

## 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[s]/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[s]/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-

		<del>intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); initial vessel</del>
⊕▲	<b>37185</b>	second and all subsequent vessel(s) within the same vascular family (List separately in addition to code for primary mechanical thrombectomy procedure)
⊕▲	<b>37186</b>	Secondary percutaneous transluminal thrombectomy (eg, nonprimary mechanical, snare basket, suction technique), noncoronary, <u>non-intracranial</u> , 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)
	<b>37202</b>	<del>Transcatheter therapy, infusion other than for thrombolysis, any type (eg, spasmolytic, vasoconstrictive)</del>
#⊕▲	<b>37211</b>	Transcatheter therapy, arterial infusion for thrombolysis other than coronary <u>or intracranial</u> , any method, including radiological supervision and interpretation, initial treatment day
	<b>37250</b>	<del>Intravascular ultrasound (non-coronary vessel) during diagnostic evaluation and/or therapeutic intervention; initial vessel (List separately in addition to code for primary procedure)</del>
	<b>37251</b>	<del>each additional vessel (List separately in addition to code for primary procedure)</del>
⊕●	<b>37252</b>	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)
⊕●	<b>37253</b>	each additional noncoronary vessel (List separately in addition to code for primary procedure)
	<b>39400</b>	<del>Mediastinoscopy, includes biopsy(ies), when performed</del>
●	<b>39401</b>	Mediastinoscopy; includes biopsy(ies) of mediastinal mass (eg, lymphoma), when performed
●	<b>39402</b>	with lymph node biopsy(ies) (eg, lung cancer staging)
#●	<b>43210</b>	<del>with esophagogastric fundoplasty, partial or complete, includes duodenoscopy when performed</del>
	<b>47136</b>	<del>heterotopic, partial or whole, from cadaver or living donor, any age</del>
	<b>47500</b>	<del>Injection procedure for percutaneous transhepatic cholangiography</del>
	<b>47505</b>	<del>Injection procedure for cholangiography through an existing catheter (eg, percutaneous transhepatic or T-tube)</del>
	<b>47510</b>	<del>Introduction of percutaneous transhepatic catheter for biliary drainage</del>
	<b>47511</b>	<del>Introduction of percutaneous transhepatic stent for internal and external biliary drainage</del>

- ~~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)
⊕	<b>47544</b>	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)
	<b>47560</b>	<del>Laparoscopy, surgical; with guided transhepatic cholangiography, without biopsy</del>
	<b>47561</b>	<del>with guided transhepatic cholangiography with biopsy</del>
	<b>47630</b>	<del>Biliary duct stone extraction, percutaneous via T-tube tract, basket, or snare (eg, Burhenne technique)</del>
●	<b>49185</b>	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
▲	<b>50387</b>	Removal and replacement of externally accessible <del>transnephric ureteral stent</del> nephroureteral catheter (eg, external/internal stent) requiring fluoroscopic guidance, including radiological supervision and interpretation
	<b>50392</b>	<del>Introduction of intracatheter or catheter into renal pelvis for drainage and/or injection, percutaneous</del>
	<b>50393</b>	<del>Introduction of ureteral catheter or stent into ureter through renal pelvis for drainage and/or injection, percutaneous</del>
	<b>50394</b>	<del>Injection procedure for pyelography (as nephrostogram, pyelostogram, antegrade pyeloureterograms) through nephrostomy or pyelostomy tube, or indwelling ureteral catheter</del>
	<b>50398</b>	<del>Change of nephrostomy or pyelostomy tube</del>
#●	<b>50430</b>	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
#●	<b>50431</b>	existing access
#●	<b>50432</b>	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
#●	<b>50433</b>	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
#●	<b>50434</b>	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

#●	<b>50435</b>	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
⊕●	<b>50606</b>	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)
⊕●	<b>50693</b>	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
⊕●	<b>50694</b>	new access, without separate nephrostomy catheter
⊕●	<b>50695</b>	new access, with separate nephrostomy catheter
⊕●	<b>50705</b>	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)
⊕●	<b>50706</b>	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)
●	<b>54437</b>	Repair of traumatic corporeal tear(s)
●	<b>54438</b>	Replantation, penis, complete amputation including urethral repair
●	<b>61645</b>	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)
●	<b>61650</b>	Endovascular intracranial prolonged administration of pharmacologic agent(s) other than for thrombolysis, arterial, including catheter placement, diagnostic angiography, and imaging guidance; initial vascular territory
⊕●	<b>61651</b>	each additional vascular territory (List separately in addition to code for primary procedure)
	<b>64412</b>	<del>spinal accessory nerve</del>
#●	<b>64461</b>	Paravertebral block (PVB) (paraspinous block), thoracic; single injection site (includes imaging guidance, when performed)
#⊕●	<b>64462</b>	second and any additional injection site(s) (includes imaging guidance, when performed) (List separately in addition to code for primary procedure)
#●	<b>64463</b>	continuous infusion by catheter (includes imaging guidance, when performed)
●	<b>65785</b>	Implantation of intrastromal corneal ring segments

