

CPT Procedure Code Changes effective January 1, 2018

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New Codes

*Denotes recycled code

+Denotes reactivated code

-Denotes code that was added and deleted in the same year

02/01/17

- 0001U** Red blood cell antigen typing, DNA, human erythrocyte antigen gene analysis of 35 antigens from 11 blood groups, utilizing whole blood, common RBC alleles reported
- 0002U** Oncology (colorectal), quantitative assessment of three urine metabolites (ascorbic acid, succinic acid and carnitine) by liquid chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction monitoring acquisition, algorithm reported as likelihood of adenomatous polyps

0003U Oncology (ovarian) biochemical assays of five proteins (apolipoprotein A-1, CA 125 II, follicle stimulating hormone, human epididymis protein 4, transferrin), utilizing serum, algorithm reported as a likelihood score

05/01/17

0004U- Infectious disease (bacterial), DNA, 27 resistance genes, PCR amplification and probe hybridization in microarray format (molecular detection and identification of AmpC, carbapenemase and ESBL coding genes), bacterial culture colonies, report of genes detected or not detected, per isolate

0005U Oncology (prostate) gene expression profile by real-time RT-PCR of 3 genes (ERG, PCA3, and SPDEF), urine, algorithm reported as risk score

07/01/17

90587 Dengue vaccine, quadrivalent, live, 3 dose schedule, for subcutaneous use

08/01/17

0006U Prescription drug monitoring, 120 or more drugs and substances, definitive tandem mass spectrometry with chromatography, urine, qualitative report of presence (including quantitative levels, when detected) or absence of each drug or substance with description and severity of potential interactions, with identified substances, per date of service

0007U Drug test(s), presumptive, with definitive confirmation of positive results, any number of drug classes, urine, includes specimen verification including DNA authentication in comparison to buccal DNA, per date of service

0008U Helicobacter pylori detection and antibiotic resistance, DNA, 16S and 23S rRNA, gyrA, pbp1, rdxA and rpoB, next generation sequencing, formalin-fixed paraffin-embedded or fresh tissue, predictive, reported as positive or negative for resistance to clarithromycin, fluoroquinolones, metronidazole, amoxicillin, tetracycline and rifabutin

0009U Oncology (breast cancer), ERBB2 (HER2) copy number by FISH, tumor cells from formalin-fixed paraffin-embedded tissue isolated using image-based dielectrophoresis (DEP) sorting, reported as ERBB2 gene amplified or non-amplified

0010U Infectious disease (bacterial), strain typing by whole genome sequencing, phylogenetic-based report of strain relatedness, per submitted isolate

0011U Prescription drug monitoring, evaluation of drugs present by LC-MS/MS, using oral fluid, reported as a comparison to an estimated steady-state range, per date of service including all drug compounds and metabolites

0012U Germline disorders, gene rearrangement detection by whole genome next-generation sequencing, DNA, whole blood, report of specific gene rearrangement(s)

- 0013U** Oncology (solid organ neoplasia), gene rearrangement detection by whole genome next-generation sequencing, DNA, fresh or frozen tissue or cells, report of specific gene rearrangement(s)
- 0014U** Hematology (hematolymphoid neoplasia), gene rearrangement detection by whole genome next-generation sequencing, DNA, whole blood or bone marrow, report of specific gene rearrangement(s)
- 0015U-** Drug metabolism (adverse drug reactions), DNA, 22 drug metabolism and transporter genes, real-time PCR, blood or buccal swab, genotype and metabolizer status for therapeutic decision support
- 0016U** Oncology (hematolymphoid neoplasia), RNA, BCR/ABL1 major and minor breakpoint fusion transcripts, quantitative PCR amplification, blood or bone marrow, report of fusion not detected or detected with quantitation
- 0017U** Oncology (hematolymphoid neoplasia), JAK2 mutation, DNA, PCR amplification of exons 12-14 and sequence analysis, blood or bone marrow, report of JAK2 mutation not detected or detected

10/01/17

- 0018U** Oncology (thyroid), microRNA profiling by RT-PCR of 10 microRNA sequences, utilizing fine needle aspirate, algorithm reported as a positive or negative result for moderate to high risk of malignancy
- 0019U** Oncology, RNA, gene expression by whole transcriptome sequencing, formalin-fixed paraffin embedded tissue or fresh frozen tissue, predictive algorithm reported as potential targets for therapeutic agents
- 0020U** Drug test(s), presumptive, with definitive confirmation of positive results, any number of drug classes, urine, with specimen verification including DNA authentication in comparison to buccal DNA, per date of service
- 0021U** Oncology (prostate), detection of 8 autoantibodies (ARF 6, NKX3-1, 5-UTR-BMI1, CEP 164, 3-UTRRopporin, Desmocollin, AURKAIP-1, CSNK2A2), multiplexed immunoassay and flow cytometry serum, algorithm reported as risk score
- 0022U** Targeted genomic sequence analysis panel, non-small cell lung neoplasia, DNA and RNA analysis, 23 genes, interrogation for sequence variants and rearrangements, reported as presence/absence of variants and associated therapy(ies) to consider
- 0023U** Oncology (acute myelogenous leukemia), DNA, genotyping of internal tandem duplication, p.D835, p.I836, using mononuclear cells, reported as detection or non-detection of FLT3 mutation and indication for or against the use of midostaurin

01/01/18

- 00731** Anesthesia for upper gastrointestinal endoscopic procedures, endoscope introduced proximal

