

## Code updates

## January 2020 codes

The following CPT codes are not covered as they are considered experimental/investigational:

Code	Description
20560	Needle insertion(s) without injection(s); 1 or 2 muscle(s)
20561	Needle insertion(s) without injection(s); 3 or more muscles
34717	Endovascular repair of iliac artery at the time of aorto-iliac artery endograft placement by deployment of an iliac branched endograft including pre-procedure sizing and device selection, all ipsilateral selective iliac artery catheterization(s), all associated radiological supervision and interpretation, and all endograft extension(s) proximally to the aortic bifurcation and distally in the internal iliac, external iliac, and common femoral artery(ies), and treatment zone angioplasty/stenting, when performed, for rupture or other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, arteriovenous malformation, penetrating ulcer, traumatic disruption), unilateral (List separately in addition to code for primary procedure)
34718	Endovascular repair of iliac artery, not associated with placement of an aorto-iliac artery endograft at the same session, by deployment of an iliac branched endograft, including pre-procedure sizing and device selection, all ipsilateral selective iliac artery catheterization(s), all associated radiological supervision and interpretation, and all endograft extension(s) proximally to the aortic bifurcation and distally in the internal iliac, external iliac, and common femoral artery(ies), and treatment zone angioplasty/stenting, when performed, for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, arteriovenous malformation, penetrating ulcer), unilateral
64454	Injection(s), anesthetic agent(s) and/or steroid; genicular nerve branches, including imaging guidance, when performed
64624	Destruction by neurolytic agent, genicular nerve branches including imaging guidance, when performed
64625	Radiofrequency ablation, nerves innervating the sacroiliac joint, with image guidance (ie, fluoroscopy or computed tomography)
80145	Adalimumab
80187	Posaconazole
80230	Infliximab
80235	Lacosamide
80280	Vedolizumab
80285	Voriconazole

<ul> <li>colorectal and breast cancer) gene analysis, targeted sequence analysis (eg, exons 7, 9, 20)</li> <li>Roteious agent detection by nucleic acid (DNA or RNA); Mycoplasma genitalium, amplified probe technique</li> <li>90619 Meningococcal conjugate vaccine, serogroups A, C, W, Y, quadrivalent, tetanus toxoid carrier (MenACWY-TT), for intramuscular use</li> <li>90694 Influenza virus vaccine, quadrivalent (aIIV4), inactivated, adjuvanted, preservative free, 0.5 mL dosage, for intramuscular use</li> <li>93356 Myocardial strain imaging using speckle tracking-derived assessment of myocardial mechanics (List separately in addition to codes for echocardiography imaging)</li> <li>0139U Neurology (autism spectrum disorder [ASD]), quantitative measurements of 6 central carbon metabolites (ie, a-ketoglutarate, alanine, lactate, phenylalanine, pyruvate, and succinate), LC-MS/MS, plasma, algorithmic analysis with result reported as negative or positive (with metabolic subtypes of ASD)</li> <li>0140U Infectious disease (fungi), fungal pathogen identification, DNA (15 fungal targets), blood culture, amplified probe technique, each target reported as detected or not detected</li> <li>0141U Infectious disease (bacteria and fungi), gram-positive organism identification and drug resistance clement detection, DNA (20 gram-positive bacterial targets, 4 resistance genes, 1 pan gram-negative bacterial target, 1 pan Candida target), blood culture, amplified probe technique, each target reported as detected</li> <li>0142U Infectious disease (bacteria and fungi), gram-negative bacterial identification and drug resistance clement detection, DNA (21 gram-negative bacterial identification and drug resistance clement detection, DNA (21 gram-negative bacterial identification and drug resistance clement detection, DNA (21 gram-negative bacterial identification mad graphy with tandem mass spectrometry (LC-MS/MS) using multiple reaction monitoring (MRM), with drug or metabolite description, comments incl</li></ul>	81309	PIK3CA (phosphatidylinositol-4, 5-biphosphate 3-kinase, catalytic subunit alpha) (eg,
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monitoring (MRM), with drug or metabolite description, comments including sample validation, per date of service0145UDrug assay, definitive, 65 or more drugs or metabolites, urine, quantitative liquid chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction monitoring (MRM), with drug or metabolite description, comments including sample	01440	
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0145U Drug assay, definitive, 65 or more drugs or metabolites, urine, quantitative liquid chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction monitoring (MRM), with drug or metabolite description, comments including sample		
chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction monitoring (MRM), with drug or metabolite description, comments including sample	0145U	
monitoring (MRM), with drug or metabolite description, comments including sample		
		validation, per date of service
0146U Drug assay, definitive, 80 or more drugs or metabolites, urine, by quantitative liquid	0146U	
chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction		
monitoring (MRM), with drug or metabolite description, comments including sample		
validation, per date of service		

