PERIPHERAL BLOOD VESSEL	STENT PERIPHERAL VASCULAR	37221 Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	Cardiac, Cardiovascular
		37223 Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for prima	
		37226 Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	
		37230 Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	
		37234 Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for p	
		37236 Transcatheter placement of an intravascular stent(s) (except lower extremity artery(s) for occlusive disease, cervical carotid, extracranial vertebral or intrathoracic carotid, intracranial, or coronary), open or percutaneous, including radiological super	
		37237 Transcatheter placement of an intravascular stent(s) (except lower extremity artery(s) for occlusive disease, cervical carotid, extracranial vertebral or intrathoracic carotid, intracranial, or coronary), open or percutaneous, including radiological super	
		37238 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	

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New Name	Old Name	CPT Code	Service
INSERTION, STENT, PERIPHERAL BLOOD VESSEL	STENT PERIPHERAL VASCULAR	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; each additional vein (list separately in addition to code f	Cardiac, Cardiovascular
INSERTION, TEMPORARY CARDIAC PACEMAKER	INSERTION TEMPORARY PACEMAKER	33210 Insertion or replacement of temporary transvenous single chamber cardiac electrode or pacemaker catheter (separate procedure) 33211 Insertion or replacement of temporary transvenous dual chamber pacing electrodes (separate procedure)	Cardiac, Cardiovascular
INSERTION, VASCULAR CLOSURE DEVICE	VASCULAR CLOSURE	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 ma 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 acquire 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	Cardiac, Cardiovascular
INTRAVASCULAR ULTRASOUND, CORONARY	INTRAVASCULAR ULTRASOUND CORONARY	92978 Endoluminal imaging of coronary vessel or graft using intravascular ultrasound (IVUS) or optical coherence tomography (OCT) during diagnostic evaluation and/or therapeutic intervention including imaging supervision, interpretation and report; initial vess	Cardiac, Cardiovascular
INTRAVASCULAR ULTRASOUND, CORONARY	ULTRASOUND - CORONARY	92978 Endoluminal imaging of coronary vessel or graft using intravascular ultrasound (IVUS) or optical coherence tomography (OCT) during diagnostic evaluation and/or therapeutic intervention including imaging supervision, interpretation and report; initial vess	Cardiac, Cardiovascular
INTRAVASCULAR ULTRASOUND, NON-CORONARY	INTRAVASCULAR ULTRASOUND NON-CORONARY	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 procedur	Cardiac, Cardiovascular

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New Name	Old Name	CPT Code	Service
MEASUREMENT, FRACTIONAL FLOW RESERVE, BLOOD VESSEL, CORONARY, AFTER INTERVENTION	INTERVENTIONAL FLOW RESERVE CORONARY	93571 Intravascular Doppler velocity and/or pressure derived coronary flow reserve measurement (coronary vessel or graft) during coronary angiography including pharmacologically induced stress; initial vessel (List separately in addition to code for primary pro	Cardiac, Cardiovascular
MEASUREMENT, MYOCARDIAL FRACTIONAL FLOW RESERVE	INTERVENTIONAL FLOW RESERVE MYOCARDIUM	93571 Intravascular Doppler velocity and/or pressure derived coronary flow reserve measurement (coronary vessel or graft) during coronary angiography including pharmacologically induced stress; initial vessel (List separately in addition to code for primary pro 93572 Intravascular Doppler velocity and/or pressure derived coronary flow reserve measurement (coronary vessel or graft) during coronary angiography including pharmacologically induced stress; each additional vessel (List separately in addition to code for pri	Cardiac, Cardiovascular
PACU MISCELLANEOUS PROCEDURE			Bariatric, Cardiac, Cardiac/Open Heart, Colorectal, ENT, Gastroenterology, General, Gynecology, Neurosurgery, Orthopedics, Pacemakers, Plastics, Spine, Thoracic, Urology, Vascular