- to duodenum; not otherwise specified
- 00732** Anesthesia for upper gastrointestinal endoscopic procedures, endoscope introduced proximal to duodenum; endoscopic retrograde cholangiopancreatography (ERCP)
- 00811** Anesthesia for lower intestinal endoscopic procedures, endoscope introduced distal to duodenum; not otherwise specified
- 00812** Anesthesia for lower intestinal endoscopic procedures, endoscope introduced distal to duodenum; screening colonoscopy
- 00813** Anesthesia for combined upper and lower gastrointestinal endoscopic procedures, endoscope introduced both proximal to and distal to the duodenum
- 15730*** Midface flap (ie, zygomaticofacial flap) with preservation of vascular pedicle(s)
- 15733** Muscle, myocutaneous, or fasciocutaneous flap; head and neck with named vascular pedicle (ie, buccinators, genioglossus, temporalis, masseter, sternocleidomastoid, levator scapulae)
- 19294** Preparation of tumor cavity, with placement of a radiation therapy applicator for intraoperative radiation therapy (iort) concurrent with partial mastectomy (list separately in addition to code for primary procedure)
- 20939** Bone marrow aspiration for bone grafting, spine surgery only, through separate skin or fascial incision (list separately in addition to code for primary procedure)
- 31241** Nasal/sinus endoscopy, surgical; with ligation of sphenopalatine artery
- 31253** Nasal/sinus endoscopy, surgical with ethmoidectomy; total (anterior and posterior), including frontal sinus exploration, with removal of tissue from frontal sinus, when performed
- 31257** Nasal/sinus endoscopy, surgical with ethmoidectomy; total (anterior and posterior), including sphenoidotomy
- 31259** Nasal/sinus endoscopy, surgical with ethmoidectomy; total (anterior and posterior), including sphenoidotomy, with removal of tissue from the sphenoid sinus
- 31298** Nasal/sinus endoscopy, surgical; with dilation of frontal and sphenoid sinus ostia (eg, balloon dilation)
- 32994** Ablation therapy for reduction or eradication of 1 or more pulmonary tumor(s) including pleura or chest wall when involved by tumor extension, percutaneous, including imaging guidance when performed, unilateral; cryoablation
- 33927** Implantation of a total replacement heart system (artificial heart) with recipient cardiectomy
- 33928** Removal and replacement of total replacement heart system (artificial heart)
- 33929** Removal of a total replacement heart system (artificial heart) for heart transplantation (list separately in addition to code for primary procedure)
- 34701** Endovascular repair of infrarenal aorta by deployment of an aorto-aortic tube endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the aortic bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the aortic bifurcation; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer)
- 34702** Endovascular repair of infrarenal aorta by deployment of an aorto-aortic tube endograft

including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the aortic bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the aortic bifurcation; for rupture including temporary aortic and/or iliac balloon occlusion, when performed (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer, traumatic disruption)

34703 Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-uni-iliac endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer)

34704 Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-uni-iliac endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for rupture including temporary aortic and/or iliac balloon occlusion, when performed (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer, traumatic disruption)

34705 Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-bi-iliac endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer)

34706 Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-bi-iliac endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for rupture including temporary aortic and/or iliac balloon occlusion, when performed (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer, traumatic disruption)

34707 endovascular repair of iliac artery by deployment of an ilio-iliac tube endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and all endograft extension(s) proximally to the aortic bifurcation and distally to the iliac bifurcation, and treatment zone angioplasty/stenting, when performed, unilateral; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, arteriovenous malformation)

34708 endovascular repair of iliac artery by deployment of an ilio-iliac tube endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and all endograft extension(s) proximally to the aortic bifurcation and distally to the iliac bifurcation, and treatment zone angioplasty/stenting, when performed, unilateral; for rupture including temporary aortic and/or iliac balloon occlusion, when performed (eg, for aneurysm, pseudoaneurysm, dissection, arteriovenous malformation, traumatic disruption)

- placement of extension prosthesis(es) distal to the common iliac artery(ies) or proximal to the renal artery(ies) for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, dissection, penetrating ulcer, including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and treatment zone angioplasty/stenting, when performed, per vessel treated (list separately in addition to code for primary procedure)
- 34709**
- delayed placement of distal or proximal extension prosthesis for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, dissection, endoleak, or endograft migration, including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and treatment zone angioplasty/stenting, when performed; initial vessel treated
- 34710**
- delayed placement of distal or proximal extension prosthesis for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, dissection, endoleak, or endograft migration, including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and treatment zone angioplasty/stenting, when performed; each additional vessel treated (list separately in addition to code for primary procedure)
- 34711**
- transcatheter delivery of enhanced fixation device(s) to the endograft (eg, anchor, screw, tack) and all associated radiological supervision and interpretation
- 34712**
- percutaneous access and closure of femoral artery for delivery of endograft through a large sheath (12 french or larger), including ultrasound guidance, when performed, unilateral (list separately in addition to code for primary procedure)
- 34713**
- open femoral artery exposure with creation of conduit for delivery of endovascular prosthesis or for establishment of cardiopulmonary bypass, by groin incision, unilateral (list separately in addition to code for primary procedure)
- 34714**
- open axillary/subclavian artery exposure for delivery of endovascular prosthesis by infraclavicular or supraclavicular incision, unilateral (list separately in addition to code for primary procedure)
- 34715**
- open axillary/subclavian artery exposure with creation of conduit for delivery of endovascular prosthesis or for establishment of cardiopulmonary bypass, by infraclavicular or supraclavicular incision, unilateral (list separately in addition to code for primary procedure)
- 34716**
- injection of non-compounded foam sclerosant with ultrasound compression maneuvers to guide dispersion of the injectate, inclusive of all imaging guidance and monitoring; single incompetent extremity truncal vein (eg, great saphenous vein, accessory saphenous vein)
- 36465**
- injection of non-compounded foam sclerosant with ultrasound compression maneuvers to guide dispersion of the injectate, inclusive of all imaging guidance and monitoring; multiple incompetent truncal veins (eg, great saphenous vein, accessory saphenous vein), same leg
- 36466**
- endovenous ablation therapy of incompetent vein, extremity, by transcatheter delivery of a chemical adhesive (eg, cyanoacrylate) remote from the access site, inclusive of all imaging guidance and monitoring, percutaneous; first vein treated
- 36482**
- endovenous ablation therapy of incompetent vein, extremity, by transcatheter delivery of a chemical adhesive (eg, cyanoacrylate) remote from the access site, inclusive of all imaging guidance and monitoring, percutaneous; subsequent vein(s) treated in a single extremity,
- 36483**

