

MeSH Tree Structures - 2008

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative

Surgical Procedures, Operative	E4		
Ambulatory Surgical Procedures	E4.30		
Anastomosis, Surgical	E4.35		
Anastomosis, Roux-en-Y	E4.35.70	E4.210.	
Arteriovenous Shunt, Surgical	E4.35.87	E4.100.	
Cerebrospinal Fluid Shunts	E4.35.188	E4.525.	
Ventriculoperitoneal Shunt	E4.35.188.850	E4.525.	
Ventriculostomy	E4.35.188.957	E4.525.	
Cholecystostomy	E4.35.195	E4.210.	
Choledochostomy	E4.35.200	E4.210.	
Endolymphatic Shunt	E4.35.335	E4.580.	
Gastroenterostomy	E4.35.398	E4.210.	
Gastric Bypass	E4.35.398.385	E2.65.	E4.62.
		E4.210.	
Heart Bypass, Right	E4.35.410	E4.100.	E4.928.
Fontan Procedure	E4.35.410.295	E4.100.	E4.928.
Jejunioileal Bypass	E4.35.415	E2.65.	E4.62.
		E4.210.	
Pancreaticojejunostomy	E4.35.703	E4.210.	
Pericardial Window Techniques	E4.35.720	E4.100.	E4.928.
Peritoneovenous Shunt	E4.35.735	E4.100.	E4.210.
Portasystemic Shunt, Surgical	E4.35.760	E4.100.	
Portacaval Shunt, Surgical	E4.35.760.755	E4.100.	
Portasystemic Shunt, Transjugular Intrahepatic	E4.35.760.795	E4.100.	
Splenorenal Shunt, Surgical	E4.35.760.835	E4.100.	
Portoenterostomy, Hepatic	E4.35.775	E4.210.	
Salpingostomy	E4.35.832	E4.950.	
Vasovasostomy	E4.35.956	E4.950.	E4.950.
Assisted Circulation	E4.50		
Counterpulsation	E4.50.215		
Intra-Aortic Balloon Pumping	E4.50.215.400		
Heart-Assist Devices	E4.50.430	E7.695.	E7.858.
Bariatric Surgery	E4.62	E2.65.	
Gastric Bypass	E4.62.249	E2.65.	E4.35.
		E4.210.	
Gastroplasty	E4.62.750	E2.65.	E4.210.
Jejunioileal Bypass	E4.62.875	E2.65.	E4.35.
		E4.210.	
Lipectomy	E4.62.937	E2.65.	E2.218.
		E4.680.	
Biopsy	E4.74	E1.370.	E1.450.
		E1.450.	
Biopsy, Needle	E4.74.119	E1.370.	E1.450.
		E1.450.	E1.450.
Biopsy, Fine-Needle	E4.74.119.500	E1.370.	E1.450.
		E1.450.	
Conization	E4.74.160	E1.370.	E1.450.
		E1.450.	
Sentinel Lymph Node Biopsy	E4.74.580	E1.370.	E1.450.
		E1.450.	E4.446.
Body Modification, Non-Therapeutic	E4.85	E2.218.	
Body Piercing	E4.85.90	E2.218.	E2.800.
Circumcision, Female	E4.85.165	E2.218.	E4.950.
		I1.76.	
Circumcision, Male	E4.85.170	E2.218.	E4.950.
Tattooing	E4.85.840	E2.218.	
Cardiovascular Surgical Procedures	E4.100		
Cardiac Surgical Procedures	E4.100.376	E4.928.	
Cardiomyoplasty	E4.100.376.125	E4.928.	