PERCUTANEOUS CORONARY INTERVENTION, ARTERY	PERC CORONARY INTERVENTION	92920 Percutaneous transluminal coronary angioplasty; single major coronary artery or branch 92921 Percutaneous transluminal coronary angioplasty; each additional branch of a major coronary artery (list separately in addition to code for primary procedure) 92924 Percutaneous transluminal coronary atherectomy, with coronary angioplasty when performed; single major coronary artery or branch 92925 Percutaneous transluminal coronary atherectomy, with coronary angioplasty when performed; each additional branch of a major coronary artery (list separately in addition to code for primary procedure) 92928 Percutaneous transcatheter placement of intracoronary stent(s), with coronary angioplasty when performed; single major coronary artery or branch 92929 Percutaneous transcatheter placement of intracoronary stent(s), with coronary angioplasty when performed; each additional branch of a major coronary artery (list separately in addition to code for primary procedure) 92933 Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed; single major coronary artery or branch 92934 Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed; each additional branch of a major coronary artery (list separately in addition to code for primary procedure)	Cardiac, Cardiovascular

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New Name	Old Name	CPT Code	Service	
PERCUTANEOUS CORONARY INTERVENTION, ARTERY	PERC CORONARY INTERVENTION	92937	Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; single vessel	Cardiac, Cardiovascular
		92938	Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; each additional	
		*92941	Percutaneous transluminal revascularization of acute total/subtotal occlusion during acute myocardial infarction, coronary artery or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty, including aspiration thrombectomy	
		92943	Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; single vessel	
		92944	Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; each additional coronary artery, coronary	
		92973	Percutaneous transluminal coronary thrombectomy mechanical (list separately in addition to code for primary procedure)	
		92974	Transcatheter placement of radiation delivery device for subsequent coronary intravascular brachytherapy (List separately in addition to code for primary procedure)	
		*92975	Thrombolysis, coronary; by intracoronary infusion, including selective coronary angiography	
		92977	Thrombolysis, coronary; by intravenous infusion	
		PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY (PTA), PERIPHERAL BLOOD VESSEL	PERIPHERAL PTA	
37224	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal angioplasty			
37228	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal angioplasty			
37232	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)			
37238	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			

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New Name	Old Name	CPT Code	Service
PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY (PTA), PERIPHERAL BLOOD VESSEL	PERIPHERAL PTA	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 p	Cardiac, Cardiovascular
		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	
PERCUTANEOUS TRANSLUMINAL CORONARY ANGIOPLASTY (PTCA), USING BALLOON	PTCA	92920 Percutaneous transluminal coronary angioplasty; single major coronary artery or branch	Cardiac, Cardiovascular
PERICARDIOCENTESIS	PERICARDIOCENTESIS	33016 Pericardiocentesis, including imaging guidance, when performed	Cardiac, Cardiovascular
PRESSURE WIRE PROCEDURE			Cardiac, Cardiovascular
PROCANIMIDE CHALLENGE			Cardiac, Cardiovascular
REMOVAL, CARDIAC PACEMAKER, BIVENTRICULAR	EXPLANT PACEMAKER BIVENTRICULAR	33233 Removal of permanent pacemaker pulse generator only	Cardiac, Cardiovascular
		33235 Removal of transvenous pacemaker electrode(s); dual lead system	
REMOVAL, CARDIAC PACEMAKER	EXPLANT PACEMAKER	33233 Removal of permanent pacemaker pulse generator only	Cardiac, Cardiovascular
		33234 Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular	
		33235 Removal of transvenous pacemaker electrode(s); dual lead system	
		*33238 Removal of permanent transvenous electrode(s) by thoracotomy	