- each through separate access sites (list separately in addition to code for primary procedure)
- 38222** diagnostic bone marrow; biopsy(ies) and aspiration(s)
- laparoscopy, surgical; with bilateral total pelvic lymphadenectomy and peri-aortic lymph node sampling, peritoneal washings, peritoneal biopsy(ies), omentectomy, and diaphragmatic
- 38573** washings, including diaphragmatic and other serosal biopsy(ies), when performed
- esophagectomy, total or near total, with laparoscopic mobilization of the abdominal and mediastinal esophagus and proximal gastrectomy, with laparoscopic pyloric drainage procedure if performed, with open cervical pharyngogastrostomy or esophagogastrostomy (ie,
- 43286** laparoscopic transhiatal esophagectomy)
- esophagectomy, distal two-thirds, with laparoscopic mobilization of the abdominal and lower mediastinal esophagus and proximal gastrectomy, with laparoscopic pyloric drainage procedure if performed, with separate thoracoscopic mobilization of the middle and upper mediastinal esophagus and thoracic esophagogastrostomy (ie, laparoscopic thoracoscopic
- 43287** esophagectomy, ivor lewis esophagectomy)
- esophagectomy, total or near total, with thoracoscopic mobilization of the upper, middle, and lower mediastinal esophagus, with separate laparoscopic proximal gastrectomy, with laparoscopic pyloric drainage procedure if performed, with open cervical pharyngogastrostomy or esophagogastrostomy (ie, thoracoscopic, laparoscopic and cervical
- 43288** incision esophagectomy, mckeown esophagectomy, tri-incisional esophagectomy)
- transperineal placement of biodegradable material, peri-prostatic, single or multiple
- 55874** injection(s), including image guidance, when performed
- laparoscopy, surgical, total hysterectomy for resection of malignancy (tumor debulking), with omentectomy including salpingo-oophorectomy, unilateral or bilateral, when performed
- 58575**
- 64912** nerve repair; with nerve allograft, each nerve, first strand (cable)
- nerve repair; with nerve allograft, each additional strand (list separately in addition to code for primary procedure)
- 64913**
- 71045** radiologic examination, chest; single view
- 71046** radiologic examination, chest; 2 views
- 71047** radiologic examination, chest; 3 views
- 71048** radiologic examination, chest; 4 or more views
- 74018** radiologic examination, abdomen; 1 view
- 74019** radiologic examination, abdomen; 2 views
- 74021** radiologic examination, abdomen; 3 or more views
- human platelet antigen 1 genotyping (hpa-1), itgb3 (integrin, beta 3 [platelet glycoprotein iii_a], antigen cd61 [gp_{iii_a}]) (eg, neonatal alloimmune thrombocytopenia [nait], post-transfusion purpura), gene analysis, common variant, hpa-1a/b (l33p)
- 81105**
- human platelet antigen 2 genotyping (hpa-2), gp1ba (glycoprotein ib [platelet], alpha polypeptide [gp_{1b_a}]) (eg, neonatal alloimmune thrombocytopenia [nait], post-transfusion purpura), gene analysis, common variant, hpa-2a/b (t145m)
- 81106**
- 81107** human platelet antigen 3 genotyping (hpa-3), itga2b (integrin, alpha 2b [platelet glycoprotein

- iib of iib/iiia complex], antigen cd41 [gpiib]) (eg, neonatal alloimmune thrombocytopenia [nait], post-transfusion purpura), gene analysis, common variant, hpa-3a/b (i843s)
- 81108** human platelet antigen 4 genotyping (hpa-4), itgb3 (integrin, beta 3 [platelet glycoprotein iiia], antigen cd61 [gp11a]) (eg, neonatal alloimmune thrombocytopenia [nait], post-transfusion purpura), gene analysis, common variant, hpa-4a/b (r143q)
- 81109** human platelet antigen 5 genotyping (hpa-5), itga2 (integrin, alpha 2 [cd49b, alpha 2 subunit of vla-2 receptor] [gpia]) (eg, neonatal alloimmune thrombocytopenia [nait], post-transfusion purpura), gene analysis, common variant (eg, hpa-5a/b (k505e))
- 81110** human platelet antigen 6 genotyping (hpa-6w), itgb3 (integrin, beta 3 [platelet glycoprotein iiia, antigen cd61] [gp11a]) (eg, neonatal alloimmune thrombocytopenia [nait], post-transfusion purpura), gene analysis, common variant, hpa-6a/b (r489q)
- 81111** human platelet antigen 9 genotyping (hpa-9w), itga2b (integrin, alpha 2b [platelet glycoprotein iib of iib/iiia complex, antigen cd41] [gpiib]) (eg, neonatal alloimmune thrombocytopenia [nait], post-transfusion purpura), gene analysis, common variant, hpa-9a/b (v837m)
- 81112** human platelet antigen 15 genotyping (hpa-15), cd109 (cd109 molecule) (eg, neonatal alloimmune thrombocytopenia [nait], post-transfusion purpura), gene analysis, common variant, hpa-15a/b (s682y)
- 81120** idh1 (isocitrate dehydrogenase 1 [nadp+], soluble) (eg, glioma), common variants (eg, r132h, r132c)
- 81121** idh2 (isocitrate dehydrogenase 2 [nadp+], mitochondrial) (eg, glioma), common variants (eg, r140w, r172m)
- 81175** asxl1 (additional sex combs like 1, transcriptional regulator) (eg, myelodysplastic syndrome, myeloproliferative neoplasms, chronic myelomonocytic leukemia), gene analysis; full gene sequence
- 81176** asxl1 (additional sex combs like 1, transcriptional regulator) (eg, myelodysplastic syndrome, myeloproliferative neoplasms, chronic myelomonocytic leukemia), gene analysis; targeted sequence analysis (eg, exon 12)
- 81230** cyp3a4 (cytochrome p450 family 3 subfamily a member 4) (eg, drug metabolism), gene analysis, common variant(s) (eg, *2, *22)
- 81231** cyp3a5 (cytochrome p450 family 3 subfamily a member 5) (eg, drug metabolism), gene analysis, common variants (eg, *2, *3, *4, *5, *6, *7)
- 81232** dpyd (dihydropyrimidine dehydrogenase) (eg, 5-fluorouracil/5-fu and capecitabine drug metabolism), gene analysis, common variant(s) (eg, *2a, *4, *5, *6)
- 81238** f9 (coagulation factor ix) (eg, hemophilia b), full gene sequence
- 81247** g6pd (glucose-6-phosphate dehydrogenase) (eg, hemolytic anemia, jaundice), gene analysis; common variant(s) (eg, a, a-)
- 81248** g6pd (glucose-6-phosphate dehydrogenase) (eg, hemolytic anemia, jaundice), gene analysis; known familial variant(s)
- 81249** g6pd (glucose-6-phosphate dehydrogenase) (eg, hemolytic anemia, jaundice), gene analysis; full gene sequence