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative

Cardiovascular Surgical Procedures

Cardiac Surgical Procedures

Heart Arrest, Induced

Heart Arrest, Induced

Circulatory Arrest, Deep Hypothermia Induced

Heart Bypass, Right

Fontan Procedure

Heart Massage

Heart Transplantation

Heart-Lung Transplantation

Heart Valve Prosthesis Implantation

Myocardial Revascularization

Angioplasty, Transluminal, Percutaneous Coronary

Atherectomy, Coronary

Coronary Artery Bypass

Coronary Artery Bypass, Off-Pump

Internal Mammary-Coronary Artery Anastomosis

Pericardial Window Techniques

Pericardiectomy

Pericardiocentesis

Reperfusion

Myocardial Reperfusion

Vascular Surgical Procedures

Angioplasty

Angioplasty, Balloon

Angioplasty, Balloon, Laser-Assisted

Angioplasty, Transluminal, Percutaneous Coronary

Angioplasty, Laser

Angioplasty, Balloon, Laser-Assisted

Atherectomy

Atherectomy, Coronary

Angioscopy

Arteriovenous Shunt, Surgical

Blood Vessel Prosthesis Implantation

Cerebral Revascularization

Embolectomy

Endarterectomy

Endarterectomy, Carotid

Limb Salvage

Peritoneovenous Shunt

Portasystemic Shunt, Surgical

Portacaval Shunt, Surgical

Portasystemic Shunt, Transjugular Intrahepatic

Splenorenal Shunt, Surgical

Thrombectomy

Venous Cutdown

Cryosurgery

Curettage

Dilatation and Curettage

Vacuum Curettage

	E4.100.376.374	E4.928.	
	E4.100.376.374.500	E4.928.	
	E4.100.376.410	E4.35.	E4.928.
	E4.100.376.410.295	E4.35.	E4.928.
	E4.100.376.458	E2.365.	E4.928.
	E4.100.376.475	E4.928.	E4.936.
	E4.100.376.475.450	E4.928.	E4.928.
		E4.936.	E4.936.
	E4.100.376.485	E4.650.	E4.928.
	E4.100.376.719	E4.928.	
	E4.100.376.719.100	E2.148.	E2.148.
		E4.100.	E4.928.
	E4.100.376.719.125	E2.148.	E4.100.
		E4.928.	
	E4.100.376.719.332	E4.928.	
	E4.100.376.719.332.199	E4.928.	
	E4.100.376.719.332.400	E4.928.	
	E4.100.376.730	E4.35.	E4.928.
	E4.100.376.735	E4.928.	
	E4.100.376.745	E1.450.	E2.800.
		E4.581.	E4.928.
	E4.100.700	E5.680.	
	E4.100.700.600	E5.680.	
	E4.100.814		
	E4.100.814.50	E2.148.	
	E4.100.814.50.60	E2.148.	E2.148.
	E4.100.814.50.60.80	E2.148.	E2.594.
		E4.100.	E4.416.
	E4.100.814.50.60.100	E2.148.	E2.148.
		E4.100.	E4.928.
	E4.100.814.50.75	E2.148.	E2.594.
		E4.416.	
	E4.100.814.50.75.80	E2.148.	E2.148.
		E2.148.	E2.594.
		E4.100.	E4.416.
	E4.100.814.50.120	E2.148.	
	E4.100.814.50.120.125	E2.148.	E4.100.
		E4.928.	
	E4.100.814.55	E1.370.	E1.370.
		E4.800.	
	E4.100.814.143	E4.35.	
	E4.100.814.200	E4.650.	
	E4.100.814.300	E4.494.	
	E4.100.814.445		
	E4.100.814.456		
	E4.100.814.456.250		
	E4.100.814.603	E4.555.	E4.680.
	E4.100.814.750	E4.35.	E4.210.
	E4.100.814.790	E4.35.	
	E4.100.814.790.790	E4.35.	
	E4.100.814.790.830	E4.35.	
	E4.100.814.790.870	E4.35.	
	E4.100.814.842		
	E4.100.814.895		
	E4.143		
	E4.157		
	E4.157.310	E4.950.	
	E4.157.310.970	E4.950.	

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative Debridement

Debridement	E4.176		
Decompression, Surgical	E4.188		
Deep Brain Stimulation	E4.190	E2.342.	
Device Removal	E4.199		
Digestive System Surgical Procedures	E4.210		
Anastomosis, Roux-en-Y	E4.210.70	E4.35.	
Appendectomy	E4.210.78		
Biliary Tract Surgical Procedures	E4.210.120		
Biliopancreatic Diversion	E4.210.120.86	E4.210.	
Cholecystectomy	E4.210.120.172		
Cholecystectomy, Laparoscopic	E4.210.120.172.140	E4.800.	
Cholecystostomy	E4.210.120.195	E4.35.	
Choledochostomy	E4.210.120.200	E4.35.	
Portoenterostomy, Hepatic	E4.210.120.775	E4.35.	
Sphincterotomy, Endoscopic	E4.210.120.850	E4.210.	E4.800.
Sphincterotomy, Transhepatic	E4.210.120.860		
Biliopancreatic Diversion	E4.210.169	E4.210.	
Colectomy	E4.210.219		
Proctocolectomy, Restorative	E4.210.219.620		
Endoscopy, Digestive System	E4.210.240	E1.370.	E1.370.
		E4.800.	
Cholangiopancreatography, Endoscopic Retrograde	E4.210.240.160	E1.370.	E1.370.
		E1.370.	E1.370.
		E4.800.	
Endoscopy, Gastrointestinal	E4.210.240.250	E1.370.	E1.370.
		E4.800.	
Colonoscopy	E4.210.240.250.160	E1.370.	E1.370.
		E4.800.	
Sigmoidoscopy	E4.210.240.250.160.800	E1.370.	E1.370.
		E4.800.	
Duodenoscopy	E4.210.240.250.200	E1.370.	E1.370.
		E4.800.	
Gastrosocopy	E4.210.240.250.320	E1.370.	E1.370.
		E4.800.	
Proctoscopy	E4.210.240.250.680	E1.370.	E1.370.
		E4.800.	
Sphincterotomy, Endoscopic	E4.210.240.250.840	E4.210.	E4.800.
Esophagoscopy	E4.210.240.260	E1.370.	E1.370.
		E4.800.	
Enterostomy	E4.210.338	E4.579.	
Cecostomy	E4.210.338.175	E4.579.	
Colostomy	E4.210.338.225	E4.579.	
Duodenostomy	E4.210.338.303	E4.579.	
Ileostomy	E4.210.338.508	E4.579.	
Jejunostomy	E4.210.338.523	E4.579.	
Esophagectomy	E4.210.346		
Esophagoplasty	E4.210.355		
Esophagostomy	E4.210.358	E4.579.	
Fundoplication	E4.210.390		
Gastrectomy	E4.210.419		
Gastroenterostomy	E4.210.457	E4.35.	
Gastric Bypass	E4.210.457.430	E2.65.	E4.35.
		E4.62.	
Gastroplasty	E4.210.485	E2.65.	E4.62.
Gastrostomy	E4.210.496	E4.579.	
Hepatectomy	E4.210.556		
Jejunioileal Bypass	E4.210.626	E2.65.	E4.35.
		E4.62.	
Liver Transplantation	E4.210.650	E4.936.	E4.936.