REMOVAL, ELECTRODE LEAD, CARDIAC DEVICE	LEAD REPLACEMENT	33234 Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular	Cardiac, Cardiovascular
		33235 Removal of transvenous pacemaker electrode(s); dual lead system	
		*33238 Removal of permanent transvenous electrode(s) by thoracotomy	
		*33243 Removal of single or dual chamber implantable defibrillator electrode(s); by thoracotomy	
		33244 Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction	
REMOVAL, FILTER, INFERIOR VENA CAVA		37193 Retrieval (removal) 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	Cardiac, Cardiovascular
REMOVAL, FOREIGN BODY, PERCUTANEOUS	FOREIGN BODY REMOVAL PERCUTANEOUS		Cardiac, Cardiovascular
REMOVAL, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD), BIVENTRICULAR	EXPLANT ICD BIVENTRICULAR	*33243 Removal of single or dual chamber implantable defibrillator electrode(s); by thoracotomy	Cardiac, Cardiovascular
		33244 Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction	
REMOVAL, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD)	EXPLANT ICD	33241 Removal of implantable defibrillator pulse generator only	Cardiac, Cardiovascular

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New Name	Old Name	CPT Code	Service
REMOVAL, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD)	EXPLANT ICD	*33243 Removal of single or dual chamber implantable defibrillator electrode(s); by thoracotomy	Cardiac, Cardiovascular
		33244 Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction	
		33272 Removal of subcutaneous implantable defibrillator electrode	
REMOVAL, INTRA-AORTIC BALLOON PUMP	IABP REMOVAL	*33968 Removal of intra-aortic balloon assist device, percutaneous	Cardiac, Cardiovascular
		*33971 Removal of intra-aortic balloon assist device including repair of femoral artery, with or without graft	
		*33974 Removal of intra-aortic balloon assist device from the ascending aorta, including repair of the ascending aorta, with or without graft	
REMOVAL, INTRA-AORTIC BALLOON PUMP	REMOVAL INTRA AORTIC BALLOON	*33968 Removal of intra-aortic balloon assist device, percutaneous	Cardiac, Cardiovascular, Cardiac/Open Heart
		*33971 Removal of intra-aortic balloon assist device including repair of femoral artery, with or without graft	
		*33974 Removal of intra-aortic balloon assist device from the ascending aorta, including repair of the ascending aorta, with or without graft	
REMOVAL, LOOP RECORDER (MINOR ROOM)		33286 Removal, subcutaneous cardiac rhythm monitor	Cardiac, Cardiovascular, Pacemakers
REMOVAL, LOOP RECORDER	EXPLANT LOOP RECORDER	33286 Removal, subcutaneous cardiac rhythm monitor	Cardiac, Cardiovascular, Pacemakers
REMOVAL, PULSE GENERATOR	EXPLANT GENERATOR	33241 Removal of implantable defibrillator pulse generator only	Cardiac, Cardiovascular
REMOVAL, TRANSVENOUS ELECTRODE LEAD	LEAD EXTRACTION - TRANSVENOUS	33234 Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular	Cardiac, Cardiovascular
		33235 Removal of transvenous pacemaker electrode(s); dual lead system	
		*33238 Removal of permanent transvenous electrode(s) by thoracotomy	
REPAIR, ATRIAL SEPTAL DEFECT	REPAIR ATRIAL SEPTAL DEFECT	*33641 Repair atrial septal defect, secundum, with cardiopulmonary bypass, with or without patch	Cardiovascular, Cardiac/Open Heart
		93580 Percutaneous transcatheter closure of congenital interatrial communication (ie, Fontan fenestration, atrial septal defect) with implant	
REPAIR, MITRAL VALVE, TRANSCATHETER	TRANSCATHETER MITRAL VALVE REPAIR	*0345T Transcatheter mitral valve repair percutaneous approach via the coronary sinus	Cardiac, Cardiovascular, Cardiac/Open Heart
		*33418 Transcatheter mitral valve repair, percutaneous approach, including transseptal puncture when performed; initial prosthesis	
		33419 Transcatheter mitral valve repair, percutaneous approach, including transseptal puncture when performed; additional prosthesis(es) during same session (list separately in addition to code for primary procedure)	
REPAIR, PATENT FORAMEN OVALE	REPAIR PATENT FORAMEN OVALE	*33641 Repair atrial septal defect, secundum, with cardiopulmonary bypass, with or without patch	Cardiac, Cardiovascular
