Evaluation and Management

99354  Prolonged evaluation and management or psychotherapy service(s) (beyond the typical service time of the primary procedure) in the office or other outpatient setting requiring direct patient contact beyond the usual service; first hour (List separately in addition to code for office or other outpatient Evaluation and Management or psychotherapy service)

99355  each additional 30 minutes (List separately in addition to code for prolonged service)

99415  Prolonged clinical staff service (the service beyond the typical service time) during an evaluation and management service in the office or outpatient setting, direct patient contact with physician supervision; first hour (List separately in addition to code for outpatient Evaluation and Management service)

99416  each additional 30 minutes (List separately in addition to code for prolonged service)

Surgery

10035  Placement of soft tissue localization device(s) (eg, clip, metallic pellet, wire/needle, radioactive seeds), percutaneous, including imaging guidance; first lesion

10036  each additional lesion (List separately in addition to code for primary procedure)

21805  Open treatment of rib fracture without fixation, each

31620  Endobronchial ultrasound (EBUS) during bronchoscopic diagnostic or therapeutic intervention(s) (List separately in addition to code for primary procedure[s])

31632  with transbronchial lung biopsy(s), each additional lobe (List separately in addition to code for primary procedure)

31633  with transbronchial needle aspiration biopsy(s), each additional lobe (List separately in addition to code for primary procedure)

31652  with endobronchial ultrasound (EBUS) guided transtracheal and/or transbronchial sampling (eg, aspiration[ses]/biopsy[ies]), one or two mediastinal and/or hilar lymph node stations or structures

31653  with endobronchial ultrasound (EBUS) guided transtracheal and/or transbronchial sampling (eg, aspiration[ses]/biopsy[ies]), 3 or more mediastinal and/or hilar lymph node stations or structures

31654  with transendoscopic endobronchial ultrasound (EBUS) during bronchoscopic diagnostic or therapeutic intervention(s) for peripheral lesion(s) (List separately in addition to code for primary procedure[s])

33477  Transcatheter pulmonary valve implantation, percutaneous approach, including pre-stenting of the valve delivery site, when performed

37184  Primary percutaneous transluminal mechanical thrombectomy, noncoronary, non-
intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); initial vessel

37185  second and all subsequent vessel(s) within the same vascular family (List separately in addition to code for primary mechanical thrombectomy procedure)

37186  Secondary percutaneous transluminal thrombectomy (eg, nonprimary mechanical, snare basket, suction technique), noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injections, provided in conjunction with another percutaneous intervention other than primary mechanical thrombectomy (List separately in addition to code for primary procedure)

37202  Transcatheter therapy, infusion other than for thrombolysis, any type (eg, spasmolytic, vasoconstrictive)

37211  Transcatheter therapy, arterial infusion for thrombolysis other than coronary or intracranial, any method, including radiological supervision and interpretation, initial treatment day

37250  Intravascular ultrasound (non-coronary vessel) during diagnostic evaluation and/or therapeutic intervention; initial vessel (List separately in addition to code for primary procedure)

37251  each additional vessel (List separately in addition to code for primary procedure)

37252  Intravascular ultrasound (noncoronary vessel) during diagnostic evaluation and/or therapeutic intervention, including radiological supervision and interpretation; initial noncoronary vessel (List separately in addition to code for primary procedure)

37253  each additional noncoronary vessel (List separately in addition to code for primary procedure)

39400  Mediastinoscopy, includes biopsy(ies), when performed

39401  Mediastinoscopy; includes biopsy(ies) of mediastinal mass (eg, lymphoma), when performed

39402  with lymph node biopsy(ies) (eg, lung cancer staging)

43210  with esophagogastric fundoplasty, partial or complete, includes duodenoscopy when performed

47136  heterotopic, partial or whole, from cadaver or living donor, any age

47500  Injection procedure for percutaneous transhepatic cholangiography

47505  Injection procedure for cholangiography through an existing catheter (eg, percutaneous transhepatic or T-tube)

47510  Introduction of percutaneous transhepatic catheter for biliary drainage

47514  Introduction of percutaneous transhepatic stent for internal and external biliary drainage
47525 Change of percutaneous biliary drainage catheter

47530 Revision and/or reinsertion of transhepatic tube

47531 Injection procedure for cholangiography, percutaneous, complete diagnostic procedure including imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation; existing access

47532 new access (eg, percutaneous transhepatic cholangiogram)

47533 Placement of biliary drainage catheter, percutaneous, including diagnostic cholangiography when performed, imaging guidance (eg, ultrasound and/or fluoroscopy), and all associated radiological supervision and interpretation; external

47534 internal-external

47535 Conversion of external biliary drainage catheter to internal-external biliary drainage catheter, percutaneous, including diagnostic cholangiography when performed, imaging guidance (eg, fluoroscopy), and all associated radiological supervision and interpretation

47536 Exchange of biliary drainage catheter (eg, external, internal-external, or conversion of internal-external to external only), percutaneous, including diagnostic cholangiography when performed, imaging guidance (eg, fluoroscopy), and all associated radiological supervision and interpretation

47537 Removal of biliary drainage catheter, percutaneous, requiring fluoroscopic guidance (eg, with concurrent indwelling biliary stents), including diagnostic cholangiography when performed, imaging guidance (eg, fluoroscopy), and all associated radiological supervision and interpretation

47538 Placement of stent(s) into a bile duct, percutaneous, including diagnostic cholangiography, imaging guidance (eg, fluoroscopy and/or ultrasound), balloon dilation, catheter exchange(s) and catheter removal(s) when performed, and all associated radiological supervision and interpretation, each stent; existing access

47539 new access, without placement of separate biliary drainage catheter

47540 new access, with placement of separate biliary drainage catheter (eg, external or internal-external)

47541 Placement of access through the biliary tree and into small bowel to assist with an endoscopic biliary procedure (eg, rendezvous procedure), percutaneous, including diagnostic cholangiography when performed, imaging guidance (eg, ultrasound and/or fluoroscopy), and all associated radiological supervision and interpretation, new access

47542 Balloon dilation of biliary duct(s) or of ampulla (sphincteroplasty), percutaneous, including imaging guidance (eg, fluoroscopy), and all associated radiological supervision and interpretation, each duct (List separately in addition to code for primary procedure)

47543 Endoluminal biopsy(ies) of biliary tree, percutaneous, any method(s) (eg, brush, forceps, and/or needle), including imaging guidance (eg, fluoroscopy), and all associated radiological supervision and interpretation, single or multiple (List separately in addition to
code for primary procedure)

47544 Removal of calculi/debris from biliary duct(s) and/or gallbladder, percutaneous, including destruction of calculi by any method (eg, mechanical, electrohydraulic, lithotripsy) when performed, imaging guidance (eg, fluoroscopy), and all associated radiological supervision and interpretation (List separately in addition to code for primary procedure)