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative Digestive System Surgical Procedures Pancreas Transplantation

Pancreas Transplantation	E4.210.725	E4.936.	
Pancreatectomy	E4.210.752		
Pancreaticoduodenectomy	E4.210.760		
Pancreaticojejunostomy	E4.210.762	E4.35.	
Peritoneovenous Shunt	E4.210.790	E4.35.	E4.100.
Dissection	E4.221	E1.450.	
Microdissection	E4.221.580	E1.450.	E5.200.
		E5.591.	
Drainage	E4.237	E2.309	
Negative-Pressure Wound Therapy	E4.237.444	E2.309.	
Suction	E4.237.890		
Electrosurgery	E4.262		
Endocrine Surgical Procedures	E4.270		
Adrenalectomy	E4.270.115		
Castration	E4.270.282	E4.950.	
Orchiectomy	E4.270.282.679	E4.950.	E4.950.
Ovariectomy	E4.270.282.685	E4.950.	E4.950.
Hypophysectomy	E4.270.532	E4.525.	
Hypophysectomy, Chemical	E4.270.532.490		
Islets of Langerhans Transplantation	E4.270.550	E4.936.	
Parathyroidectomy	E4.270.694		
Thyroidectomy	E4.270.856		
Extracorporeal Circulation	E4.292		
Cardiopulmonary Bypass	E4.292.413		
Chemotherapy, Cancer, Regional Perfusion	E4.292.425	E5.300.	
Extracorporeal Membrane Oxygenation	E4.292.451	E2.880.	
Heart Bypass, Left	E4.292.465		
Hemofiltration	E4.292.471	E2.870.	E2.912.
		E4.292.	E5.196.
		H1.181.	H1.671.
Hemodiafiltration	E4.292.471.350	E2.870.	E2.870.
		E2.912.	E2.912.
		E4.292.	E5.196.
		H1.181.	H1.671.
Hemoperfusion	E4.292.510	E2.912.	
Photopheresis	E4.292.762	E2.774.	
Ultrafiltration	E4.292.975	E5.196.	H1.181.
		H1.671.	
Hemofiltration	E4.292.975.300	E2.870.	E2.912.
		E4.292.	E5.196.
		H1.181.	H1.671.
Hemodiafiltration	E4.292.975.300.300	E2.870.	E2.870.
		E2.912.	E2.912.
		E4.292.	E5.196.
		H1.181.	H1.671.
Hemostasis, Surgical	E4.350	E2.520.	
Intraoperative Care	E4.365	E2.760.	N2.421.
Intraoperative Period	E4.375		
Laparotomy	E4.406		
Laser Therapy	E4.416	E2.594	
Angioplasty, Laser	E4.416.60	E2.148.	E2.594.
		E4.100.	
Angioplasty, Balloon, Laser-Assisted	E4.416.60.80	E2.148.	E2.148.
		E2.148.	E2.594.
		E4.100.	E4.100.
Corneal Surgery, Laser	E4.416.480	E2.594.	E4.540.
Keratectomy, Subepithelial, Laser-Assisted	E4.416.480.500	E2.594.	E4.540.
Keratomileusis, Laser In Situ	E4.416.480.750	E2.594.	E4.540.
Photorefractive Keratectomy	E4.416.480.875	E2.594.	E4.540.