0147U	Drug assay, definitive, 85 or more drugs or metabolites, urine, quantitative liquid
	chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction
	monitoring (MRM), with drug or metabolite description, comments including sample
	validation, per date of service
0148U	Drug assay, definitive, 100 or more drugs or metabolites, urine, quantitative liquid
	chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction
	monitoring (MRM), with drug or metabolite description, comments including sample
	validation, per date of service
0149U	Drug assay, definitive, 60 or more drugs or metabolites, urine, quantitative liquid
	chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction
	monitoring (MRM), with drug or metabolite description, comments including sample
	validation, per date of service
0150U	Drug assay, definitive, 120 or more drugs or metabolites, urine, quantitative liquid
	chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction
	monitoring (MRM), with drug or metabolite description, comments including sample
	validation, per date of service
0151U	Infectious disease (bacterial or viral respiratory tract infection), pathogen specific
	nucleic acid (DNA or RNA), 33 targets, real-time semi-quantitative PCR,
	bronchoalveolar lavage, sputum, or endotracheal aspirate, detection of 33 organismal
	and antibiotic resistance genes with limited semi-quantitative results
0152U	Infectious disease (bacteria, fungi, parasites, and DNA viruses), DNA, PCR and next-
	generation sequencing, plasma, detection of >1,000 potential microbial organisms for
0.1.5.47.7	significant positive pathogens
0154U	FGFR3 (fibroblast growth factor receptor 3) gene analysis (ie, p.R248C [c.742C>T],
	p.S249C [c.746C>G], p.G370C [c.1108G>T], p.Y373C [c.1118A>G], FGFR3-
0.1.5.5.1	TACC3v1, and FGFR3-TACC3v3)
0155U	PIK3CA (phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha) (eg,
	breast cancer) gene analysis (ie, p.C420R, p.E542K, p.E545A, p.E545D [g.1635G>T
0.5.(0)	only], p.E545G, p.E545K, p.Q546E, p.Q546R, p.H1047L, p.H1047R, p.H1047Y)
0563T	Evacuation of meibomian glands, using heat delivered through wearable, open-eye
05647	eyelid treatment devices and manual gland expression, bilateral
0564T	Oncology, chemotherapeutic drug cytotoxicity assay of cancer stem cells (CSCs), from
	cultured CSCs and primary tumor cells, categorical drug response reported based on
05(57	percent of cytotoxicity observed, a minimum of 14 drugs or drug combinations
0565T	Autologous cellular implant derived from adipose tissue for the treatment of
05((T	osteoarthritis of the knees; tissue harvesting and cellular implant creation
0566T	Autologous cellular implant derived from adipose tissue for the treatment of
	osteoarthritis of the knees; injection of cellular implant into knee joint including
0567T	ultrasound guidance, unilateral
0567T	Permanent fallopian tube occlusion with degradable biopolymer implant, transcervical
	approach, including transvaginal ultrasound