47560 Laparoscopy, surgical; with guided transhepatic cholangiography, without biopsy

47561 with guided transhepatic cholangiography with biopsy

47630 Biliary duct stone extraction, percutaneous via T-tube tract, basket, or snare (eg, Burhenne technique)

49185 Sclerotherapy of a fluid collection (eg, lymphocele, cyst, or seroma), percutaneous, including contrast injection(s), sclerosant injection(s), diagnostic study, imaging guidance (eg, ultrasound, fluoroscopy) and radiological supervision and interpretation when performed

50387 Removal and replacement of externally accessible transnephric ureteral stent, nephroureteral catheter (eg, external/internal stent) requiring fluoroscopic guidance, including radiological supervision and interpretation

50392 Introduction of intracatheter or catheter into renal pelvis for drainage and/or injection, percutaneous

50393 Introduction of ureteral catheter or stent into ureter through renal pelvis for drainage and/or injection, percutaneous

50394 Injection procedure for pyelography (as nephrostogram, pyelostogram, antegrade pyeloureterograms) through nephrostomy or pyelostomy tube, or indwelling ureteral catheter

50398 Change of nephrostomy or pyelostomy tube

50430 Injection procedure for antegrade nephrostogram and/or ureterogram, complete diagnostic procedure including imaging guidance (eg, ultrasound and fluoroscopy) and all associated radiological supervision and interpretation; new access

50431 existing access

50432 Placement of nephrostomy catheter, percutaneous, including diagnostic nephrostogram and/or ureterogram when performed, imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation

50433 Placement of nephroureteral catheter, percutaneous, including diagnostic nephrostogram and/or ureterogram when performed, imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation, new access

50434 Convert nephrostomy catheter to nephroureteral catheter, percutaneous, including diagnostic nephrostogram and/or ureterogram when performed, imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation, via pre-existing nephrostomy tract
50435 Exchange nephrostomy catheter, percutaneous, including diagnostic nephrostogram and/or ureterogram when performed, imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation

50606 Endoluminal biopsy of ureter and/or renal pelvis, non-endoscopic, including imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation (List separately in addition to code for primary procedure)

50693 Placement of ureteral stent, percutaneous, including diagnostic nephrostogram and/or ureterogram when performed, imaging guidance (eg, ultrasound and/or fluoroscopy), and all associated radiological supervision and interpretation; pre-existing nephrostomy tract

50694 new access, without separate nephrostomy catheter

50695 new access, with separate nephrostomy catheter

50705 Ureteral embolization or occlusion, including imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation (List separately in addition to code for primary procedure)

50706 Balloon dilation, ureteral stricture, including imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation (List separately in addition to code for primary procedure)

54437 Repair of traumatic corporeal tear(s)

54438 Replantation, penis, complete amputation including urethral repair

61645 Percutaneous arterial transluminal mechanical thrombectomy and/or infusion for thrombolysis, intracranial, any method, including diagnostic angiography, fluoroscopic guidance, catheter placement, and intraprocedural pharmacological thrombolytic injection(s)

61650 Endovascular intracranial prolonged administration of pharmacologic agent(s) other than for thrombolysis, arterial, including catheter placement, diagnostic angiography, and imaging guidance; initial vascular territory

61651 each additional vascular territory (List separately in addition to code for primary procedure)

64412 spinal accessory nerve

64461 Paravertebral block (PVB) (paraspinal block), thoracic; single injection site (includes imaging guidance, when performed)

64462 second and any additional injection site(s) (includes imaging guidance, when performed) (List separately in addition to code for primary procedure)

64463 continuous infusion by catheter (includes imaging guidance, when performed)

65785 Implantation of intrastromal corneal ring segments
Trabeculoplasty by laser surgery, 1 or more sessions (defined treatment series)

Repair of retinal detachment, 1 or more sessions; cryotherapy or diathermy, with or without including drainage of subretinal fluid, when performed

Repair of retinal detachment; cryotherapy or photocoagulation, with or without including drainage of subretinal fluid, when performed

Repair of retinal detachment; scleral buckling (such as lamellar scleral dissection, imbrication or encircling procedure), with or without including, when performed, implant, with or without cryotherapy, photocoagulation, and drainage of subretinal fluid

Repair of retinal detachment; scleral buckling (such as lamellar scleral dissection, imbrication or encircling procedure), with or without including, when performed, implant, with or without cryotherapy, photocoagulation, and drainage of subretinal fluid

Repair of retinal detachment; scleral buckling (such as lamellar scleral dissection, imbrication or encircling procedure), with or without including, when performed, implant, with or without cryotherapy, photocoagulation, and drainage of subretinal fluid

by scleral buckling or vitrectomy, on patient having previous ipsilateral retinal detachment repair(s) using scleral buckling or vitrectomy techniques

Repair of complex retinal detachment (eg, proliferative vitreoretinopathy, stage C-1 or greater, diabetic traction retinal detachment, retinopathy of prematurity, retinal tear of greater than 90 degrees), with vitrectomy and membrane peeling, including, may include when performed, air, gas, or silicone oil tamponade, cryotherapy, endolaser photocoagulation, drainage of subretinal fluid, scleral buckling, and/or removal of lens

Destruction of extensive or progressive retinopathy (eg, diabetic retinopathy), 1 or more sessions, cryotherapy, diathermy

Treatment of extensive or progressive retinopathy (eg, diabetic retinopathy), photocoagulation; (eg, diabetic retinopathy), photocoagulation

Removal impacted cerumen using irrigation/lavage, unilateral

Radiology

Laryngography, contrast, radiological supervision and interpretation

Radiologic examination, spine, entire, survey study, anteroposterior and lateral

Radiologic examination, spine, thoracolumbar, standing (scoliosis)

thoracolumbar junction, minimum of 2 views

Radiologic examination, spine, entire thoracic and lumbar, including skull, cervical and sacral spine if performed (eg, scoliosis evaluation); one view

2 or 3 views

4 or 5 views
72084 minimum of 6 views

72090 scoliosis study, including supine and erect studies

73500 Radiologic examination, hip, unilateral; 1 view

73501 Radiologic examination, hip, unilateral, with pelvis when performed; 1 view

73502 2-3 views

73503 minimum of 4 views

73510 complete, minimum of 2 views

73520 Radiologic examination, hips, bilateral, minimum of 2 views of each hip, including anteroposterior view of pelvis

73521 Radiologic examination, hips, bilateral, with pelvis when performed; 2 views

73522 3-4 views

73523 minimum of 5 views

74240 Radiologic examination, gastrointestinal tract, upper; with or without delayed filmsimages, without KUB

74241 with or without delayed filmsimages, with KUB

74245 with small intestine, includes multiple serial filmsimages

74246 Radiological examination, gastrointestinal tract, upper, air contrast, with specific high density barium, effervescent agent, with or without glucagon; with or without delayed filmsimages, without KUB