- 81258** hba1/hba2 (alpha globin 1 and alpha globin 2) (eg, alpha thalassemia, hb bart hydrops fetalis syndrome, hbh disease), gene analysis; known familial variant
- 81259** hba1/hba2 (alpha globin 1 and alpha globin 2) (eg, alpha thalassemia, hb bart hydrops fetalis syndrome, hbh disease), gene analysis; full gene sequence
- 81269** hba1/hba2 (alpha globin 1 and alpha globin 2) (eg, alpha thalassemia, hb bart hydrops fetalis syndrome, hbh disease), gene analysis; duplication/deletion variants
- 81283** ifnl3 (interferon, lambda 3) (eg, drug response), gene analysis, rs12979860 variant
- 81328** slco1b1 (solute carrier organic anion transporter family, member 1b1) (eg, adverse drug reaction), gene analysis, common variant(s) (eg, *5)
- 81334** runx1 (runt related transcription factor 1) (eg, acute myeloid leukemia, familial platelet disorder with associated myeloid malignancy), gene analysis, targeted sequence analysis (eg, exons 3-8)
- 81335** tpmt (thiopurine s-methyltransferase) (eg, drug metabolism), gene analysis, common variants (eg, *2, *3)
- 81346** tyms (thymidylate synthetase) (eg, 5-fluorouracil/5-fu drug metabolism), gene analysis, common variant(s) (eg, tandem repeat variant)
- 81361** hbb (hemoglobin, subunit beta) (eg, sickle cell anemia, beta thalassemia, hemoglobinopathy); common variant(s) (eg, hbs, hbc, hbe)
- 81362** hbb (hemoglobin, subunit beta) (eg, sickle cell anemia, beta thalassemia, hemoglobinopathy); known familial variant(s)
- 81363** hbb (hemoglobin, subunit beta) (eg, sickle cell anemia, beta thalassemia, hemoglobinopathy); duplication/deletion variant(s)
- 81364** hbb (hemoglobin, subunit beta) (eg, sickle cell anemia, beta thalassemia, hemoglobinopathy); full gene sequence
- 81448** hereditary peripheral neuropathies (eg, charcot-marie-tooth, spastic paraplegia), genomic sequence analysis panel, must include sequencing of at least 5 peripheral neuropathy-related genes (eg, bscl2, gjb1, mfn2, mpz, reep1, spast, spg11, sptlc1)
- 81520** oncology (breast), mrna gene expression profiling by hybrid capture of 58 genes (50 content and 8 housekeeping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as a recurrence risk score
- 81521** oncology (breast), mrna, microarray gene expression profiling of 70 content genes and 465 housekeeping genes, utilizing fresh frozen or formalin-fixed paraffin-embedded tissue, algorithm reported as index related to risk of distant metastasis
- 81541** oncology (prostate), mrna gene expression profiling by real-time rt-pcr of 46 genes (31 content and 15 housekeeping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as a disease-specific mortality risk score
- 81551** oncology (prostate), promoter methylation profiling by real-time pcr of 3 genes (gstp1, apc, rassf1), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as a likelihood of prostate cancer detection on repeat biopsy
- 86008*** Allergen specific IgE; quantitative or semiquantitative, recombinant or purified component,

- each
- 86794** antibody; zika virus, igm
- infectious agent detection by nucleic acid (dna or rna); respiratory syncytial virus, amplified probe technique
- 87634**
- 87662** infectious agent detection by nucleic acid (dna or rna); zika virus, amplified probe technique
- patient/caregiver training for initiation of home international normalized ratio (inr) monitoring under the direction of a physician or other qualified health care professional, face-to-face, including use and care of the inr monitor, obtaining blood sample, instructions for reporting home inr test results, and documentation of patient's/caregiver's ability to perform testing and report results
- 93792**
- anticoagulant management for a patient taking warfarin, must include review and interpretation of a new home, office, or lab international normalized ratio (inr) test result, patient instructions, dosage adjustment (as needed), and scheduling of additional test(s), when performed
- 93793**
- exercise test for bronchospasm, including pre- and post-spirometry, electrocardiographic recording(s), and pulse oximetry
- 94617**
- pulmonary stress testing (eg, 6-minute walk test), including measurement of heart rate, oximetry, and oxygen titration, when performed
- 94618**
- ambulatory continuous glucose monitoring of interstitial tissue fluid via a subcutaneous sensor for a minimum of 72 hours; patient-provided equipment, sensor placement, hook-up, calibration of monitor, patient training, and printout of recording
- 95249**
- photodynamic therapy by external application of light to destroy premalignant lesions of the skin and adjacent mucosa with application and illumination/activation of photosensitizing drug(s) provided by a physician or other qualified health care professional, per day
- 96573**
- debridement of premalignant hyperkeratotic lesion(s) (ie, targeted curettage, abrasion) followed with photodynamic therapy by external application of light to destroy premalignant lesions of the skin and adjacent mucosa with application and illumination/activation of photosensitizing drug(s) provided by a physician or other qualified health care professional, per day
- 96574**
- therapeutic interventions that focus on cognitive function (eg, attention, memory, reasoning, executive function, problem solving, and/or pragmatic functioning) and compensatory strategies to manage the performance of an activity (eg, managing time or schedules, initiating, organizing and sequencing tasks), direct (one-on-one) patient contact
- 97127**
- orthotic(s)/prosthetic(s) management and/or training, upper extremity(ies), lower extremity(ies), and/or trunk, subsequent orthotic(s)/prosthetic(s) encounter, each 15 minutes
- 97763**