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative

Laser Therapy

Laser Coagulation

Laser Coagulation	E4.416.530	E2.594.	E4.540.
Lithotripsy, Laser	E4.416.550	E2.594.	E2.600.
Ligation	E4.426		
Lymph Node Excision	E4.446		
Neck Dissection	E4.446.318	E4.580.	
Sentinel Lymph Node Biopsy	E4.446.819	E1.370.	E1.450.
		E1.450.	E4.74.
Mastectomy	E4.466		
Mastectomy, Radical	E4.466.678		
Mastectomy, Extended Radical	E4.466.678.354		
Mastectomy, Modified Radical	E4.466.678.476		
Mastectomy, Segmental	E4.466.701		
Mastectomy, Simple	E4.466.754		
Mastectomy, Subcutaneous	E4.466.823		
Microsurgery	E4.494	E5.591.	
Cerebral Revascularization	E4.494.150	E4.100.	
Mohs Surgery	E4.494.575		
Monitoring, Intraoperative	E4.510	E1.370.	
Obstetric Surgical Procedures	E4.520		
Abortion, Induced	E4.520.50		
Abortion, Eugenic	E4.520.50.50		
Abortion, Legal	E4.520.50.55		
Abortion, Therapeutic	E4.520.50.60		
Pregnancy Reduction, Multifetal	E4.520.50.60.600	E4.520.	
Pregnancy Reduction, Multifetal	E4.520.50.600	E4.520.	
Cerclage, Cervical	E4.520.100		
Colposcopy	E4.520.150	E1.370.	E1.370.
		E4.800.	E4.950.
Colpotomy	E4.520.155	E4.950.	
Culdoscopy	E4.520.160	E1.370.	E1.370.
		E4.800.	E4.950.
Delivery, Obstetric	E4.520.252		
Cesarean Section	E4.520.252.500		
Cesarean Section, Repeat	E4.520.252.500.150		
Episiotomy	E4.520.252.750		
Extraction, Obstetrical	E4.520.252.875		
Vacuum Extraction, Obstetrical	E4.520.252.875.970		
Labor, Induced	E4.520.252.968		
Vaginal Birth after Cesarean	E4.520.252.992		
Version, Fetal	E4.520.252.996		
Fetoscopy	E4.520.280	E1.370.	E1.370.
		E2.467.	E4.800.
Hysteroscopy	E4.520.360	E1.370.	E1.370.
		E4.800.	E4.950.
Hysterotomy	E4.520.365		
Neurosurgical Procedures	E4.525		
Anterior Temporal Lobectomy	E4.525.44		
Brain Tissue Transplantation	E4.525.90	E4.936.	
Cerebral Decortication	E4.525.160		
Hemispherectomy	E4.525.160.500		
Cerebrospinal Fluid Shunts	E4.525.170	E4.35.	
Ventriculoperitoneal Shunt	E4.525.170.850	E4.35.	
Ventriculostomy	E4.525.170.860	E4.35.	
Craniotomy	E4.525.190		
Denervation	E4.525.210		
Autonomic Denervation	E4.525.210.80		
Parasympathectomy	E4.525.210.80.600		
Vagotomy	E4.525.210.80.600.850	E4.525.	

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative			
Neurosurgical Procedures			
Denervation			
Autonomic Denervation			
Parasympathectomy			
Vagotomy			
Vagotomy, Proximal Gastric	E4.525.210.80.600.850.850	E4.525.	
Vagotomy, Truncal	E4.525.210.80.600.850.860	E4.525.	
Sympathectomy	E4.525.210.80.800		
Ganglionectomy	E4.525.210.80.800.380	E4.525.	
Sympathectomy, Chemical	E4.525.210.80.800.800		
Axotomy	E4.525.210.145		
Cordotomy	E4.525.210.210		
Ganglionectomy	E4.525.210.380	E4.525.	
Muscle Denervation	E4.525.210.500		
Nerve Block	E4.525.210.550	E3.155.	
Nerve Crush	E4.525.210.560		
Rhizotomy	E4.525.210.700		
Vagotomy	E4.525.210.850	E4.525.	
Vagotomy, Proximal Gastric	E4.525.210.850.850	E4.525.	
Vagotomy, Truncal	E4.525.210.850.860	E4.525.	
Hypophysectomy	E4.525.400	E4.270.	
Laminectomy	E4.525.450		
Nerve Transfer	E4.525.550		
Pallidotomy	E4.525.575		
Psychosurgery	E4.525.600	F4.570.	
Split-Brain Procedure	E4.525.770		
Stereotaxic Techniques	E4.525.800	E5.873	
Neuronavigation	E4.525.800.324	E1.158.	E1.370.
		E5.873.	
Radiosurgery	E4.525.800.650	E2.815.	E5.873.
Trephining	E4.525.850		
Ophthalmologic Surgical Procedures	E4.540		
Blepharoplasty	E4.540.104	E4.680.	
Dacryocystorhinostomy	E4.540.255	E4.579.	
Eye Enucleation	E4.540.429		
Eye Evisceration	E4.540.431		
Filtering Surgery	E4.540.450		
Sclerostomy	E4.540.450.600	E4.579.	
Trabeculectomy	E4.540.450.700		
Iridectomy	E4.540.480		
Light Coagulation	E4.540.630		
Laser Coagulation	E4.540.630.410	E2.594.	E4.416.
Orbit Evisceration	E4.540.760		
Refractive Surgical Procedures	E4.540.825		
Cataract Extraction	E4.540.825.249		
Capsulorhexis	E4.540.825.249.352		
Phacoemulsification	E4.540.825.249.704		
Corneal Transplantation	E4.540.825.374	E4.936.	
Epikeratophakia	E4.540.825.374.225	E4.936.	
Keratoplasty, Penetrating	E4.540.825.374.350	E4.936.	
Corneal Surgery, Laser	E4.540.825.437	E2.594.	E4.416.
Keratotomy, Subepithelial, Laser-Assisted	E4.540.825.437.249	E2.594.	E4.416.
Keratotomy, Laser In Situ	E4.540.825.437.374	E2.594.	E4.416.
Photorefractive Keratectomy	E4.540.825.437.500	E2.594.	E4.416.
Keratotomy, Radial	E4.540.825.550		
Lens Implantation, Intraocular	E4.540.825.600		
Scleroplasty	E4.540.825.968	E4.680.	
Scleral Buckling	E4.540.890		
Vitreotomy	E4.540.960		
Oral Surgical Procedures	E4.545	E6.645	
Apicoectomy	E4.545.100	E6.397.	E6.645.
Gingivectomy	E4.545.350	E6.645.	E6.721.
Gingivoplasty	E4.545.355	E6.645.	E6.721.