- ▲ **65855** Trabeculoplasty by laser surgery, ~~1 or more sessions (defined treatment series)~~
- ▲ **67101** Repair of retinal detachment, 1 or more sessions; cryotherapy or diathermy, ~~with or without~~ including drainage of subretinal fluid, when performed
- ▲ **67105** photocoagulation, with or without including drainage of subretinal fluid, when performed
- ▲ **67107** 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
- ▲ **67108** with vitrectomy, any method, with or without including, when performed, air or gas tamponade, focal endolaser photocoagulation, cryotherapy, drainage of subretinal fluid, scleral buckling, and/or removal of lens by same technique
- 67112** ~~by scleral buckling or vitrectomy, on patient having previous ipsilateral retinal detachment repair(s) using scleral buckling or vitrectomy techniques~~
- ▲ **67113** 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
- ▲ **67227** Destruction of extensive or progressive retinopathy (eg, diabetic retinopathy), ~~1 or more sessions~~, cryotherapy, diathermy
- ▲ **67228** Treatment of extensive or progressive retinopathy (eg, 1 or more sessions diabetic retinopathy), photocoagulation; (eg, diabetic retinopathy), photocoagulation
- **69209** Removal impacted cerumen using irrigation/lavage, unilateral

## Radiology

- 70373** ~~Laryngography, contrast, radiological supervision and interpretation~~
- 72010** ~~Radiologic examination, spine, entire, survey study, anteroposterior and lateral~~
- 72069** ~~Radiologic examination, spine, thoracolumbar, standing (scoliosis)~~
- ▲ **72080** thoracolumbar junction, minimum of 2 views
- **72081** Radiologic examination, spine, entire thoracic and lumbar, including skull, cervical and sacral spine if performed (eg, scoliosis evaluation); one view
- **72082** 2 or 3 views
- **72083** 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
- ~~**73530** Radiologic examination, hip, during operative procedure~~
- ~~**73540** Radiologic examination, pelvis and hips, infant or child, minimum of 2 views~~
- ~~**73550** Radiologic examination, femur, 2 views~~
- **73551** Radiologic examination, femur; 1 view
- **73552** minimum 2 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

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



- 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 ~~radiation~~ 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

- **81219** *CALR (calreticulin)* (eg, myeloproliferative disorders), gene analysis, common variants in exon 9
- **81272** *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)
- **81273** *KIT (v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog)* (eg, mastocytosis), gene analysis, D816 variant(s)
- ▲ **81275** *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)
- **81276** additional variant(s) (eg, codon 61, codon 146)
- **81311** *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)
- **81314** *PDGFRA (platelet-derived growth factor receptor, alpha polypeptide)* (eg, gastrointestinal stromal tumor [GIST]), gene analysis, targeted sequence analysis (eg, exons 12, 18)
- ▲ **81355** *VKORC1 (vitamin K epoxide reductase complex, subunit 1)* (eg, warfarin metabolism), gene analysis, common variant(s) (eg, ~~-4639/3673~~1639G>A, c.173+1000C>T)
- ▲ **81401** 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 (proto-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)
- ▲ **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)
- ▲ **81403** 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

*PDGFRA (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 (vB-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*, *BRIPI*, *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*, *RDH12*, *RHO*, *RP1*, *RP2*, *RPE65*, *RPGR*, and *USH2A*
- ▲ **81435** Hereditary colon cancer syndromes/disorders (eg, Lynch syndrome, PTEN hamartoma syndrome, Cowden syndrome, familial adenomatous 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*, *STK11*
- ▲ **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*, *STK11*

- **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*, *PDGFRA*, *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