74247 with or without delayed filmsimages, with KUB

74250 Radiologic examination, small intestine, includes multiple serial filmsimages

74251 via enteroclysis tube
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74305</td>
<td>through existing catheter, radiological supervision and interpretation</td>
</tr>
<tr>
<td>74320</td>
<td>Cholangiography, percutaneous, transhepatic, radiological supervision and interpretation</td>
</tr>
<tr>
<td>74327</td>
<td>Postoperative biliary duct calculus removal, percutaneous via T-tube tract, basket, or snare (eg, Burhenne technique), radiological supervision and interpretation</td>
</tr>
<tr>
<td>▲ 74340</td>
<td>Introduction of long gastrointestinal tube (eg, Miller-Abbott), including multiple fluoroscopies and filmimages, radiological supervision and interpretation</td>
</tr>
<tr>
<td>74475</td>
<td>Introduction of intracatheter or catheter into renal pelvis for drainage and/or injection, percutaneous, radiological supervision and interpretation</td>
</tr>
<tr>
<td>74480</td>
<td>Introduction of ureteral catheter or stent into ureter through renal pelvis for drainage and/or injection, percutaneous, radiological supervision and interpretation</td>
</tr>
<tr>
<td>● 74712</td>
<td>Magnetic resonance (eg, proton) imaging, fetal, including placental and maternal pelvic imaging when performed; single or first gestation</td>
</tr>
<tr>
<td>+● 74713</td>
<td>each additional gestation (List separately in addition to code for primary procedure)</td>
</tr>
<tr>
<td>75896</td>
<td>Transcatheter therapy, infusion, other than for thrombolysis, radiological supervision and interpretation</td>
</tr>
<tr>
<td>75945</td>
<td>Intravascular ultrasound (non-coronary vessel), radiological supervision and interpretation; initial vessel</td>
</tr>
<tr>
<td>75946</td>
<td>each additional non-coronary vessel (List separately in addition to code for primary procedure)</td>
</tr>
<tr>
<td>75980</td>
<td>Percutaneous transhepatic biliary drainage with contrast monitoring, radiological supervision and interpretation</td>
</tr>
<tr>
<td>75982</td>
<td>Percutaneous placement of drainage catheter for combined internal and external biliary drainage or of a drainage stent for internal biliary drainage in patients with an inoperable mechanical biliary obstruction, radiological supervision and interpretation</td>
</tr>
<tr>
<td>▲ 77057</td>
<td>Screening mammography, bilateral (2-view film study of each breast)</td>
</tr>
<tr>
<td>▲ 77417</td>
<td>Therapeutic radiology port filmimage(s)</td>
</tr>
<tr>
<td>● 77767</td>
<td>Remote afterloading high dose rate radionuclide skin surface brachytherapy, includes basic dosimetry, when performed; lesion diameter up to 2.0 cm or 1 channel</td>
</tr>
<tr>
<td>● 77768</td>
<td>lesion diameter over 2.0 cm and 2 or more channels, or multiple lesions</td>
</tr>
<tr>
<td>● 77770</td>
<td>Remote afterloading high dose rate radionuclide interstitial or intracavitary brachytherapy, includes basic dosimetry, when performed; 1 channel</td>
</tr>
<tr>
<td>● 77771</td>
<td>2-12 channels</td>
</tr>
</tbody>
</table>
• 77772 over 12 channels

77776 Interstitial radiation source application, simple

77777 intermediate

▲ 77778 Interstitial radiation source application, complex, includes supervision, handling, loading of radiation source, when performed; complex

77785 Remote afterloading high dose rate radionuclide brachytherapy; 1 channel

77786 2-12 channels

77787 over 12 channels

▲ 77789 Surface application of low dose rate radionuclide source

▲ 78264 Gastric emptying imaging study (eg, solid, liquid, or both)

• 78265 with small bowel transit

• 78266 with small bowel and colon transit, multiple days

Pathology and Laboratory

#• 80081 Obstetric panel (includes HIV testing)
This panel must include the following:
Blood count, complete (CBC), and automated differential WBC count (85025 or 85027 and 85004)
OR
Blood count, complete (CBC), automated (85027) and appropriate manual differential WBC count (85007 or 85009)
Hepatitis B surface antigen (HBsAg) (87340)
HIV-1 antigen(s), with HIV-1 and HIV-2 antibodies, single result (87389)
Antibody, rubella (86762)
Syphilis test, non-treponemal antibody; qualitative (eg, VDRL, RPR, ART) (86592)
Antibody screen, RBC, each serum technique (86850)
Blood typing, ABO (86900) AND
Blood typing, Rh (D) (86901)

• 81170 ABL1 (ABL proto-oncogene 1, non-receptor tyrosine kinase) (eg, acquired imatinib tyrosine kinase inhibitor resistance), gene analysis, variants in the kinase domain

▲ 81210 BRAF (vB-raf murine sarcoma viral Raf proto-oncogene homolog B1, serine/threonine kinase) (eg, colon cancer, melanoma), gene analysis, V600E variant(s)

#• 81162 full sequence analysis and full duplication/deletion analysis

• 81218 CEBPA (CCAAT/enhancer binding protein [C/EBP], alpha) (eg, acute myeloid leukemia), gene analysis, full gene sequence
CALR (calreticulin) (eg, myeloproliferative disorders), gene analysis, common variants in exon 9

KIT (v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog) (eg, gastrointestinal stromal tumor [GIST], acute myeloid leukemia, melanoma), gene analysis, targeted sequence analysis (eg, exons 8, 11, 13, 17, 18)

KIT (v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog) (eg, mastocytosis), gene analysis, D816 variant(s)

KRAS (v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog) (eg, carcinoma) gene analysis, variants in codons 12 and 13; variants in exon 2 (eg, codons 12 and 13)

additional variant(s) (eg, codon 61, codon 146)

NRAS (neuroblastoma RAS viral [v-ras] oncogene homolog) (eg, colorectal carcinoma), gene analysis, variants in exon 2 (eg, codons 12 and 13) and exon 3 (eg, codon 61)

PDGFRA (platelet-derived growth factor receptor, alpha polypeptide) (eg, gastrointestinal stromal tumor [GIST]), gene analysis, targeted sequence analysis (eg, exons 12, 18)

VKORC1 (vitamin K epoxide reductase complex, subunit 1) (eg, warfarin metabolism), gene analysis, common variants(s) (eg, -1639/36731639G>A, c.173+1000C>T)

Molecular pathology procedure, Level 2 (eg, 2-10 SNPs, 1 methylated variant, or 1 somatic variant [typically using nonsequencing target variant analysis], or detection of a dynamic mutation disorder/triplet repeat)