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative Oral Surgical Procedures Glossectomy

Glossectomy	E4.545.380	E6.645.	
Jaw Fixation Techniques	E4.545.440	E6.645.	
Mandibular Advancement	E4.545.500	E6.645.	E6.658.
Maxillofacial Prosthesis Implantation	E4.545.510	E4.650.	E6.645.
Mandibular Prosthesis Implantation	E4.545.510.500	E4.650.	E6.645.
Oral Surgical Procedures, Preprosthetic	E4.545.550	E6.645.	
Alveolar Ridge Augmentation	E4.545.550.100	E6.645.	
Alvelectomy	E4.545.550.110	E6.645.	
Alveoloplasty	E4.545.550.120	E6.645.	
Dental Implantation	E4.545.550.280	E4.650.	E6.231
Dental Implantation, Endosseous	E4.545.550.280.280	E6.645.	E6.780.
Blade Implantation	E4.545.550.280.280.150	E6.231.	E6.645.
Dental Implantation, Endosseous, Endodontic	E4.545.550.280.280.280	E6.231.	E6.397.
Dental Implantation, Subperiosteal	E4.545.550.280.290	E6.645.	E6.780.
Vestibuloplasty	E4.545.550.800	E6.645.	
Osteotomy, Le Fort	E4.545.575	E4.555.	E6.645.
Tooth Extraction	E4.545.700	E6.645.	
Serial Extraction	E4.545.700.680	E6.645.	E6.658.
Tooth Replantation	E4.545.710	E4.936.	E6.397.
Orthopedic Procedures	E4.555	E6.645.	
Amputation	E4.555.80	E2.718	
Disarticulation	E4.555.80.250		
Hemipelvectomy	E4.555.80.380		
Arthrodesis	E4.555.100		
Spinal Fusion	E4.555.100.700		
Arthroplasty	E4.555.110		
Arthroplasty, Subchondral	E4.555.110.54		
Arthroplasty, Replacement	E4.555.110.110	E4.650.	
Arthroplasty, Replacement, Finger	E4.555.110.110.54	E4.650.	
Arthroplasty, Replacement, Hip	E4.555.110.110.110	E4.650.	
Arthroplasty, Replacement, Knee	E4.555.110.110.115	E4.650.	
Arthroscopy	E4.555.113	E1.370.	E4.800.
Bone Lengthening	E4.555.120		
Ilizarov Technique	E4.555.120.380	E4.555.	
Osteogenesis, Distraction	E4.555.120.690		
Bone Transplantation	E4.555.130	E4.936.	
Bone-Patellar Tendon-Bone Graft	E4.555.130.100	E4.936.	
Diskectomy	E4.555.200		
Diskectomy, Percutaneous	E4.555.200.200		
Fracture Fixation	E4.555.300		
Fracture Fixation, Internal	E4.555.300.300		
Fracture Fixation, Intramedullary	E4.555.300.300.300		
Ilizarov Technique	E4.555.300.380	E4.555.	
Limb Salvage	E4.555.400	E4.100.	E4.680.
Osteotomy	E4.555.580		
Osteotomy, Le Fort	E4.555.580.580	E4.545.	E6.645.
Tendon Transfer	E4.555.700		
Tenodesis	E4.555.710	E4.901.	
Traction	E4.555.720		
Vertebroplasty	E4.555.860	E2.718.	
Ostomy	E4.579		
Cystostomy	E4.579.240	E4.950.	E4.950.

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative Ostomy Dacryocystorhinostomy

Dacryocystorhinostomy	E4.579.255	E4.540.	
Enterostomy	E4.579.338	E4.210.	
Cecostomy	E4.579.338.175	E4.210.	
Colostomy	E4.579.338.225	E4.210.	
Duodenostomy	E4.579.338.303	E4.210.	
Ileostomy	E4.579.338.508	E4.210.	
Jejunostomy	E4.579.338.523	E4.210.	
Esophagostomy	E4.579.358	E4.210.	
Gastrostomy	E4.579.408	E4.210.	
Middle Ear Ventilation	E4.579.592	E4.580.	
Nephrostomy, Percutaneous	E4.579.642	E1.370.	E4.950.
Pharyngostomy	E4.579.740	E4.580.	
Sclerostomy	E4.579.895	E4.540.	
Thoracostomy	E4.579.918	E4.928.	
Tracheostomy	E4.579.935	E4.580.	E4.928.
Ureterostomy	E4.579.947	E4.950.	
Otorhinolaryngologic Surgical Procedures	E4.580		
Adenoidectomy	E4.580.68		
Laryngectomy	E4.580.369		
Laryngoscopy	E4.580.373	E1.370.	E1.370.
Neck Dissection	E4.580.411	E4.800.	
Otologic Surgical Procedures	E4.580.450	E4.446.	
Auditory Brain Stem Implantation	E4.580.450.109	E4.650.	
Cochlear Implantation	E4.580.450.220	E4.650.	
Endolymphatic Shunt	E4.580.450.230	E4.35.	
Fenestration, Labyrinth	E4.580.450.277		
Middle Ear Ventilation	E4.580.450.472	E4.579.	
Myringoplasty	E4.580.450.505		
Ossicular Replacement	E4.580.450.600	E4.650.	
Stapes Surgery	E4.580.450.731		
Stapes Mobilization	E4.580.450.731.681		
Tympanoplasty	E4.580.450.873		
Pharyngectomy	E4.580.515		
Pharyngostomy	E4.580.540	E4.579.	
Rhinoplasty	E4.580.677	E2.218.	E4.680.
Tonsillectomy	E4.580.848		
Tracheostomy	E4.580.900	E4.579.	E4.928.
Tracheotomy	E4.580.907	E4.928.	
Paracentesis	E4.581	E1.450.	E2.800.
Amniocentesis	E4.581.100	E1.370.	E1.450.
Pericardiocentesis	E4.581.620	E1.450.	E2.800.
		E4.100.	E4.928.
Pelvic Exenteration	E4.584		
Perioperative Care	E4.604	E2.760.	N2.421.
Postoperative Care	E4.624	E2.760.	N2.421.
Postoperative Period	E4.630		
Anesthesia Recovery Period	E4.630.55	E3.160	
Preoperative Care	E4.641	E2.760.	N2.421.
Preanesthetic Medication	E4.641.619	E3.806	
Prosthesis Implantation	E4.650		
Arthroplasty, Replacement	E4.650.110	E4.555.	
Arthroplasty, Replacement, Finger	E4.650.110.54	E4.555.	
Arthroplasty, Replacement, Hip	E4.650.110.110	E4.555.	
Arthroplasty, Replacement, Knee	E4.650.110.115	E4.555.	
Auditory Brain Stem Implantation	E4.650.155	E4.580.	
Blood Vessel Prosthesis Implantation	E4.650.200	E4.100.	
Breast Implantation	E4.650.210	E2.218.	E4.680.