- **81540** 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
- **81545** Oncology (thyroid), gene expression analysis of 142 genes, utilizing fine needle aspirate, algorithm reported as a categorical result (eg, benign or suspicious)
- **81595** 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
- ~~**82486** Chromatography, qualitative; column (eg, gas liquid or HPLC), analyte not elsewhere specified~~
- ~~**82487** paper, 1-dimensional, analyte not elsewhere specified~~
- ~~**82488** paper, 2-dimensional, analyte not elsewhere specified~~
- ~~**82489** thin layer, analyte not elsewhere specified~~
- ~~**82491** Chromatography, quantitative, column (eg, gas liquid or HPLC); single analyte not elsewhere specified, single stationary and mobile phase~~
- ~~**82492** multiple analytes, single stationary and mobile phase~~
- ~~**82541** Column chromatography/mass spectrometry (eg, GC/MS, or HPLC/MS), non-drug analyte not elsewhere specified; qualitative, single stationary and mobile phase~~
- ▲ **82542** 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
- ~~**82543** stable isotope dilution, single analyte, quantitative, single stationary and mobile phase~~
- ~~**82544** stable isotope dilution, multiple analytes, quantitative, single stationary and mobile phase~~
- ~~**83788** Mass spectrometry and tandem mass spectrometry (MS, MS/MS), analyte not elsewhere specified; qualitative, each specimen~~
- ▲ **83789** 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
- ▲ **86708** Hepatitis A antibody (HAAb); ~~total~~
- ▲ **86709** Hepatitis A antibody (HAAb), IgM antibody; IgM antibody
- ▲ **87301** 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; 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 <u>immunoassay technique</u> . (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, <u>when performed</u> , and multiplex amplified probe technique, first 2 types or sub-types
#+▲	87503	influenza virus, for multiple types or sub-types, includes multiplex reverse transcription, <u>when performed</u> , 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	<del>Immunofluorescent study</del> Immunofluorescence, <del>each antibody per specimen; direct method</del> 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 ( <u>HepA</u> ), adult dosage, for intramuscular use
▲	90633	Hepatitis A vaccine ( <u>HepA</u> ), pediatric/adolescent dosage-2 dose schedule, for intramuscular use
▲	90634	Hepatitis A vaccine ( <u>HepA</u> ), pediatric/adolescent dosage-3 dose schedule, for intramuscular use
	90645	<del>Hemophilus influenza b vaccine (Hib), HbOC conjugate (4 dose schedule), for intramuscular use</del>
	90646	<del>Hemophilus influenza b vaccine (Hib), PRP-D conjugate, for booster use only, intramuscular use</del>
▲	90647	<del>Hemophilus influenza</del> Haemophilus influenzae type b vaccine (Hib), PRP-OMP conjugate (3 dose schedule), for intramuscular use
▲	90648	<del>Hemophilus influenza</del> Haemophilus influenzae type b vaccine (Hib), PRP-T conjugate (4 dose schedule), for intramuscular use

- ▲ **90649** Human Papilloma virus (HPV) Papillomavirus vaccine, types 6, 11, 16, 18 (~~quadrivalent~~), quadrivalent (4vHPV), 3 dose schedule, for intramuscular use
- ▲ **90650** Human Papilloma virus (HPV) Papillomavirus vaccine, types 16, 18, bivalent (2vHPV), 3 dose schedule, for intramuscular use
- ▲ **90651** Human Papillomavirus vaccine types 6, 11, 16, 18, 31, 33, 45, 52, 58, nonavalent (~~HPV~~)(9vHPV), 3 dose schedule, for intramuscular use
- ↗ ▲ **90653** Influenza vaccine, inactivated (IIV), subunit, adjuvanted, for intramuscular use
- ▲ **90655** Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, when administered to children 6-35 months of age, for intramuscular use
- ▲ **90656** Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, when administered to individuals 3 years and older, for intramuscular use
- ▲ **90657** Influenza virus vaccine, trivalent (IIV3), split virus, when administered to children 6-35 months of age, for intramuscular use
- ▲ **90658** Influenza virus vaccine, trivalent (IIV3), split virus, when administered to individuals 3 years of age and older, for intramuscular use
- ▲ **90660** Influenza virus vaccine, trivalent, live (LAIV3), for intranasal use
- #▲ **90672** Influenza virus vaccine, quadrivalent, live (LAIV4), for intranasal use
- ▲ **90661** Influenza virus vaccine (ccIIV3), derived from cell cultures, subunit, preservative and antibiotic free, for intramuscular use
- #▲ **90673** Influenza virus vaccine, trivalent (RIV3), derived from recombinant DNA (~~(RIV3)~~), hemagglutinin (HA) protein only, preservative and antibiotic free, for intramuscular use
- ▲ **90662** Influenza virus vaccine (IIV), split virus, preservative free, enhanced immunogenicity via increased antigen content, for intramuscular use
- ▲ **90664** Influenza virus vaccine, live (LAIV), pandemic formulation, ~~live~~, for intranasal use
- ↗ ▲ **90666** Influenza virus vaccine (IIV), pandemic formulation, split virus, preservative free, for intramuscular use
- ↗ ▲ **90667** Influenza virus vaccine (IIV), pandemic formulation, split virus, adjuvanted, for intramuscular use
- ↗ ▲ **90668** Influenza virus vaccine (IIV), pandemic formulation, split virus, for intramuscular use
- 90669** ~~Pneumococcal conjugate vaccine, 7 valent (PCV7), for intramuscular use~~
- ▲ **90670** Pneumococcal conjugate vaccine, 13 valent (PCV13), for intramuscular use