assessment of and care planning for a patient with cognitive impairment, requiring an independent historian, in the office or other outpatient, home or domiciliary or rest home, with all of the following required elements: cognition-focused evaluation including a pertinent history and examination; medical decision making of moderate or high complexity; functional assessment (eg, basic and instrumental activities of daily living), including decision-making capacity; use of standardized instruments for staging of dementia (eg, functional assessment staging test [fast], clinical dementia rating [cdr]); medication reconciliation and review for high-risk medications; evaluation for neuropsychiatric and behavioral symptoms, including depression, including use of standardized screening instrument(s); evaluation of safety (eg, home), including motor vehicle operation; identification of caregiver(s), caregiver knowledge, caregiver needs, social supports, and the willingness of caregiver to take on caregiving tasks; development, updating or revision, or review of an advance care plan; creation of a written care plan, including initial plans to address any neuropsychiatric symptoms, neuro-cognitive symptoms, functional limitations, and referral to community resources as needed (eg, rehabilitation services, adult day programs, support groups) shared with the patient and/or caregiver with initial education and support. typically, 50 minutes are spent face-to-face with the patient and/or family or caregiver.

99483

care management services for behavioral health conditions, at least 20 minutes of clinical staff time, directed by a physician or other qualified health care professional, per calendar month, with the following required elements: initial assessment or follow-up monitoring, including the use of applicable validated rating scales; behavioral health care planning in relation to behavioral/psychiatric health problems, including revision for patients who are not progressing or whose status changes; facilitating and coordinating treatment such as psychotherapy, pharmacotherapy, counseling and/or psychiatric consultation; and continuity of care with a designated member of the care team.

99484

initial psychiatric collaborative care management, first 70 minutes in the first calendar month of behavioral health care manager activities, in consultation with a psychiatric consultant, and directed by the treating physician or other qualified health care professional, with the following required elements: outreach to and engagement in treatment of a patient directed by the treating physician or other qualified health care professional; initial assessment of the patient, including administration of validated rating scales, with the development of an individualized treatment plan; review by the psychiatric consultant with modifications of the plan if recommended; entering patient in a registry and tracking patient follow-up and progress using the registry, with appropriate documentation, and participation in weekly caseload consultation with the psychiatric consultant; and provision of brief interventions using evidence-based techniques such as behavioral activation, motivational interviewing, and other focused treatment strategies.

99492

subsequent psychiatric collaborative care management, first 60 minutes in a subsequent month of behavioral health care manager activities, in consultation with a psychiatric consultant, and directed by the treating physician or other qualified health care professional, with the following required elements: tracking patient follow-up and progress using the registry, with appropriate documentation; participation in weekly caseload consultation with the psychiatric consultant; ongoing collaboration with and coordination of the patient's mental health care with the treating physician or other qualified health care professional and any

99493

other treating mental health providers; additional review of progress and recommendations for changes in treatment, as indicated, including medications, based on recommendations provided by the psychiatric consultant; provision of brief interventions using evidence-based techniques such as behavioral activation, motivational interviewing, and other focused treatment strategies; monitoring of patient outcomes using validated rating scales; and relapse prevention planning with patients as they achieve remission of symptoms and/or other treatment goals and are prepared for discharge from active treatment.

initial or subsequent psychiatric collaborative care management, each additional 30 minutes in a calendar month of behavioral health care manager activities, in consultation with a psychiatric consultant, and directed by the treating physician or other qualified health care professional (list separately in addition to code for primary procedure)

99494

0024U

Glycosylated acute phase proteins (GlycA), nuclear magnetic resonance spectroscopy, quantitative

0025U

Tenofovir, by liquid chromatography with tandem mass spectrometry (LC-MS/MS), urine, quantitative

0026U

Oncology (thyroid), DNA and mRNA of 112 genes, next-generation sequencing, fine needle aspirate of thyroid nodule, algorithmic analysis reported as a categorical result ("Positive, high probability of malignancy" or "Negative, low probability of malignancy")

0027U

JAK2 (Janus kinase 2) (eg, myeloproliferative disorder) gene analysis, targeted sequence analysis exons 12-15

0028U

CYP2D6 (cytochrome P450, family 2, subfamily D, polypeptide 6) (eg, drug metabolism) gene analysis, copy number variants, common variants with reflex to targeted sequence analysis

0029U

Drug metabolism (adverse drug reactions and drug response), targeted sequence analysis (ie, CYP1A2, CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, CYP4F2, SLCO1B1, VKORC1 and rs12777823)

0030U

Drug metabolism (warfarin drug response), targeted sequence analysis (ie, CYP2C9, CYP4F2, VKORC1, rs12777823)

0031U

CYP1A2 (cytochrome P450 family 1, subfamily A, member 2)(eg, drug metabolism) gene analysis, common variants (ie, *1F, *1K, *6, *7)

0032U

COMT (catechol-O-methyltransferase)(drug metabolism) gene analysis, c.472G>A (rs4680) variant

0033U

HTR2A (5-hydroxytryptamine receptor 2A), HTR2C (5-hydroxytryptamine receptor 2C) (eg, citalopram metabolism) gene analysis, common variants (ie, HTR2A rs7997012 [c.614-2211T>C], HTR2C rs3813929 [c.-759C>T] and rs1414334 [c.551-3008C>G])