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative Prosthesis Implantation Cochlear Implantation

Cochlear Implantation	E4.650.220	E4.580.	
Dental Implantation	E4.650.230	E4.545.	E6.231
		E6.645.	E6.780.
Heart Valve Prosthesis Implantation	E4.650.410	E4.100.	E4.928.
Maxillofacial Prosthesis Implantation	E4.650.510	E4.545.	E6.645.
Mandibular Prosthesis Implantation	E4.650.510.500	E4.545.	E6.645.
Ossicular Replacement	E4.650.600	E4.580.	
Penile Implantation	E4.650.620	E4.950.	
Reconstructive Surgical Procedures	E4.680		
Blepharoplasty	E4.680.104	E4.540.	
Cervicoplasty	E4.680.152		
Chemexfoliation	E4.680.200	E2.218.	
Dermabrasion	E4.680.250	E2.218.	
Guided Tissue Regeneration	E4.680.300		
Guided Tissue Regeneration, Periodontal	E4.680.300.500	E6.645.	E6.721.
Limb Salvage	E4.680.350	E4.100.	E4.555.
Lipectomy	E4.680.450	E2.65.	E2.218.
		E4.62.	
Mammoplasty	E4.680.500	E2.218.	
Breast Implantation	E4.680.500.210	E2.218.	E4.650.
Rhinoplasty	E4.680.650	E2.218.	E4.580.
Rhytidoplasty	E4.680.655	E2.218.	
Scleroplasty	E4.680.700	E4.540.	
Tissue Expansion	E4.680.800		
Reoperation	E4.690		
Second-Look Surgery	E4.708		
Splenectomy	E4.726		
Surgical Procedures, Elective	E4.772		
Surgical Procedures, Minimally Invasive	E4.800		
Endoscopy	E4.800.250	E1.370.	
Angioscopy	E4.800.250.35	E1.370.	E1.370.
		E4.100.	
Arthroscopy	E4.800.250.70	E1.370.	E4.555.
Bronchoscopy	E4.800.250.100	E1.370.	E1.370.
		E4.928.	
Colposcopy	E4.800.250.150	E1.370.	E1.370.
		E4.520.	E4.950.
Culdoscopy	E4.800.250.160	E1.370.	E1.370.
		E4.520.	E4.950.
Cystoscopy	E4.800.250.180	E1.370.	E1.370.
		E4.950.	
Endoscopy, Digestive System	E4.800.250.250	E1.370.	E1.370.
		E4.210.	
Cholangiopancreatography, Endoscopic Retrograde	E4.800.250.250.160	E1.370.	E1.370.
		E1.370.	E1.370.
		E4.210.	
Endoscopy, Gastrointestinal	E4.800.250.250.250	E1.370.	E1.370.
		E4.210.	
Colonoscopy	E4.800.250.250.250.160	E1.370.	E1.370.
		E4.210.	
Sigmoidoscopy	E4.800.250.250.250.160.800	E1.370.	E1.370.
		E4.210.	
Duodenoscopy	E4.800.250.250.250.200	E1.370.	E1.370.
		E4.210.	
Gastrosocopy	E4.800.250.250.250.320	E1.370.	E1.370.
		E4.210.	
Proctoscopy	E4.800.250.250.250.680	E1.370.	E1.370.
		E4.210.	
Sphincterotomy, Endoscopic	E4.800.250.250.250.840	E4.210.	E4.210.