ABL1 (ABL (eproto-abl oncogene 1, non-receptor tyrosine kinase) (eg, acquired imatinib resistance), T315I variant

DEK/NUP214 (t(6;9)) (eg, acute myeloid leukemia), translocation analysis, qualitative, and quantitative, if performed

IGH@/BCL2 (t(14;18)) (eg, follicular lymphoma), translocation analysis; single breakpoint (eg, major breakpoint region [MBR] or minor cluster region [mcr]), qualitative or quantitative

(When both MBR and mcr breakpoints are performed, use 81402)

Molecular pathology procedure, Level 3 (eg, >10 SNPs, 2-10 methylated variants, or 2-10 somatic variants [typically using non-sequencing target variant analysis], immunoglobulin and T-cell receptor gene rearrangements, duplication/deletion variants of 1 exon, loss of heterozygosity [LOH], uniparental disomy [UPD])

KIT (v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog) (eg, mastocytosis), common variants (eg, D816V, D816Y, D816F)

Molecular pathology procedure, Level 4 (eg, analysis of single exon by DNA sequence analysis, analysis of >10 amplicons using multiplex PCR in 2 or more independent reactions, mutation scanning or duplication/deletion variants of 2-5 exons)

ABL1 (c-abl oncogene 1, receptor tyrosine kinase) (eg, acquired imatinib tyrosine kinase inhibitor resistance), variants in the kinase domain

CEBPA (CCAAT/enhancer binding protein [C/EBP], alpha) (eg, acute myeloid leukemia), full gene sequence

KRAS (v-Ki-ras2 Kirsten rat sarcoma viral oncogene) (eg, carcinoma), gene analysis,
variant(s) in exon 3 (eg. codon 61)

▲ 81404 Molecular pathology procedure, Level 5 (eg, analysis of 2-5 exons by DNA sequence analysis, mutation scanning or duplication/deletion variants of 6-10 exons, or characterization of a dynamic mutation disorder/triplet repeat by Southern blot analysis)

**KIT (C-kit) (v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog)** (eg, GIST, acute myeloid leukemia, melanoma), targeted gene analysis (eg, exons 8, 11, 13, 17, 18)

**NRAS (neuroblastoma RAS viral oncogene homolog)** (eg, colorectal carcinoma), exon 1 and exon 2 sequences

**PDGFERA (platelet-derived growth factor receptor alpha polypeptide)** (eg, gastrointestinal stromal tumor), targeted sequence analysis (eg, exons 12, 18)

▲ 81405 Molecular pathology procedure, Level 6 (eg, analysis of 6-10 exons by DNA sequence analysis, mutation scanning or duplication/deletion variants of 11-25 exons, regionally targeted cytogenomic array analysis)

**KRAS (v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog)** (eg, Noonan syndrome), full gene sequence

▲ 81406 Molecular pathology procedure, Level 7 (eg, analysis of 11-25 exons by DNA sequence analysis, mutation scanning or duplication/deletion variants of 26-50 exons, cytogenomic array analysis for neoplasia)

**BRAF (v-B-raf murine sarcoma viral Raf proto-oncogene homolog B1, serine/threonine kinase)** (eg, Noonan syndrome), full gene sequence

**PCSK9 (proprotein convertase subtilisin/kexin type 9)** (eg, familial hypercholesterolemia), full gene sequence

● 81412 Ashkenazi Jewish associated disorders (eg, Bloom syndrome, Canavan disease, cystic fibrosis, familial dysautonomia, Fanconi anemia group C, Gaucher disease, Tay-Sachs disease), genomic sequence analysis panel, must include sequencing of at least 9 genes, including **ASPA, BLM, CFTR, FANCC, GBA, HEXA, IKBKAP, MCOLN1, and SMPD1**

● 81432 Hereditary breast cancer-related disorders (eg, hereditary breast cancer, hereditary ovarian cancer, hereditary endometrial cancer); genomic sequence analysis panel, must include sequencing of at least 14 genes, including **ATM, BRCA1, BRCA2, BRIP1, CDH1, MLH1, MSH2, MSH6, NBN, PALB2, PTEN, RAD51C, STK11, and TP53**

● 81433 duplication/deletion analysis panel, must include analyses for **BRCA1, BRCA2, MLH1, MSH2, and STK11**

● 81434 Hereditary retinal disorders (eg, retinitis pigmentosa, Leber congenital amaurosis, cone-rod dystrophy), genomic sequence analysis panel, must include sequencing of at least 15 genes, including **ABCA4, CNGA1, CRB1, EYS, PDE6A, PDE6B, PRPF31, PRPH2, RHO, RP1, RP2, RPE65, RPGR, and USH2A**

▲ 81435 Hereditary colon cancer syndromesdisorders (eg, Lynch syndrome, PTEN hamartoma syndrome, Cowden syndrome, familial adenomatosis polyposis); genomic sequence analysis panel, must include analysis/sequencing of at least 710 genes, including **APC, BMPR1A, CHEK2, CDH1, MLH1, MSH2, MSH6, MUTYH, PTEN, SMAD4, and PMS2**

▲ 81436 duplication/deletion gene analysis panel, must include analysis of at least 85 genes, including **APC, MLH1, MSH2, MSH6, PMS2, EPCAM, CHEK2, SMAD4, and MUTYH**
81437 Hereditary neuroendocrine tumor disorders (eg, medullary thyroid carcinoma, parathyroid carcinoma, malignant pheochromocytoma or paraganglioma); genomic sequence analysis panel, must include sequencing of at least 6 genes, including MAX, SDHB, SDHC, SDHD, TMEM127, and VHL

81438 duplication/deletion analysis panel, must include analyses for SDHB, SDHC, SDHD, and VHL

81442 Noonan spectrum disorders (eg, Noonan syndrome, cardio-facio-cutaneous syndrome, Costello syndrome, LEOPARD syndrome, Noonan-like syndrome), genomic sequence analysis panel, must include sequencing of at least 12 genes, including BRAF, CBL, HRAS, KRAS, MAP2K1, MAP2K2, NRAS, PTPN11, RAF1, RIT1, SHOC2, and SOS1

81445 Targeted genomic sequence analysis panel, solid organ neoplasm, DNA analysis, and RNA analysis when performed, 5-50 genes (eg, ALK, BRAF, CDKN2A, EGFR, ERBB2, KIT, KRAS, NRAS, MET, PDGFRB, PGR, PIK3CA, PTEN, RET), interrogation for sequence variants and copy number variants or rearrangements, if performed

81450 Targeted genomic sequence analysis panel, hematolymphoid neoplasm or disorder, DNA analysis, and RNA analysis when performed, 5-50 genes (eg, BRAF, CEBPA, DNMT3A, EZH2, FLT3, IDH1, IDH2, JAK2, KRAS, KIT, MLL, NRAS, NPM1, NOTCH1), interrogation for sequence variants, and copy number variants or rearrangements, or isoform expression or mRNA expression levels, if performed