0568T	Introduction of mixture of saline and air for sonosalpingography to confirm occlusion
	of fallopian tubes, transcervical approach, including transvaginal ultrasound and pelvic
	ultrasound
0569T	Transcatheter tricuspid valve repair, percutaneous approach; initial prosthesis
0570T	Transcatheter tricuspid valve repair, percutaneous approach; each additional prosthesis
	during same session (List separately in addition to code for primary procedure)
0571T	Insertion or replacement of implantable cardioverter-defibrillator system with
	substernal electrode(s), including all imaging guidance and electrophysiological
	evaluation (includes defibrillation threshold evaluation, induction of arrhythmia,
	evaluation of sensing for arrhythmia termination, and programming or reprogramming
	of sensing or therapeutic parameters), when performed
0572T	Insertion of substernal implantable defibrillator electrode
0573T	Removal of substernal implantable defibrillator electrode
0574T	Repositioning of previously implanted substernal implantable defibrillator-pacing
	electrode
0575T	Programming device evaluation (in person) of implantable cardioverter-defibrillator
	system with substernal electrode, 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 by a physician or other qualified health care professional
0576T	Interrogation device evaluation (in person) of implantable cardioverter-defibrillator
	system with substernal electrode, with analysis, review and report by a physician or
	other qualified health care professional, includes connection, recording and
	disconnection per patient encounter
0577T	Electrophysiological evaluation of implantable cardioverter-defibrillator system with
	substernal electrode (includes defibrillation threshold evaluation, induction of
	arrhythmia, evaluation of sensing for arrhythmia termination, and programming or
	reprogramming of sensing or therapeutic parameters)
0578T	Interrogation device evaluation(s) (remote), up to 90 days, substernal lead implantable
	cardioverter-defibrillator system with interim analysis, review(s) and report(s) by a
0.5505	physician or other qualified health care professional
0579T	Interrogation device evaluation(s) (remote), up to 90 days, substernal lead implantable
	cardioverter-defibrillator system, remote data acquisition(s), receipt of transmissions
0500T	and technician review, technical support and distribution of results
0580T	Removal of substernal implantable defibrillator pulse generator only
0581T	Ablation, malignant breast tumor(s), percutaneous, cryotherapy, including imaging
0592T	guidance when performed, unilateral
0582T	Transurethral ablation of malignant prostate tissue by high-energy water vapor
0592T	thermotherapy, including intraoperative imaging and needle guidance
0583T	Tympanostomy (requiring insertion of ventilating tube), using an automated tube
0594T	delivery system, iontophoresis local anesthesia
0584T	Islet cell transplant, includes portal vein catheterization and infusion, including all
	imaging, including guidance, and radiological supervision and interpretation, when
	performed; percutaneous

0585T	Islet cell transplant, includes portal vein catheterization and infusion, including all
	imaging, including guidance, and radiological supervision and interpretation, when
	performed; laparoscopic
0586T	Islet cell transplant, includes portal vein catheterization and infusion, including all
	imaging, including guidance, and radiological supervision and interpretation, when
	performed; open
0587T	Percutaneous implantation or replacement of integrated single device neurostimulation
	system including electrode array and receiver or pulse generator, including analysis,
	programming, and imaging guidance when performed, posterior tibial nerve
0588T	Revision or removal of integrated single device neurostimulation system including
	electrode array and receiver or pulse generator, including analysis, programming, and
	imaging guidance when performed, posterior tibial nerve
0589T	Electronic analysis with simple programming of implanted integrated neurostimulation
	system (eg, electrode array and receiver), including contact group(s), amplitude, pulse
	width, frequency (Hz), on/off cycling, burst, dose lockout, patient-selectable
	parameters, responsive neurostimulation, detection algorithms, closed-loop parameters,
	and passive parameters, when performed by physician or other qualified health care
	professional, posterior tibial nerve, 1-3 parameters
0590T	Electronic analysis with complex programming of implanted integrated
	neurostimulation system (eg, electrode array and receiver), including contact group(s),
	amplitude, pulse width, frequency (Hz), on/off cycling, burst, dose lockout, patient-
	selectable parameters, responsive neurostimulation, detection algorithms, closed-loop
	parameters, and passive parameters, when performed by physician or other qualified
	health care professional, posterior tibial nerve, 4 or more parameters
0591T	Health and well-being coaching face-to-face; individual, initial assessment
0592T	Health and well-being coaching face-to-face; individual, follow-up session, at least 30
	minutes
0593T	Health and well-being coaching face-to-face; group (2 or more individuals), at least 30
	minutes

The following CPT codes are not covered per benefit:

Code	Description
	Biofeedback training, perineal muscles, anorectal or urethral sphincter, including EMG
	and/or manometry, when performed; Initial 15 minutes of one-on-one physician or
90912	other qualified health care professional contact with the patient
	Biofeedback training, perineal muscles, anorectal or urethral sphincter, including EMG
	and/or manometry, when performed; each additional 15 minutes of one-on-one
	physician or other qualified health care professional contact with the patient (List
90913	separately in addition to code for primary procedure)

The following CPT codes are covered but not reimbursed:

Code	Description
98970	Qualified nonphysician health care professional online digital evaluation and
	management service, for an established patient, for up to 7 days, cumulative time
	during the 7 days; 5-10 minutes
98971	Qualified nonphysician health care professional online digital evaluation and
	management service, for an established patient, for up to 7 days, cumulative time during the 7 days; 11-20 minutes
98972	Qualified nonphysician health care professional online digital evaluation and
	management service, for an established patient, for up to 7 days, cumulative time during the 7 days; 21 or more minutes
99421	Online digital evaluation and management service, for an established patient, for up to
	7 days, cumulative time during the 7 days; 5-10 minutes
99422	Online digital evaluation and management service, for an established patient, for up to
	7 days, cumulative time during the 7 days; 11-20 minutes
99423	Online digital evaluation and management service, for an established patient, for up to
	7 days, cumulative time during the 7 days; 21 or more minutes
99473	Self-measured blood pressure using a device validated for clinical accuracy; patient
	education/training and device calibration
99474	Self-measured blood pressure using a device validated for clinical accuracy; separate
	self-measurements of two readings one minute apart, twice daily over a 30-day period
	(minimum of 12 readings), collection of data reported by the patient and/or caregiver to
	the physician or other qualified health care professional, with report of average systolic
	and diastolic pressures and subsequent communication of a treatment plan to the patient