- ▲ 90680 Rotavirus vaccine, pentavalent (RV5), 3 dose schedule, live, for oral use
- ▲ 90681 Rotavirus vaccine, human, attenuated (RV1), 2 dose schedule, live, for oral use
- ▲ 90685 Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, when administered to children 6-35 months of age, for intramuscular use
- ▲ 90686 Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, when administered to individuals 3 years of age and older, for intramuscular use
- ▲ 90687 Influenza virus vaccine, quadrivalent (IIV4), split virus, when administered to children 6-35 months of age, for intramuscular use
- ▲ 90688 Influenza virus vaccine, quadrivalent (IIV4), split virus, when administered to individuals 3 years of age and older, for intramuscular use
- ~~90692 Typhoid vaccine, heat- and phenol-inactivated (H-P), for subcutaneous or intradermal use~~
- ~~90693 Typhoid vaccine, acetone-killed, dried (AKD), for subcutaneous use (U.S. military)~~
- ▲ 90696 Diphtheria, tetanus toxoids, acellular pertussis vaccine and inactivated poliovirus vaccine, ~~inactivated~~ (DTaP-IPV), when administered to children 4 through 6 years of age, for intramuscular use
- 90697 Diphtheria, tetanus toxoids, acellular pertussis vaccine, inactivated poliovirus vaccine, Haemophilus influenzae type b PRP-OMP conjugate vaccine, and hepatitis B vaccine (DTaP-IPV-Hib-HepB), for intramuscular use
- ▲ 90698 Diphtheria, tetanus toxoids, acellular pertussis vaccine, ~~H~~Haemophilus influenzae Type B ~~in~~influenzae type b, and inactivated poliovirus vaccine (DTap-IPV/Hib), for intramuscular use
- ▲ 90702 Diphtheria and tetanus toxoids adsorbed (DT) ~~adsorbed~~ when administered to individuals younger than 7 years, for intramuscular use
- ~~90703 Tetanus toxoid adsorbed, for intramuscular use~~
- ~~90704 Mumps virus vaccine, live, for subcutaneous use~~
- ~~90705 Measles virus vaccine, live, for subcutaneous use~~
- ~~90706 Rubella virus vaccine, live, for subcutaneous use~~
- ~~90708 Measles and rubella virus vaccine, live, for subcutaneous use~~
- ~~90712 Poliovirus vaccine, (any type[s]) (OPV), live, for oral use~~
- ▲ 90714 Tetanus and diphtheria toxoids adsorbed (Td) ~~adsorbed~~, preservative free, when administered to individuals 7 years or older, for intramuscular use