81455 Targeted genomic sequence analysis panel, solid organ or hematolymphoid neoplasm, DNA analysis, and RNA analysis when performed, 51 or greater genes (eg, ALK, BRAF, CDKN2A, CEBPA, DNMT3A, EGFR, ERBB2, EZH2, FLT3, IDH1, IDH2, JAK2, KIT, KRAS, MLL, NPM1, NRAS, MET, NOTCH1, PDGFRA, PDGFRB, PGR, PIK3CA, PTEN, RET), interrogation for sequence variants and copy number variants or rearrangements, if performed

81490 Autoimmune (rheumatoid arthritis), analysis of 12 biomarkers using immunoassays, utilizing serum, prognostic algorithm reported as a disease activity score

81493 Coronary artery disease, mRNA, gene expression profiling by real-time RT-PCR of 23 genes, utilizing whole peripheral blood, algorithm reported as a risk score

81525 Oncology (colon), mRNA, gene expression profiling by real-time RT-PCR of 12 genes (7 content and 5 housekeeping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as a recurrence score

81528 Oncology (colorectal) screening, quantitative real-time target and signal amplification of 10 DNA markers (KRAS mutations, promoter methylation of NDRG4 and BMP3) and fecal hemoglobin, utilizing stool, algorithm reported as a positive or negative result

81535 Oncology (gynecologic), live tumor cell culture and chemotherapeutic response by DAPI stain and morphology, predictive algorithm reported as a drug response score; first single drug or drug combination

81536 each additional single drug or drug combination (List separately in addition to code for primary procedure)

81538 Oncology (lung), mass spectrometric 8-protein signature, including amyloid A, utilizing serum, prognostic and predictive algorithm reported as good versus poor overall survival
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>81540</td>
<td>Oncology (tumor of unknown origin), mRNA, gene expression profiling by real-time RT-PCR of 92 genes (87 content and 5 housekeeping) to classify tumor into main cancer type and subtype, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as a probability of a predicted main cancer type and subtype</td>
</tr>
<tr>
<td>81545</td>
<td>Oncology (thyroid), gene expression analysis of 142 genes, utilizing fine needle aspirate, algorithm reported as a categorical result (eg, benign or suspicious)</td>
</tr>
<tr>
<td>81595</td>
<td>Cardiology (heart transplant), mRNA, gene expression profiling by real-time quantitative PCR of 20 genes (11 content and 9 housekeeping), utilizing subfraction of peripheral blood, algorithm reported as a rejection risk score</td>
</tr>
<tr>
<td>82486</td>
<td>Chromatography, qualitative; column (eg, gas liquid or HPLC), analyte not elsewhere specified</td>
</tr>
<tr>
<td>82487</td>
<td>paper, 1-dimensional, analyte not elsewhere specified</td>
</tr>
<tr>
<td>82488</td>
<td>paper, 2-dimensional, analyte not elsewhere specified</td>
</tr>
<tr>
<td>82489</td>
<td>thin layer, analyte not elsewhere specified</td>
</tr>
<tr>
<td>82491</td>
<td>Chromatography, quantitative, column (eg, gas liquid or HPLC); single analyte not elsewhere specified, single stationary and mobile phase</td>
</tr>
<tr>
<td>82492</td>
<td>multiple analytes, single stationary and mobile phase</td>
</tr>
<tr>
<td>82541</td>
<td>Column chromatography/mass spectrometry (eg, GC/MS, or HPLC/MS), non-drug analyte not elsewhere specified; qualitative, single stationary and mobile phase</td>
</tr>
<tr>
<td>82542</td>
<td>Column chromatography, includes mass spectrometry, if performed (eg, HPLC, LC, LC/MS, LC/MS-MS, GC, GC/MS-MS, or GC/MS, HPLC/MS), non-drug analyte(s) not elsewhere specified, qualitative or quantitative, each specimen; quantitative, single stationary and mobile phase</td>
</tr>
<tr>
<td>82543</td>
<td>stable isotope dilution, single analyte, quantitative, single stationary and mobile phase</td>
</tr>
<tr>
<td>82544</td>
<td>stable isotope dilution, multiple analytes, quantitative, single stationary and mobile phase</td>
</tr>
<tr>
<td>83788</td>
<td>Mass spectrometry and tandem mass spectrometry (MS, MS/MS), analyte not elsewhere specified; qualitative, each specimen</td>
</tr>
<tr>
<td>83789</td>
<td>Mass spectrometry and tandem mass spectrometry (eg, MS, MS/MS, MALDI, MS-TOF, QTOF), non-drug analyte(s) not elsewhere specified, qualitative or quantitative, each specimen; quantitative, each specimen</td>
</tr>
<tr>
<td>86708</td>
<td>Hepatitis A antibody (HAAb); total</td>
</tr>
<tr>
<td>86709</td>
<td>Hepatitis A antibody (HAAb), IgM antibody; IgM antibody</td>
</tr>
<tr>
<td>87301</td>
<td>Infectious agent antigen detection by immunoassay technique, (eg, enzyme immunoassay</td>
</tr>
</tbody>
</table>
technique (EIA), enzyme-linked immunosorbent assay (ELISA), immunochemiluminometric assay (IMCA)) qualitative or semiquantitative, multiple-step method; adenovirus enteric types 40/41

▲ 87305 Aspergillus
▲ 87320 Chlamydia trachomatis
▲ 87324 Clostridium difficile toxin(s)
▲ 87327 Cryptococcus neoformans
▲ 87328 cryptosporidium
▲ 87329 giardia
▲ 87332 cytomegalovirus
▲ 87335 Escherichia coli 0157
▲ 87336 Entamoeba histolytica dispar group
▲ 87337 Entamoeba histolytica group
▲ 87338 Helicobacter pylori, stool
▲ 87339 Helicobacter pylori
▲ 87340 hepatitis B surface antigen (HBsAg)
▲ 87341 hepatitis B surface antigen (HBsAg) neutralization
▲ 87350 hepatitis Be antigen (HBeAg)
▲ 87380 hepatitis, delta agent
▲ 87385 Histoplasma capsulatum
▲ 87389 HIV-1 antigen(s), with HIV-1 and HIV-2 antibodies, single result
▲ 87390 HIV-1
▲ 87391 HIV-2
▲ 87400 Influenza, A or B, each
▲ 87420 respiratory syncytial virus
▲ 87425 rotavirus
87427  Shiga-like toxin
87430  Streptococcus, group A
87449  Infectious agent antigen detection by immunoassay technique, (eg, enzyme immunoassay technique [EIA], enzyme-linked immunosorbent assay [ELISA], immunochemiluminometric assay [IMCA]), qualitative or semiquantitative; multiple-step method, not otherwise specified, each organism
87450  single step method, not otherwise specified, each organism
87451  multiple step method, polyvalent for multiple organisms, each polyvalent antiserum
87502  influenza virus, for multiple types or sub-types, includes multiplex reverse transcription, when performed, and multiplex amplified probe technique, first 2 types or sub-types
87503  influenza virus, for multiple types or sub-types, includes multiplex reverse transcription, when performed, and multiplex amplified probe technique, each additional influenza virus type or sub-type beyond 2 (List separately in addition to code for primary procedure)
88346  Immunofluorescent study, immunofluorescence, each antibody per specimen; direct method, initial single antibody stain procedure
88347  indirect method
88350  each additional single antibody stain procedure (List separately in addition to code for primary procedure)