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative			
Surgical Procedures, Minimally Invasive			
Endoscopy			
Endoscopy, Digestive System			
Esophagoscopy			
Esophagoscopy	E4.800.250.250.260	E1.370.	E1.370.
		E4.210.	
Fetoscopy	E4.800.250.280	E1.370.	E1.370.
		E2.467.	E4.520.
Hysteroscopy	E4.800.250.360	E1.370.	E1.370.
		E4.520.	E4.950.
Laparoscopy	E4.800.250.520	E1.370.	
Cholecystectomy, Laparoscopic	E4.800.250.520.160	E4.210.	
Laryngoscopy	E4.800.250.525	E1.370.	E1.370.
		E4.580.	
Mediastinoscopy	E4.800.250.560	E1.370.	E4.928.
Neuroendoscopy	E4.800.250.700	E1.370.	
Thoracoscopy	E4.800.250.840	E1.370.	E4.928.
Thoracic Surgery, Video-Assisted	E4.800.250.840.830	E1.370.	E1.370.
		E4.800.	E4.928.
Ureteroscopy	E4.800.250.920	E1.370.	E1.370.
		E4.950.	
Video-Assisted Surgery	E4.800.250.950	E1.370.	
Thoracic Surgery, Video-Assisted	E4.800.250.950.830	E1.370.	E1.370.
		E4.800.	E4.928.
Magnetic Resonance Imaging, Interventional	E4.800.560	E1.370.	
Radiography, Interventional	E4.800.780	E1.370.	E2.148.
Surgical Procedures, Minor	E4.806		
Suture Techniques	E4.901		
Surgical Stapling	E4.901.800		
Tenodesis	E4.901.900	E4.555.	
Symphysiotomy	E4.910		
Thoracic Surgical Procedures	E4.928		
Cardiac Surgical Procedures	E4.928.220	E4.100.	
Cardiomyoplasty	E4.928.220.220	E4.100.	
Heart Arrest, Induced	E4.928.220.360	E4.100.	
Circulatory Arrest, Deep Hypothermia Induced	E4.928.220.360.500	E4.100.	
Heart Bypass, Right	E4.928.220.370	E4.35.	E4.100.
Fontan Procedure	E4.928.220.370.295	E4.35.	E4.100.
Heart Massage	E4.928.220.380	E2.365.	
Heart Transplantation	E4.928.220.390	E4.100.	E4.936.
Heart-Lung Transplantation	E4.928.220.390.450	E4.100.	E4.928.
		E4.936.	E4.936.
Heart Valve Prosthesis Implantation	E4.928.220.410	E4.100.	E4.650.
Myocardial Revascularization	E4.928.220.520	E4.100.	
Angioplasty, Transluminal, Percutaneous Coronary	E4.928.220.520.100	E2.148.	E2.148.
		E4.100.	E4.100.
Atherectomy, Coronary	E4.928.220.520.110	E2.148.	E4.100.
		E4.100.	
Coronary Artery Bypass	E4.928.220.520.220	E4.100.	
Coronary Artery Bypass, Off-Pump	E4.928.220.520.220.189	E4.100.	
Internal Mammary-Coronary Artery Anastomosis	E4.928.220.520.220.380	E4.100.	
Pericardial Window Techniques	E4.928.220.600	E4.35.	E4.100.
Pericardiectomy	E4.928.220.605	E4.100.	
Pericardiocentesis	E4.928.220.620	E1.450.	E2.800.
		E4.100.	E4.581.
Mediastinoscopy	E4.928.490	E1.370.	E4.800.
Pulmonary Surgical Procedures	E4.928.600		
Bronchoscopy	E4.928.600.80	E1.370.	E1.370.
		E4.800.	
Collapse Therapy	E4.928.600.220		
Pneumonolysis	E4.928.600.220.610	E4.928.	
Pneumothorax, Artificial	E4.928.600.220.620		
Lung Transplantation	E4.928.600.495	E4.936.	