- ▲ 90716 Varicella virus vaccine (VAR), live, for subcutaneous use
- 90719 Diphtheria toxoid, for intramuscular use
- 90720 Diphtheria, tetanus toxoids, and whole cell pertussis vaccine and Haemophilus influenzae b vaccine (DTwP-Hib), for intramuscular use
- 90721 Diphtheria, tetanus toxoids, and acellular pertussis vaccine and Haemophilus influenzae b vaccine (DTaP/Hib), for intramuscular use
- 90725 Cholera vaccine for injectable use
- #▲● 90625 Cholera vaccine, live, adult dosage, 1 dose schedule, for oral use
- 90727 Plague vaccine, for intramuscular use
- ▲ 90732 Pneumococcal polysaccharide vaccine, 23-valent (PPSV23), adult or immunosuppressed patient dosage, when administered to individuals 2 years or older, for subcutaneous or intramuscular use
- #▲ 90644 Meningococcal conjugate vaccine, serogroups C & Y and Hemophilus influenzae B Haemophilus influenzae type b vaccine (Hib-MenCY), 4 dose schedule, when administered to children 2-~~45~~18 months of age, for intramuscular use
- ▲ 90733 Meningococcal polysaccharide vaccine (~~any group(s)~~), serogroups A, C, Y, W-135, quadrivalent (MPSV4), for subcutaneous use
- ▲ 90734 Meningococcal conjugate vaccine, serogroups A, C, Y and W-135, quadrivalent (MenACWY), for intramuscular use
- #● 90620 Meningococcal recombinant protein and outer membrane vesicle vaccine, serogroup B (MenB), 2 dose schedule, for intramuscular use
- #● 90621 Meningococcal recombinant lipoprotein vaccine, serogroup B (MenB), 3 dose schedule, for intramuscular use
- 90735 Japanese encephalitis virus vaccine, for subcutaneous use
- ▲ 90736 Zoster (shingles) vaccine (HZV), live, for subcutaneous injection
- ▲ 90739 Hepatitis B vaccine (HepB), adult dosage (~~2~~ dose schedule), for intramuscular use
- ▲ 90740 Hepatitis B vaccine (HepB), dialysis or immunosuppressed patient dosage (~~3~~ dose schedule), for intramuscular use
- ▲ 90743 Hepatitis B vaccine (HepB), adolescent (~~2~~ dose schedule), for intramuscular use
- ▲ 90744 Hepatitis B vaccine (HepB), pediatric/adolescent dosage (~~3~~ dose schedule), for intramuscular use

- ▲ 90746 Hepatitis B vaccine (HepB), adult dosage (~~3~~ 3 dose schedule), for intramuscular use
- ▲ 90747 Hepatitis B vaccine (HepB), dialysis or immunosuppressed patient dosage (~~4~~ 4 dose schedule), for intramuscular use
- ▲ 90748 Hepatitis B and ~~Haemophilus influenzae~~ Haemophilus influenzae type b vaccine (~~HepB-Hib~~) (Hib-HepB), for intramuscular use
- ▲ 91040 Esophageal balloon distension study, diagnostic, with provocation study when performed
- 92537 Caloric vestibular test with recording, bilateral; bithermal (ie, one warm and one cool irrigation in each ear for a total of four irrigations)
- 92538 monothermal (ie, one irrigation in each ear for a total of two irrigations)
- ~~92543 Caloric vestibular test, each irrigation (binaural, bithermal stimulation constitutes 4 tests), with recording~~
- 93050 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
- ▲ 94640 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~~] (IPPB) device)
- ▲ 95972 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~~
- ~~95973 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)~~
- 96931 Reflectance confocal microscopy (RCM) for cellular and sub-cellular imaging of skin; image acquisition and interpretation and report, first lesion
- 96932 image acquisition only, first lesion
- 96933 interpretation and report only, first lesion
- +● 96934 image acquisition and interpretation and report, each additional lesion (List separately in addition to code for primary procedure)
- +● 96935 image acquisition only, each additional lesion (List separately in addition to code for primary procedure)
- +● 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)<sup>[PCPI]</sup>

## 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

- ⊙ ▲ **0308T** Insertion of ocular telescope prosthesis including removal of crystalline lens or intraocular lens prosthesis
- 0311T** ~~Non-invasive calculation and analysis of central arterial pressure waveforms with interpretation and report~~
- ▲ **0358T** Bioelectrical impedance analysis whole body composition assessment, ~~supine position~~, with interpretation and report
- **0381T** 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
- **0382T** review and interpretation only
- **0383T** 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
- **0384T** review and interpretation only
- **0385T** 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
- **0386T** review and interpretation only
- **0387T** Transcatheter insertion or replacement of permanent leadless pacemaker, ventricular
- **0388T** Transcatheter removal of permanent leadless pacemaker, ventricular
- **0389T** 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
- **0390T** 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
- **0391T** Interrogation device evaluation (in person) with analysis, review and report, includes connection, recording and disconnection per patient encounter, leadless pacemaker system
- **0392T** Laparoscopy, surgical, esophageal sphincter augmentation procedure, placement of sphincter augmentation device (ie, magnetic band)
- **0393T** Removal of esophageal sphincter augmentation device
- **0394T** High dose rate electronic brachytherapy, skin surface application, per fraction, includes basic

- 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