**Medicine**

90632  Hepatitis A vaccine (HepA), adult dosage, for intramuscular use
90633  Hepatitis A vaccine (HepA), pediatric/adolescent dosage-2 dose schedule, for intramuscular use
90634  Hepatitis A vaccine (HepA), pediatric/adolescent dosage-3 dose schedule, for intramuscular use
90645  Hemophilus influenza b vaccine (Hib), HbOC conjugate (4 dose schedule), for intramuscular use
90646  Hemophilus influenza b vaccine (Hib), PRP-D conjugate, for booster use only, intramuscular use
90647  Hemophilus influenza Haemophilus influenzae type b vaccine (Hib), PRP-OMP conjugate-3 dose schedule), for intramuscular use
90648  Hemophilus influenza Haemophilus influenzae type b vaccine (Hib), PRP-T conjugate-4 dose schedule), for intramuscular use
Human Papilloma virus (HPV) Papillomavirus vaccine, types 6, 11, 16, 18 (quadrivalent), quadrivalent (4vHPV), 3 dose schedule, for intramuscular use

Human Papilloma virus (HPV) Papillomavirus vaccine, types 16, 18, bivalent (2vHPV), 3 dose schedule, for intramuscular use

Human Papillomavirus vaccine types 6, 11, 16, 18, 31, 33, 45, 52, 58, nonavalent (9vHPV), 3 dose schedule, for intramuscular use

Influenza vaccine, inactivated (IIV), subunit, adjuvanted, for intramuscular use

Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, when administered to children 6-35 months of age, for intramuscular use

Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, when administered to individuals 3 years and older, for intramuscular use

Influenza virus vaccine, trivalent (IIV3), split virus, when administered to children 6-35 months of age, for intramuscular use

Influenza virus vaccine, trivalent (IIV3), split virus, when administered to individuals 3 years of age and older, for intramuscular use

Influenza virus vaccine, trivalent, live (LAIV3), for intranasal use

Influenza virus vaccine, quadrivalent, live (LAIV4), for intranasal use

Influenza virus vaccine (ccIIV3), derived from cell cultures, subunit, preservative and antibiotic free, for intramuscular use

Influenza virus vaccine (RIV3), derived from recombinant DNA (RIV3), hemagglutinin (HA) protein only, preservative and antibiotic free, for intramuscular use

Influenza virus vaccine (IIV), split virus, preservative free, enhanced immunogenicity via increased antigen content, for intramuscular use

Influenza virus vaccine, live (LAIV), pandemic formulation, live, for intranasal use

Influenza virus vaccine (IIV), pandemic formulation, split virus, preservative free, for intramuscular use

Influenza virus vaccine (IIV), pandemic formulation, split virus, adjuvanted, for intramuscular use

Influenza virus vaccine (IIV), pandemic formulation, split virus, for intramuscular use