		*33647 Repair of atrial septal defect and ventricular septal defect, with direct or patch closure	

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New Name	Old Name	CPT Code	Service
REPAIR, PATENT FORAMEN OVALE	REPAIR PATENT FORAMEN OVALE	93580 Percutaneous transcatheter closure of congenital interatrial communication (ie, Fontan fenestration, atrial septal defect) with implant	Cardiac, Cardiovascular
REPAIR, VENTRICULAR SEPTAL DEFECT	REPAIR VENTRICULAR SEPTAL DEFECT	*33545 Repair of postinfarction ventricular septal defect, with or without myocardial resection *33681 Closure of single ventricular septal defect, with or without patch; 93581 Percutaneous transcatheter closure of a congenital ventricular septal defect with implant	Cardiac, Cardiovascular, Cardiac/Open Heart
REPLACEMENT, AORTIC VALVE, TRANSAPICAL APPROACH	TRANSAPICAL AORTIC VALVE IMPLANT THORACIC	*33366 Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; transapical exposure (eg, left thoracotomy)	Cardiac, Cardiovascular, Cardiac/Open Heart
REPLACEMENT, AORTIC VALVE, TRANSCATHETER, FEMORAL APPROACH	TRANSCATHETER AORTIC VALVE IMPLANT FEMORAL	*33361 Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; percutaneous femoral artery approach *33362 Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; open femoral artery approach	Cardiac, Cardiovascular, Cardiac/Open Heart
REPLACEMENT, AORTIC VALVE, TRANSCATHETER, SUBCLAVIAN ARTERY APPROACH	TRANSCATHETER AORTIC VALVE IMPLANT SUBCLAVIAN	*33363 Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; open axillary artery approach	Cardiac, Cardiovascular, Cardiac/Open Heart
REPLACEMENT, AORTIC VALVE, TRANSCATHETER, TRANSAORTIC APPROACH	TRANSAORTIC AORTIC VALVE REPLACEMENT	*33365 Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; transaortic approach (eg, median sternotomy, mediastinotomy)	Cardiac, Cardiovascular, Cardiac/Open Heart
REPLACEMENT, AORTIC VALVE, TRANSCATHETER, TRANSAXILLARY APPROACH		*33363 Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; open axillary artery approach	Cardiac, Cardiovascular, Cardiac/Open Heart
REPLACEMENT, CARDIAC PACEMAKER, WITH BIVENTRICULAR CARDIAC PACEMAKER	BIVENTRICULAR PACEMAKER UPGRADE	33228 Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system	Cardiac, Cardiovascular
REPLACEMENT, DRESSING	PACU DRESSING CHANGE W ANESTHESIA IP	15852 Dressing change (for other than burns) under anesthesia (other than local)	Bariatric, Cardiac/Open Heart, Cardiovascular, Colorectal, ENT, General, Gynecology, Orthopedics, Pacemakers, Plastics, Spine, Thoracic, Urology, Vascular
REPLACEMENT, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD), SINGLE ELECTRODE DEVICE WITH BIVENTRICULAR DEVICE	BIVENTRICULAR ICD UPGRADE	33263 Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system	Cardiac, Cardiovascular
REPLACEMENT, PULSE GENERATOR, CARDIAC PACEMAKER, DUAL CHAMBER	GENERATOR CHANGE PACEMAKER DUAL CHAMBER	33227 Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system 33228 Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system 33229 Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system	Cardiac, Cardiovascular
REPLACEMENT, PULSE GENERATOR, CARDIAC PACEMAKER	GENERATOR CHANGE PACEMAKER	33227 Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system 33228 Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system 33229 Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system	Cardiac, Cardiovascular

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New Name	Old Name	CPT Code	Service
REPLACEMENT, PULSE GENERATOR, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD), DUAL CHAMBER	GENERATOR CHANGE ICD DUAL CHAMBER	33263 Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system	Cardiac, Cardiovascular
REPLACEMENT, PULSE GENERATOR, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD), SINGLE CHAMBER	GENERATOR CHANGE ICD SINGLE CHAMBER	33262 Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; single lead system	Cardiac, Cardiovascular
REPLACEMENT, PULSE GENERATOR, IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD)	GENERATOR CHANGE ICD	33262 Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; single lead system 33263 Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system 33264 Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; multiple lead system	Cardiac, Cardiovascular