0034U

TPMT (thiopurine S-methyltransferase), NUDT15 (nudix hydroxylase 15)(eg, thiopurine metabolism) gene analysis, common variants (ie, TPMT *2, *3A, *3B, *3C, *4, *5, *6, *8, *12; NUDT15 *3, *4, *5)

New Category III Codes

07/01/17

- 0469T** Retinal polarization scan, ocular screening with on-site automated results, bilateral
- 0470T** Optical coherence tomography (OCT) for microstructural and morphological imaging of skin, image acquisition, interpretation, and report; first lesion
- 0471T** Optical coherence tomography (OCT) for microstructural and morphological imaging of skin, image acquisition, interpretation, and report; each additional lesion (list separately in addition to code for primary procedure)
- 0472T** Device evaluation, interrogation, and initial programming of intraocular retinal electrode array (eg, retinal prosthesis), in person, with iterative adjustment of the implantable device to test functionality, select optimal permanent programmed values with analysis, including visual training, with review and report by a qualified healthcare professional
- 0473T** Device evaluation and interrogation of intraocular retinal electrode array (eg, retinal prosthesis), in person, including reprogramming and visual training, when performed, with review and report by a qualified healthcare professional
- 0474T** Insertion of anterior segment aqueous drainage device, with creation of intraocular reservoir, internal approach, into the supraciliary space
- 0475T** Recording of fetal magnetic cardiac signal using at least 3 channels; patient recording and storage, data scanning with signal extraction, technical analysis and result, as well as supervision, review, and interpretation of report by a physician or other qualified healthcare professional
- 0476T** Patient recording, data scanning, with raw electronic signal transfer of data and storage
- 0477T** Recording of fetal magnetic cardiac using at least 3 channels; signal extraction, technical analysis, and result
- 0478T** Recording of fetal magnetic cardiac signal using at least 3 channels; review, interpretation, report by physician or other qualified healthcare professional

01/01/18

- 0011M** Oncology, prostate cancer, mRNA expression assay of 12 genes (10 content and 2 housekeeping), RT-PCR test utilizing blood plasma and/or urine, algorithms to predict high-grade prostate cancer risk
- 0479T** Fractional ablative laser fenestration of burn and traumatic scars for functional improvement; first 100 cm² or part thereof, or 1% of body surface area of infants and children

- 0480T** Fractional ablative laser fenestration of burn and traumatic scars for functional improvement; each additional 100 cm², or each additional 1% of body surface area of infants and children, or part thereof (list separately in addition to code for primary procedure)
- 0481T** Injection(s), autologous white blood cell concentrate (autologous protein solution), any site, including image guidance, harvesting and preparation, when performed
- 0482T** Absolute quantitation of myocardial blood flow, positron emission tomography (PET), rest and stress (list separately in addition to code for primary procedure)
- 0483T** Transcatheter mitral valve implantation/replacement (TMVI) with prosthetic valve; percutaneous approach, including transeptal puncture, when performed
- 0484T** Transcatheter mitral valve implantation/replacement (TMVI) with prosthetic valve; transthoracic exposure (eg, thoracotomy, transapical)
- 0485T** Optical coherence tomography (OCT) of middle ear, with interpretation and report; unilateral
- 0486T** Optical coherence tomography (OCT) of middle ear, with interpretation and report; bilateral
- 0487T** Biomechanical mapping, transvaginal, with report
- 0488T** Preventive behavior change, online/electronic structured intensive program for prevention of diabetes using a standardized diabetes prevention program curriculum, provided to an individual, per 30 days
- 0489T** Autologous adipose-derived regenerative cell therapy for scleroderma in the hands; adipose tissue harvesting, isolation and preparation of harvested cells including incubation with cell dissociation enzymes, removal of non-viable cells and debris, determination of concentration and dilution of regenerative cells
- 0490T** Autologous adipose-derived regenerative cell therapy for scleroderma in the hands; multiple injections in one or both hands
- 0491T** Ablative laser treatment, non-contact, full field and fractional ablation, open wound, per day, total treatment surface area; first 20 sq cm or less
- 0492T** Ablative laser treatment, non-contact, full field and fractional ablation, open wound, per day, total treatment surface area; each additional 20 sq cm, or part thereof (list separately in addition to code for primary procedure)
- 0493T** Near-infrared spectroscopy studies of lower extremity wounds (eg, for oxyhemoglobin measurement)
- 0494T** Surgical preparation and cannulation of marginal (extended) cadaver donor lung(s) to ex vivo organ perfusion system, including decannulation, separation from the perfusion system, and cold preservation of the allograft prior to implantation, when performed
- 0495T** Initiation and monitoring marginal (extended) cadaver donor lung(s) organ perfusion system by physician or qualified healthcare professional, including physiological and laboratory assessment (eg, pulmonary artery flow, pulmonary artery pressure, left atrial pressure, pulmonary vascular resistance, mean/peak and plateau airway pressure, dynamic compliance and perfusate gas analysis), including bronchoscopy and x ray when performed; first two hours in sterile field
- 0496T** Initiation and monitoring marginal (extended) cadaver donor lung(s) organ perfusion system by physician or qualified healthcare professional, including physiological and laboratory

assessment (eg, pulmonary artery flow, pulmonary artery pressure, left atrial pressure, pulmonary vascular resistance, mean/peak and plateau airway pressure, dynamic compliance and perfusate gas analysis), including bronchoscopy and x ray when performed; each additional hour (list separately in addition to code for primary procedure)

0497T External patient-activated, physician- or other qualified healthcare professional-prescribed, electrocardiographic rhythm derived event recorder without 24 hour attended monitoring; in-office connection

0498T External patient-activated, physician- or other qualified healthcare professional-prescribed, electrocardiographic rhythm derived event recorder without 24 hour attended monitoring; review and interpretation by a physician or other qualified healthcare professional per 30 days with at least one patient-generated triggered event

0499T Cystourethroscopy, with mechanical dilation and urethral therapeutic drug delivery for urethral stricture or stenosis, including fluoroscopy, when performed