Pneumococcal conjugate vaccine, 7 valent (PCV7), for intramuscular use

Pneumococcal conjugate vaccine, 13 valent (PCV13), for intramuscular use
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>90680</td>
<td>Rotavirus vaccine, pentavalent <em>(RV5)</em>, 3 dose schedule, live, for oral use</td>
</tr>
<tr>
<td>90681</td>
<td>Rotavirus vaccine, human, attenuated <em>(RV1)</em>, 2 dose schedule, live, for oral use</td>
</tr>
<tr>
<td>90685</td>
<td>Influenza virus vaccine, quadrivalent <em>(IIV4)</em>, split virus, preservative free, when administered to children 6-35 months of age, for intramuscular use</td>
</tr>
<tr>
<td>90686</td>
<td>Influenza virus vaccine, quadrivalent <em>(IIV4)</em>, split virus, preservative free, when administered to individuals 3 years of age and older, for intramuscular use</td>
</tr>
<tr>
<td>90687</td>
<td>Influenza virus vaccine, quadrivalent <em>(IIV4)</em>, split virus, when administered to children 6-35 months of age, for intramuscular use</td>
</tr>
<tr>
<td>90688</td>
<td>Influenza virus vaccine, quadrivalent <em>(IIV4)</em>, split virus, when administered to individuals 3 years of age and older, for intramuscular use</td>
</tr>
<tr>
<td>90692</td>
<td>Typhoid vaccine, heat- and phenol-inactivated <em>(H-P)</em>, for subcutaneous or intradermal use</td>
</tr>
<tr>
<td>90693</td>
<td>Typhoid vaccine, acetone-killed, dried <em>(AKD)</em>, for subcutaneous use <em>(U.S. military)</em></td>
</tr>
<tr>
<td>90696</td>
<td>Diphtheria, tetanus toxoids, acellular pertussis vaccine and inactivated poliovirus vaccine, inactivated <em>(DTaP-IPV)</em>, when administered to children 4 through 6 years of age, for intramuscular use</td>
</tr>
<tr>
<td>90697</td>
<td>Diphtheria, tetanus toxoids, acellular pertussis vaccine, inactivated poliovirus vaccine, Haemophilus influenzae type b PRP-OMP conjugate vaccine, and hepatitis B vaccine <em>(DTaP-IPV-Hib-HepB)</em>, for intramuscular use</td>
</tr>
<tr>
<td>90698</td>
<td>Diphtheria, tetanus toxoids, acellular pertussis vaccine, <em>Haemophilus influenzae</em> type b, and inactivated poliovirus vaccine <em>(DTap-IPV/Hib)</em>, for intramuscular use</td>
</tr>
<tr>
<td>90702</td>
<td>Diphtheria and tetanus toxoids adsorbed <em>(DT)</em> adsorbed, when administered to individuals younger than 7 years, for intramuscular use</td>
</tr>
<tr>
<td>90703</td>
<td>Tetanus toxoid adsorbed, for intramuscular use</td>
</tr>
<tr>
<td>90704</td>
<td>Mumps virus vaccine, live, for subcutaneous use</td>
</tr>
<tr>
<td>90705</td>
<td>Measles virus vaccine, live, for subcutaneous use</td>
</tr>
<tr>
<td>90706</td>
<td>Rubella virus vaccine, live, for subcutaneous use</td>
</tr>
<tr>
<td>90708</td>
<td>Measles and rubella virus vaccine, live, for subcutaneous use</td>
</tr>
<tr>
<td>90712</td>
<td>Poliovirus vaccine, <em>(any type[s])</em> <em>(OPV)</em>, live, for oral use</td>
</tr>
<tr>
<td>90714</td>
<td>Tetanus and diphtheria toxoids adsorbed <em>(Td)</em> adsorbed, preservative free, when administered to individuals 7 years or older, for intramuscular use</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>90716</td>
<td>Varicella virus vaccine (VAR), live, for subcutaneous use</td>
</tr>
<tr>
<td>90719</td>
<td>Diphtheria toxoid, for intramuscular use</td>
</tr>
<tr>
<td>90720</td>
<td>Diphtheria, tetanus toxoid, and whole cell pertussis vaccine and Haemophilus influenzae b vaccine (DTwP-Hib), for intramuscular use</td>
</tr>
<tr>
<td>90721</td>
<td>Diphtheria, tetanus toxoid, and acellular pertussis vaccine and Haemophilus influenzae b vaccine (DTaP/Hib), for intramuscular use</td>
</tr>
<tr>
<td>90725</td>
<td>Cholera vaccine for injectable use</td>
</tr>
<tr>
<td>90625</td>
<td>Cholera vaccine, live, adult dosage, 1 dose schedule, for oral use</td>
</tr>
<tr>
<td>90727</td>
<td>Plague vaccine, for intramuscular use</td>
</tr>
<tr>
<td>90732</td>
<td>Pneumococcal polysaccharide vaccine, 23-valent (PPSV23), adult or immunosuppressed patient dosage, when administered to individuals 2 years or older, for subcutaneous or intramuscular use</td>
</tr>
<tr>
<td>90644</td>
<td>Meningococcal conjugate vaccine, serogroups C &amp; Y and Haemophilus influenza B, Haemophilus influenzae type b vaccine (Hib-MenCY), 4 dose schedule, when administered to children 2-1518 months of age, for intramuscular use</td>
</tr>
<tr>
<td>90733</td>
<td>Meningococcal polysaccharide vaccine (any group(s)), serogroups A, C, Y, W-135, quadrivalent (MPSV4), for subcutaneous use</td>
</tr>
<tr>
<td>90734</td>
<td>Meningococcal conjugate vaccine, serogroups A, C, Y and W-135, quadrivalent (MenACWY), for intramuscular use</td>
</tr>
<tr>
<td>90620</td>
<td>Meningococcal recombinant protein and outer membrane vesicle vaccine, serogroup B (MenB), 2 dose schedule, for intramuscular use</td>
</tr>
<tr>
<td>90621</td>
<td>Meningococcal recombinant lipoprotein vaccine, serogroup B (MenB), 3 dose schedule, for intramuscular use</td>
</tr>
<tr>
<td>90735</td>
<td>Japanese encephalitis virus vaccine, for subcutaneous use</td>
</tr>
<tr>
<td>90736</td>
<td>Zoster (shingles) vaccine (HZV), live, for subcutaneous injection</td>
</tr>
<tr>
<td>90739</td>
<td>Hepatitis B vaccine (HepB), adult dosage (2 dose schedule), for intramuscular use</td>
</tr>
<tr>
<td>90740</td>
<td>Hepatitis B vaccine (HepB), dialysis or immunosuppressed patient dosage (3 dose schedule), for intramuscular use</td>
</tr>
<tr>
<td>90743</td>
<td>Hepatitis B vaccine (HepB), adolescent (2 dose schedule), for intramuscular use</td>
</tr>
<tr>
<td>90744</td>
<td>Hepatitis B vaccine (HepB), pediatric/adolescent dosage (3 dose schedule), for intramuscular use</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>90746</td>
<td>Hepatitis B vaccine (HepB), adult dosage (3 dose schedule), for intramuscular use</td>
</tr>
<tr>
<td>90747</td>
<td>Hepatitis B vaccine (HepB), dialysis or immunosuppressed patient dosage (4 dose schedule), for intramuscular use</td>
</tr>
<tr>
<td>90748</td>
<td>Hepatitis B and Haemophilus influenzae type b vaccine (Hib-HepB), for intramuscular use</td>
</tr>
<tr>
<td>91040</td>
<td>Esophageal balloon distension study, diagnostic, with provocation study when performed</td>
</tr>
<tr>
<td>92537</td>
<td>Caloric vestibular test with recording, bilateral; bithermal (ie, one warm and one cool irrigation in each ear for a total of four irrigations)</td>
</tr>
<tr>
<td>92538</td>
<td>monothermal (ie, one irrigation in each ear for a total of two irrigations)</td>
</tr>
<tr>
<td>92540</td>
<td>Esophageal balloon distension study, diagnostic, with provocation study when performed</td>
</tr>
<tr>
<td>92543</td>
<td>Caloric vestibular test, each irrigation (binaural, bithermal stimulation constitutes 4 tests), with recording</td>
</tr>
<tr>
<td>93050</td>
<td>Arterial pressure waveform analysis for assessment of central arterial pressures, includes obtaining waveform(s), digitization and application of nonlinear mathematical transformations to determine central arterial pressures and augmentation index, with interpretation and report, upper extremity artery, non-invasive</td>
</tr>
<tr>
<td>94640</td>
<td>Pressurized or nonpressurized inhalation treatment for acute airway obstruction or for sputum induction, therapeutic purposes and/or for diagnostic purposes (eg, such as sputum induction with an aerosol generator, nebulizer, metered dose inhaler or intermittent positive pressure breathing [IPPB] device)</td>
</tr>
<tr>
<td>95972</td>
<td>complex spinal cord, or peripheral (ie, peripheral nerve, sacral nerve, neuromuscular) (except cranial nerve) neurostimulator pulse generator/transmitter, with intraoperative or subsequent programming, up to 1 hour</td>
</tr>
<tr>
<td>95973</td>
<td>complex spinal cord, or peripheral (ie, peripheral nerve, sacral nerve, neuromuscular) (except cranial nerve) neurostimulator pulse generator/transmitter, with intraoperative or subsequent programming, each additional 30 minutes after first hour (List separately in addition to code for primary procedure)</td>
</tr>
<tr>
<td>96931</td>
<td>Reflectance confocal microscopy (RCM) for cellular and sub-cellular imaging of skin; image acquisition and interpretation and report, first lesion</td>
</tr>
<tr>
<td>96932</td>
<td>image acquisition only, first lesion</td>
</tr>
<tr>
<td>96933</td>
<td>interpretation and report only, first lesion</td>
</tr>
<tr>
<td>96934</td>
<td>image acquisition and interpretation and report, each additional lesion (List separately in addition to code for primary procedure)</td>
</tr>
<tr>
<td>96935</td>
<td>image acquisition only, each additional lesion (List separately in addition to code for primary procedure)</td>
</tr>
</tbody>
</table>
| 96936 | interpretation and report only, each additional lesion (List separately in addition to code
for primary procedure