REPLACEMENT, SINGLE CHAMBER CARDIAC PACEMAKER PULSE GENERATOR	GENERATOR CHANGE PACEMAKER SINGLE CHAMBER	33227 Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system	Cardiac, Cardiovascular
REVISION, ELECTRODE LEAD	LEAD REVISION	0270T Revision or removal of carotid sinus baroreflex activation device; lead only, unilateral (includes intra-operative interrogation, programming, and repositioning, when performed) 0313T Vagus nerve blocking therapy (morbid obesity); laparoscopic revision or replacement of vagal trunk neurostimulator electrode array, including connection to existing pulse generator 0467T Revision or replacement of chest wall respiratory sensor electrode or electrode array, including connection to existing pulse generator 33215 Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode 33226 Repositioning of previously implanted cardiac venous system (left ventricular) electrode (including removal, insertion and/or replacement of existing generator) 33273 Repositioning of previously implanted subcutaneous implantable defibrillator electrode 43648 Laparoscopy, surgical; revision or removal of gastric neurostimulator electrodes, antrum *43882 Revision or removal of gastric neurostimulator electrodes, antrum, open 61880 Revision or removal of intracranial neurostimulator electrodes 63663 Revision including replacement, when performed, of spinal neurostimulator electrode percutaneous array(s), including fluoroscopy, when performed 63664 Revision including replacement, when performed, of spinal neurostimulator electrode plate/paddle(s) placed via laminotomy or laminectomy, including fluoroscopy, when performed	Cardiac, Cardiovascular

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New Name	Old Name	CPT Code	Service
REVISION, ELECTRODE LEAD	LEAD REVISION	64569	Revision or replacement of cranial nerve (eg, vagus nerve) neurostimulator electrode array, including connection to existing pulse generator
		64585	Revision or removal of peripheral neurostimulator electrode array
REVISION, SKIN POCKET, FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD) OR CARDIAC PACEMAKER	POCKET REVISION	33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode
		33222	Relocation of skin pocket for pacemaker
		33223	Relocation of skin pocket for implantable defibrillator
		33273	Repositioning of previously implanted subcutaneous implantable defibrillator electrode
ST. JUDE FLOUROSCOPY		76000	Fluoroscopy (separate procedure), up to 1 hour physician or other qualified health care professional time
THROMBECTOMY, CORONARY ARTERY, PERCUTANEOUS, TRANSLUMINAL	THROMBECTOMY CORONARY	92973	Percutaneous transluminal coronary thrombectomy mechanical (list separately in addition to code for primary procedure)
THROMBOLYSIS, BYPASS GRAFT	THROMBOLYSIS BYPASS GRAFT	37211	Transcatheter therapy, arterial infusion for thrombolysis other than coronary or intracranial, any method, including radiological supervision and interpretation, initial treatment day
		37212	Transcatheter therapy, venous infusion for thrombolysis, any method, including radiological supervision and interpretation, initial treatment day
		37213	Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up ca
		37214	Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up ca
THROMBOLYSIS, CORONARY ARTERY	THROMBOLYSIS CORONARY	*92975	Thrombolysis, coronary; by intracoronary infusion, including selective coronary angiography
		92977	Thrombolysis, coronary; by intravenous infusion
THROMBOLYSIS, PERIPHERAL BLOOD VESSEL	THROMBOLYSIS PERIPHERAL	37211	Transcatheter therapy, arterial infusion for thrombolysis other than coronary or intracranial, any method, including radiological supervision and interpretation, initial treatment day
		37212	Transcatheter therapy, venous infusion for thrombolysis, any method, including radiological supervision and interpretation, initial treatment day

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New Name	Old Name	CPT Code	Service