0500T Infectious agent detection by nucleic acid (DNA or RNA), human papillomavirus (HPV) for five or more separately reported high-risk hpv types (eg, 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 68) (ie, genotyping)

0501T Noninvasive estimated coronary fractional flow reserve (FFR) derived from coronary computed tomography angiography data using computation fluid dynamics physiologic simulation software analysis of functional data to assess the severity of coronary artery disease; data preparation and transmission, analysis of fluid dynamics and simulated maximal coronary hyperemia, generation of estimated ffr model, with anatomical data review in comparison with estimated ffr model to reconcile discordant data, interpretation and report

0502T Noninvasive estimated coronary fractional flow reserve (FFR) derived from coronary computed tomography angiography data using computation fluid dynamics physiologic simulation software analysis of functional data to assess the severity of coronary artery disease; data preparation and transmission

0503T Noninvasive estimated coronary fractional flow reserve (FFR) derived from coronary computed tomography angiography data using computation fluid dynamics physiologic simulation software analysis of functional data to assess the severity of coronary artery disease; analysis of fluid dynamics and simulated maximal coronary hyperemia, and generation of estimated ffr model

0504T Noninvasive estimated coronary fractional flow reserve (FFR) derived from coronary computed tomography angiography data using computation fluid dynamics physiologic simulation software analysis of functional data to assess the severity of coronary artery disease; anatomical data review in comparison with estimated ffr model to reconcile discordant data, interpretation and report

Deleted Codes

12/31/17

- 00740** Anesthesia for upper gastrointestinal endoscopic procedures, endoscope introduced proximal to duodenum
- 00810** Anesthesia for lower intestinal endoscopic procedures, endoscope introduced distal to duodenum
- 01180** Anesthesia for obturator neurectomy; extrapelvic
- 01190** Anesthesia for obturator neurectomy; intrapelvic
- 01682** Anesthesia for shoulder cast application, removal or repair; shoulder spica
- 15732** Muscle, myocutaneous, or fasciocutaneous flap; head and neck (eg, temporalis, masseter muscle, sternocleidomastoid, levator scapulae)
- 29582** Application of multi-layer compression system; thigh and leg, including ankle and foot, when performed
- 29583** Application of multi-layer compression system; upper arm and forearm
- 31320** Laryngotomy (thyrotomy, laryngofissure); diagnostic
- 34800** Endovascular repair of infrarenal abdominal aortic aneurysm or dissection; using aorto-aortic tube prosthesis
- 34802** Endovascular repair of infrarenal abdominal aortic aneurysm or dissection; using modular bifurcated prosthesis (1 docking limb)
- 34803** Endovascular repair of infrarenal abdominal aortic aneurysm or dissection; using modular bifurcated prosthesis (2 docking limbs)
- 34804** Endovascular repair of infrarenal abdominal aortic aneurysm or dissection; using unibody bifurcated prosthesis
- 34805** Endovascular repair of infrarenal abdominal aortic aneurysm or dissection; using aorto-uniiliac or aorto-unifemoral prosthesis
- 34806** Transcatheter placement of wireless physiologic sensor in aneurysmal sac during endovascular repair, including radiological supervision and interpretation, instrument calibration, and collection of pressure data (list separately in addition to code for primary procedure)
- 34825** Placement of proximal or distal extension prosthesis for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, or dissection; initial vessel
- 34826** Placement of proximal or distal extension prosthesis for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, or dissection; each additional vessel

(list separately in addition to code for primary procedure)

- 34900** Endovascular repair of iliac artery (eg, aneurysm, pseudoaneurysm, arteriovenous malformation, trauma) using ilio-iliac tube endoprosthesis
- 36120** Introduction of needle or intracatheter; retrograde brachial artery
- 36515** Therapeutic apheresis; with extracorporeal immunoabsorption and plasma reinfusion
- 55450** Ligation (percutaneous) of vas deferens, unilateral or bilateral (separate procedure)
- 64565** Percutaneous implantation of neurostimulator electrode array; neuromuscular
- 69820** Fenestration semicircular canal
- 69840** Revision fenestration operation
- 71010** Radiologic examination, chest; single view, frontal
- 71015** Radiologic examination, chest; stereo, frontal
- 71020** Radiologic examination, chest, 2 views, frontal and lateral;
- 71021** Radiologic examination, chest, 2 views, frontal and lateral; with apical lordotic procedure
- 71022** Radiologic examination, chest, 2 views, frontal and lateral; with oblique projections
- 71023** Radiologic examination, chest, 2 views, frontal and lateral; with fluoroscopy
- 71030** Radiologic examination, chest, complete, minimum of 4 views;
- 71034** Radiologic examination, chest, complete, minimum of 4 views; with fluoroscopy
- 71035** Radiologic examination, chest, special views (eg, lateral decubitus, bucky studies)
- 74000** Radiologic examination, abdomen; single anteroposterior view
- 74010** Radiologic examination, abdomen; anteroposterior and additional oblique and cone views
- 74020** Radiologic examination, abdomen; complete, including decubitus and/or erect views
- 75658** Angiography, brachial, retrograde, radiological supervision and interpretation
- 75952** Endovascular repair of infrarenal abdominal aortic aneurysm or dissection, radiological supervision and interpretation
- 75953** Placement of proximal or distal extension prosthesis for endovascular repair of infrarenal aortic or iliac artery aneurysm, pseudoaneurysm, or dissection, radiological supervision and interpretation
- 75954** Endovascular repair of iliac artery aneurysm, pseudoaneurysm, arteriovenous malformation, or trauma, using ilio-iliac tube endoprosthesis, radiological supervision and interpretation