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative			
Thoracic Surgical Procedures			
Pulmonary Surgical Procedures			
Lung Transplantation			
Heart-Lung Transplantation			
Heart-Lung Transplantation	E4.928.600.495.450	E4.100.	E4.928.
Pneumonectomy	E4.928.600.600	E4.936.	E4.936.
Pneumonolysis	E4.928.600.610	E4.928.	
Thoracoplasty	E4.928.750		
Thoracoscopy	E4.928.752	E1.370.	E4.800.
Thoracic Surgery, Video-Assisted	E4.928.752.830	E1.370.	E1.370.
		E4.800.	E4.800.
Thoracostomy	E4.928.755	E4.579.	
Thoracotomy	E4.928.760		
Thymectomy	E4.928.770		
Tracheostomy	E4.928.780	E4.579.	E4.580.
Tracheotomy	E4.928.790	E4.580.	
Tissue and Organ Harvesting	E4.932	E1.450.	
Donor Selection	E4.932.500	N2.421.	
Oocyte Retrieval	E4.932.625	E2.875.	E5.820.
Sperm Retrieval	E4.932.750	E2.875.	E5.820.
Transplantation	E4.936		
Cell Transplantation	E4.936.225		
Islets of Langerhans Transplantation	E4.936.225.375	E4.270.	
Stem Cell Transplantation	E4.936.225.687		
Cord Blood Stem Cell Transplantation	E4.936.225.687.312		
Hematopoietic Stem Cell Transplantation	E4.936.225.687.500		
Mesenchymal Stem Cell Transplantation	E4.936.225.687.625		
Peripheral Blood Stem Cell Transplantation	E4.936.225.687.750		
Cold Ischemia	E4.936.337	E5.760.	
Organ Transplantation	E4.936.450		
Bone Transplantation	E4.936.450.50	E4.555.	
Bone-Patellar Tendon-Bone Graft	E4.936.450.50.100	E4.555.	
Facial Transplantation	E4.936.450.262		
Heart Transplantation	E4.936.450.475	E4.100.	E4.928.
Heart-Lung Transplantation	E4.936.450.475.450	E4.100.	E4.928.
		E4.928.	E4.936.
Kidney Transplantation	E4.936.450.485	E2.870.	E4.950.
Liver Transplantation	E4.936.450.490	E4.210.	E4.936.
Lung Transplantation	E4.936.450.495	E4.928.	
Heart-Lung Transplantation	E4.936.450.495.450	E4.100.	E4.928.
		E4.928.	E4.936.
Pancreas Transplantation	E4.936.450.650	E4.210.	
Replantation	E4.936.494		
Tooth Replantation	E4.936.494.711	E4.545.	E6.397.
		E6.645.	
Tissue Transplantation	E4.936.580		
Bone Marrow Transplantation	E4.936.580.40		
Brain Tissue Transplantation	E4.936.580.90	E4.525.	
Corneal Transplantation	E4.936.580.225	E4.540.	
Epikeratophakia	E4.936.580.225.225	E4.540.	
Keratoplasty, Penetrating	E4.936.580.225.350	E4.540.	
Fetal Tissue Transplantation	E4.936.580.300		
Liver Transplantation	E4.936.580.490	E4.210.	E4.936.
Skin Transplantation	E4.936.580.700		
Transplantation, Autologous	E4.936.664		
Transplantation, Heterologous	E4.936.764		
Transplantation, Heterotopic	E4.936.800		
Transplantation, Homologous	E4.936.864		
Transplantation, Isogeneic	E4.936.864.700		
Warm Ischemia	E4.936.932		
Urogenital Surgical Procedures	E4.950		

E4 - PROCEDURES AND TECHNIQUES-SURGICAL

Surgical Procedures, Operative Urogenital Surgical Procedures Castration

Castration	E4.950.165	E4.270.	
Orchiectomy	E4.950.165.679	E4.270.	E4.950.
Ovariectomy	E4.950.165.685	E4.270.	E4.950.
Gynecologic Surgical Procedures	E4.950.300		
Circumcision, Female	E4.950.300.200	E2.218.	E4.85.
		I1.76.	
Colposcopy	E4.950.300.210	E1.370.	E1.370.
		E4.520.	E4.800.
Colpotomy	E4.950.300.220	E4.520.	
Culdoscopy	E4.950.300.259	E1.370.	E1.370.
		E4.520.	E4.800.
Dilatation and Curettage	E4.950.300.299	E4.157.	
Vacuum Curettage	E4.950.300.299.970	E4.157.	
Hysterectomy	E4.950.300.399		
Hysterectomy, Vaginal	E4.950.300.399.380		
Hysteroscopy	E4.950.300.539	E1.370.	E1.370.
		E4.520.	E4.800.
Ovariectomy	E4.950.300.680	E4.270.	E4.950.
Salpingostomy	E4.950.300.750	E4.35.	
Sterilization, Tubal	E4.950.300.766	E4.950.	
Sterilization, Reproductive	E4.950.599	E2.875.	
Sterilization, Involuntary	E4.950.599.450		
Sterilization Reversal	E4.950.599.500		
Vasovasostomy	E4.950.599.500.800	E4.35.	E4.950.
Sterilization, Tubal	E4.950.599.683	E4.950.	
Vasectomy	E4.950.599.900	E4.950.	
Urologic Surgical Procedures	E4.950.774		
Cystectomy	E4.950.774.150		
Cystoscopy	E4.950.774.155	E1.370.	E1.370.
		E4.800.	
Cystostomy	E4.950.774.156	E4.579.	E4.950.
Cystotomy	E4.950.774.162		
Kidney Transplantation	E4.950.774.400	E2.870.	E4.936.
Nephrectomy	E4.950.774.435		
Ureteroscopy	E4.950.774.840	E1.370.	E1.370.
		E4.800.	
Urinary Diversion	E4.950.774.852		
Cystostomy	E4.950.774.852.240	E4.579.	E4.950.
Nephrostomy, Percutaneous	E4.950.774.852.642	E1.370.	E4.579.
Ureterostomy	E4.950.774.852.947	E4.579.	
Urologic Surgical Procedures, Male	E4.950.774.860		
Circumcision, Male	E4.950.774.860.226	E2.218.	E4.85.
Orchiectomy	E4.950.774.860.618	E4.270.	E4.950.
Penile Implantation	E4.950.774.860.620	E4.650.	
Prostatectomy	E4.950.774.860.625		
Transurethral Resection of Prostate	E4.950.774.860.625.750		
Ultrasound, High-Intensity Focused, Transrectal	E4.950.774.860.800	E2.565.	
Vasectomy	E4.950.774.860.856	E4.950.	
Vasovasostomy	E4.950.774.860.956	E4.35.	E4.950.