▲ 99174 Instrument-based ocular screening (eg, photoscreening, automated-refraction), bilateral; with remote analysis and report

#● 99177 with on-site analysis

**Category II Codes**

▲ 6030F All elements of maximal sterile barrier technique followed including: cap and mask and sterile gown and sterile gloves and a large sterile sheet and hand hygiene and 2% chlorhexidine for cutaneous antisepsis (or acceptable alternative antiseptics, skin preparation and, if ultrasound is used, per current guideline) sterile ultrasound techniques followed (CRIT)**

**Category III Codes**

0099T Implantation of intrastromal corneal ring segments

0103T Holotranscobalamin, quantitative

0123T Fistulization of sclera for glaucoma, through ciliary body

0182T High dose rate electronic brachytherapy, per fraction

0223T Acoustic cardiography, including automated analysis of combined acoustic and electrical intervals; single, with interpretation and report

0224T multiple, including serial trended analysis and limited reprogramming of device parameter, AV or VV delays only, with interpretation and report

0225T multiple, including serial trended analysis and limited reprogramming of device parameter, AV and VV delays, with interpretation and report

0233T Skin advanced glycation endproducts (AGE) measurement by multi-wavelength fluorescent spectroscopy

0240T Esophageal motility (manometric study of the esophagus and/or gastroesophageal junction) study with interpretation and report; with high resolution esophageal pressure topography

0241T with stimulation or perfusion during high resolution esophageal pressure topography study (eg, stimulant, acid or alkali perfusion). (List separately in addition to code for primary procedure)

0243T Intermittent measurement of wheeze rate for bronchodilator or bronchial-challenge diagnostic evaluation(s), with interpretation and report

0244T Continuous measurement of wheeze rate during treatment assessment or during sleep for documentation of nocturnal wheeze and cough for diagnostic evaluation 3 to 24 hours, with interpretation and report

0262T Implantation of catheter-delivered prosthetic pulmonary valve, endovascular approach
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0308T</td>
<td>Insertion of ocular telescope prosthesis including removal of crystalline lens or intraocular lens prosthesis</td>
</tr>
<tr>
<td>0311T</td>
<td>Non-invasive calculation and analysis of central arterial pressure waveforms with interpretation and report</td>
</tr>
<tr>
<td>0358T</td>
<td>Bioelectrical impedance analysis whole body composition assessment, supine position, with interpretation and report</td>
</tr>
<tr>
<td>0381T</td>
<td>External heart rate and 3-axis accelerometer data recording up to 14 days to assess changes in heart rate and to monitor motion analysis for the purposes of diagnosing nocturnal epilepsy seizure events; includes report, scanning analysis with report, review and interpretation by a physician or other qualified health care professional</td>
</tr>
<tr>
<td>0382T</td>
<td>review and interpretation only</td>
</tr>
<tr>
<td>0383T</td>
<td>External heart rate and 3-axis accelerometer data recording from 15 to 30 days to assess changes in heart rate and to monitor motion analysis for the purposes of diagnosing nocturnal epilepsy seizure events; includes report, scanning analysis with report, review and interpretation by a physician or other qualified health care professional</td>
</tr>
<tr>
<td>0384T</td>
<td>review and interpretation only</td>
</tr>
<tr>
<td>0385T</td>
<td>External heart rate and 3-axis accelerometer data recording more than 30 days to assess changes in heart rate and to monitor motion analysis for the purposes of diagnosing nocturnal epilepsy seizure events; includes report, scanning analysis with report, review and interpretation by a physician or other qualified health care professional</td>
</tr>
<tr>
<td>0386T</td>
<td>review and interpretation only</td>
</tr>
<tr>
<td>0387T</td>
<td>Transcatheter insertion or replacement of permanent leadless pacemaker, ventricular</td>
</tr>
<tr>
<td>0388T</td>
<td>Transcatheter removal of permanent leadless pacemaker, ventricular</td>
</tr>
<tr>
<td>0389T</td>
<td>Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review and report, leadless pacemaker system</td>
</tr>
<tr>
<td>0390T</td>
<td>Peri-procedural device evaluation (in person) and programming of device system parameters before or after a surgery, procedure or test with analysis, review and report, leadless pacemaker system</td>
</tr>
<tr>
<td>0391T</td>
<td>Interrogation device evaluation (in person) with analysis, review and report, includes connection, recording and disconnection per patient encounter, leadless pacemaker system</td>
</tr>
<tr>
<td>0392T</td>
<td>Laparoscopy, surgical, esophageal sphincter augmentation procedure, placement of sphincter augmentation device (ie, magnetic band)</td>
</tr>
<tr>
<td>0393T</td>
<td>Removal of esophageal sphincter augmentation device</td>
</tr>
<tr>
<td>0394T</td>
<td>High dose rate electronic brachytherapy, skin surface application, per fraction, includes basic</td>
</tr>
</tbody>
</table>
dosimetry, when performed

0395T High dose rate electronic brachytherapy, interstitial or intracavitary treatment, per fraction, includes basic dosimetry, when performed

0396T Intra-operative use of kinetic balance sensor for implant stability during knee replacement arthroplasty (List separately in addition to code for primary procedure)

0397T Endoscopic retrograde cholangiopancreatography (ERCP), with optical endomicroscopy (List separately in addition to code for primary procedure)

0398T Magnetic resonance image guided high intensity focused ultrasound (MRgFUS), stereotactic ablation lesion, intracranial for movement disorder including stereotactic navigation and frame placement when performed

0399T Myocardial strain imaging (quantitative assessment of myocardial mechanics using image-based analysis of local myocardial dynamics) (List separately in addition to code for primary procedure)

0400T Multi-spectral digital skin lesion analysis of clinically atypical cutaneous pigmented lesions for detection of melanomas and high risk melanocytic atypia; one to five lesions

0401T six or more lesions

0402T Collagen cross-linking of cornea (including removal of the corneal epithelium and intraoperative pachymetry when performed)

0403T Preventive behavior change, intensive program of prevention of diabetes using a standardized diabetes prevention program curriculum, provided to individuals in a group setting, minimum 60 minutes, per day

0404T Transcervical uterine fibroid(s) ablation with ultrasound guidance, radiofrequency

0405T Oversight of the care of an extracorporeal liver assist system patient requiring review of status, review of laboratories and other studies, and revision of orders and liver assist care plan (as appropriate), within a calendar month, 30 minutes or more of non-face-to-face time

0406T Nasal endoscopy, surgical, ethmoid sinus, placement of drug eluting implant;

0407T with biopsy, polypectomy or debridement