- 77422** High energy neutron radiation treatment delivery; single treatment area using a single port or parallel-opposed ports with no blocks or simple blocking
- 78190** Kinetics, study of platelet survival, with or without differential organ/tissue localization
- 83499** Hydroxyprogesterone, 20-
- 84061** Phosphatase, acid; forensic examination
- 86185** Counterimmunoelectrophoresis, each antigen
- 86243** FC receptor
- 86378** Migration inhibitory factor test (MIF)
- 86729** Antibody; lymphogranuloma venereum
- 86822** HLA typing; lymphocyte culture, primed (PLC)
- 87277** Infectious agent antigen detection by immunofluorescent technique; *Legionella micdadei*
- 87470** Infectious agent detection by nucleic acid (DNA or RNA); *Bartonella henselae* and *Bartonella quintana*, direct probe technique
- 87477** Infectious agent detection by nucleic acid (DNA or RNA); *Borrelia burgdorferi*, quantification
- 87515** Infectious agent detection by nucleic acid (DNA or RNA); hepatitis B virus, direct probe technique
- 88154** Cytopathology, slides, cervical or vaginal; with manual screening and computer-assisted rescreening using cell selection and review under physician supervision
- 93982** Noninvasive physiologic study of implanted wireless pressure sensor in aneurysmal sac following endovascular repair, complete study including recording, analysis of pressure and waveform tracings, interpretation and report
- 94620** Pulmonary stress testing; simple (eg, 6-minute walk test, prolonged exercise test for bronchospasm with pre- and post-spirometry and oximetry)
- 97532** Development of cognitive skills to improve attention, memory, problem solving (includes compensatory training), direct (one-on-one) patient contact, each 15 minutes
- 97762** Checkout for orthotic/prosthetic use, established patient, each 15 minutes
- 99363** Anticoagulant management for an outpatient taking warfarin, physician review and interpretation of international normalized ratio (INR) testing, patient instructions, dosage adjustment (as needed), and ordering of additional tests; initial 90 days of therapy (must include a minimum of 8 INR measurements)
- 99364** Anticoagulant management for an outpatient taking warfarin, physician review and interpretation of international normalized ratio (INR) testing, patient instructions, dosage adjustment (as needed), and ordering of additional tests; each subsequent 90 days of therapy (must include a minimum of 3 INR measurements)

- 0008M** Oncology (breast), mrna analysis of 58 genes using hybrid capture, on formalin-fixed paraffin-embedded (FFPE) tissue, prognostic algorithm reported as a risk score
- 0004U-** Infectious disease (bacterial), DNA, 27 resistance genes, PCR amplification and probe hybridization in microarray format (molecular detection and identification of AmpC, carbapenemase and ESBL coding genes), bacterial culture colonies, report of genes detected or not detected, per isolate
- 0015U-** Drug metabolism (adverse drug reactions), DNA, 22 drug metabolism and transporter genes, real-time PCR, blood or buccal swab, genotype and metabolizer status for therapeutic decision support

Deleted Category III Codes

12/31/17

- 0051T** Implantation of a total replacement heart system (artificial heart) with recipient cardiectomy
- 0052T** Replacement or repair of thoracic unit of a total replacement heart system (artificial heart)
- 0053T** Replacement or repair of implantable component or components of total replacement heart system (artificial heart), excluding thoracic unit
- 0178T** Electrocardiogram, 64 leads or greater, with graphic presentation and analysis; with interpretation and report
- 0179T** Electrocardiogram, 64 leads or greater, with graphic presentation and analysis; tracing and graphics only, without interpretation and report
- 0180T** Electrocardiogram, 64 leads or greater, with graphic presentation and analysis; interpretation and report only
- 0255T** Endovascular repair of iliac artery bifurcation (eg, aneurysm, pseudoaneurysm, arteriovenous malformation, trauma) using bifurcated endoprosthesis from the common iliac artery into both the external and internal iliac artery, unilateral; radiological supervision and interpretation
- 0293T** Insertion of left atrial hemodynamic monitor; complete system, includes implanted communication module and pressure sensor lead in left atrium including transeptal access, radiological supervision and interpretation, and associated injection procedures, when performed
- 0294T** Insertion of left atrial hemodynamic monitor; pressure sensor lead at time of insertion of pacing cardioverter-defibrillator pulse generator including radiological supervision and interpretation and associated injection procedures, when performed (list separately in addition to code for primary procedure)
- 0299T** Extracorporeal shock wave for integumentary wound healing, high energy, including topical

- application and dressing care; initial wound
- 0300T** Extracorporeal shock wave for integumentary wound healing, high energy, including topical application and dressing care; each additional wound (list separately in addition to code for primary procedure)
 - 0301T** Destruction/reduction of malignant breast tumor with externally applied focused microwave, including interstitial placement of disposable catheter with combined temperature monitoring probe and microwave focusing sensocatheter under ultrasound thermotherapy guidance
 - 0302T** Insertion or removal and replacement of intracardiac ischemia monitoring system including imaging supervision and interpretation when performed and intra-operative interrogation and programming when performed; complete system (includes device and electrode)
 - 0303T** Insertion or removal and replacement of intracardiac ischemia monitoring system including imaging supervision and interpretation when performed and intra-operative interrogation and programming when performed; electrode only
 - 0304T** Insertion or removal and replacement of intracardiac ischemia monitoring system including imaging supervision and interpretation when performed and intra-operative interrogation and programming when performed; device only
 - 0305T** Programming device evaluation (in person) of intracardiac ischemia monitoring system with iterative adjustment of programmed values, with analysis, review, and report
 - 0306T** Interrogation device evaluation (in person) of intracardiac ischemia monitoring system with analysis, review, and report
 - 0307T** Removal of intracardiac ischemia monitoring device
 - 0309T** Arthrodesis, pre-sacral interbody technique, including disc space preparation, discectomy, with posterior instrumentation, with image guidance, includes bone graft, when performed, lumbar, L4-L5 interspace (list separately in addition to code for primary procedure)
 - 0310T** Motor function mapping using non-invasive navigated transcranial magnetic stimulation (NTMS) for therapeutic treatment planning, upper and lower extremity
 - 0340T** Ablation, pulmonary tumor(s), including pleura or chest wall when involved by tumor extension, percutaneous, cryoablation, unilateral, includes imaging guidance
 - 0438T** Transperineal placement of biodegradable material, peri-prostatic (via needle), single or multiple, includes image guidance