THROMBOLYSIS, PERIPHERAL BLOOD VESSEL	THROMBOLYSIS PERIPHERAL	37213 Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up ca	Cardiac, Cardiovascular
		37214 Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up ca	
TILT TABLE TEST	TILT TABLE	93660 Evaluation of cardiovascular function with tilt table evaluation, with continuous ECG monitoring and intermittent blood pressure monitoring, with or without pharmacological intervention	Cardiac, Cardiovascular
TRANSCATHETER AORTIC VALVE REPLACEMENT (CARDIOLOGY)			Cardiovascular, Cardiac/Open Heart
TRANSCATHETER AORTIC VALVE REPLACEMENT CLINICAL TRIAL LOW RISK			Cardiac, Cardiovascular, Cardiac/Open Heart
VALVULOPLASTY	VALVULOPLASTY	*0569T Transcatheter tricuspid valve repair, percutaneous approach; initial prosthesis	Cardiac, Cardiovascular
		*33390 Valvuloplasty, aortic valve, open, with cardiopulmonary bypass; simple (ie, valvotomy, debridement, debulking, and/or simple commissural resuspension)	
		*33391 Valvuloplasty, aortic valve, open, with cardiopulmonary bypass; complex (eg, leaflet extension, leaflet resection, leaflet reconstruction, or annuloplasty)	
		*33418 Transcatheter mitral valve repair, percutaneous approach, including transseptal puncture when performed; initial prosthesis	
		33419 Transcatheter mitral valve repair, percutaneous approach, including transseptal puncture when performed; additional prosthesis(es) during same session (list separately in addition to code for primary procedure)	
		*33425 Valvuloplasty, mitral valve, with cardiopulmonary bypass;	
		*33426 Valvuloplasty, mitral valve, with cardiopulmonary bypass; with prosthetic ring	
		*33427 Valvuloplasty, mitral valve, with cardiopulmonary bypass; radical reconstruction, with or without ring	
		*33463 Valvuloplasty, tricuspid valve; without ring insertion	
		*33464 Valvuloplasty, tricuspid valve; with ring insertion	
		*33470 Valvotomy, pulmonary valve, closed heart; transventricular	
		*33471 Valvotomy, pulmonary valve, closed heart; via pulmonary artery	
		*33474 Valvotomy, pulmonary valve, open heart, with cardiopulmonary bypass	
*33600 Closure of atrioventricular valve (mitral or tricuspid) by suture or patch			

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New Name	Old Name	CPT Code	Service
VALVULOPLASTY	VALVULOPLASTY	*33602 Closure of semilunar valve (aortic or pulmonary) by suture or patch	Cardiac, Cardiovascular
		*33610 Repair of complex cardiac anomalies (eg, single ventricle with subaortic obstruction) by surgical enlargement of ventricular septal defect	
		*33615 Repair of complex cardiac anomalies (eg, tricuspid atresia) by closure of atrial septal defect and anastomosis of atria or vena cava to pulmonary artery (simple Fontan procedure)	
		92986 Percutaneous balloon valvuloplasty; aortic valve	
		92987 Percutaneous balloon valvuloplasty; mitral valve	
		92990 Percutaneous balloon valvuloplasty; pulmonary valve	
VENOGRAM, LOWER EXTREMITY	VENOGRAM LOWER EXTREMITY	36005 Injection procedure for extremity venography (including introduction of needle or intracatheter)	Cardiac, Cardiovascular
		75820 Venography, extremity, unilateral, radiological supervision and interpretation	
		75822 Venography, extremity, bilateral, radiological supervision and interpretation	
VENOGRAM, THORAX	VENOGRAM THORACIC	36010 Introduction of catheter, superior or inferior vena cava	Cardiac, Cardiovascular
		75825 Venography, caval, inferior, with serialography, radiological supervision and interpretation	
		75827 Venography, caval, superior, with serialography, radiological supervision and interpretation	
VENOGRAM, UPPER EXTREMITY	VENOGRAM UPPER EXTREMITY	36005 Injection procedure for extremity venography (including introduction of needle or intracatheter)	Cardiac, Cardiovascular
VENOGRAM, VENA CAVA	ANGIOGRAM VENA CAVA	75820 Venography, extremity, unilateral, radiological supervision and interpretation	Cardiac, Cardiovascular
		36010 Introduction of catheter, superior or inferior vena cava	
		75825 Venography, caval, inferior, with serialography, radiological supervision and interpretation	
		75827 Venography, caval, superior, with serialography, radiological supervision and interpretation	