The following CPT codes are covered when prior authorized:

Code	Description
	Grafting of autologous fat harvested by liposuction technique to trunk, breasts, scalp,
15771	arms, and/or legs; 50 cc or less injectate
	Grafting of autologous fat harvested by liposuction technique to trunk, breasts, scalp,
	arms, and/or legs; each additional 50 cc injectate, or part thereof (List separately in
15772	addition to code for primary procedure)
	Grafting of autologous fat harvested by liposuction technique to face, eyelids, mouth,
15773	neck, ears, orbits, genitalia, hands, and/or feet; 25 cc or less injectate
	Grafting of autologous fat harvested by liposuction technique to face, eyelids, mouth,
	neck, ears, orbits, genitalia, hands, and/or feet; each additional 25 cc injectate, or part
15774	thereof (List separately in addition to code for primary procedure)
	Injection(s), anesthetic agent(s) and/or steroid; nerves innervating the sacroiliac joint,
64451	with image guidance (ie, fluoroscopy or computed tomography)
	Myocardial imaging, positron emission tomography (PET), metabolic evaluation study
	(including ventricular wall motion[s] and/or ejection fraction[s], when performed),
78429	single study; with concurrently acquired computed tomography transmission scan

<ul> <li>ventricular wall motion[s] and/or ejection fraction[s], when performed); single study, at rest or stress (exercise or pharmacologic), with concurrently acquired computed</li> <li>Myocardial imaging, positron emission tomography (PET), perfusion study (including ventricular wall motion[s] and/or ejection fraction[s], when performed); multiple</li> <li>studies at rest and stress (exercise or pharmacologic), with concurrently acquired</li> <li>computed tomography transmission scan</li> <li>Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection</li> <li>fraction[s], when performed), dual radiotracer (eg. myocardial viability);</li> <li>Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg. myocardial viability);</li> <li>Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg. myocardial viability); with</li> <li>concurrently acquired computed tomography transmission scan</li> <li>Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code</li> <li>for primary procedure)</li> <li>Cytogenomic neoplasia (genome-wide) microarray analysis, interrogation of genomic regions for copy number and loss-of-heterozygosity variants for chromosomal</li> <li>analysis; full gene sequence</li> <li>PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene</li> <li>analysis; full gene sequence</li> <li>PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene</li> <li>analysis; known familial variant</li></ul>		Myocardial imaging, positron emission tomography (PET), perfusion study (including
rest or stress (exercise or pharmacologic), with concurrently acquired computed         78430       tomography transmission scan         Myocardial imaging, positron emission tomography (PET), perfusion study (including ventricular wall motion[s] and/or ejection fraction[s], when performed); multiple studies at rest and stress (exercise or pharmacologic), with concurrently acquired         78431       computed tomography transmission scan         Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection         78432       fraction[s], when performed), dual radiotracer (eg, myocardial viability);         Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability); with         78433       concurrently acquired computed tomography transmission scan         Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)         Cytogenomic neoplasia (genome-wide) microarray analysis, interrogation of genomic regions for copy number and loss-of-heterozygosity variants for chromosomal         81207       abnormalities         PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; known familial variant         Oncology (breast), mRNA, gene expression profiling by RT-PCR of 12 genes (8 content and 4 housekeeping),		
Myocardial imaging, positron emission tomography (PET), perfusion study (including ventricular wall motion[s] and/or cjection fraction[s], when performed); multiple studies at rest and stress (exercise or pharmacologic), with concurrently acquired           78431         computed tomography transmission scan           Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or cjection fraction[s], when performed), dual radiotracer (eg, myocardial viability);           Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or cjection fraction[s], when performed), dual radiotracer (eg, myocardial viability); with concurrently acquired computed tomography transmission scan           Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)           Cytogenomic neoplasia (genome-wide) microarray analysis, interrogation of genomic regions for copy number and loss-of-heterozygosity variants for chromosomal analysis; full gene sequence           PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence           PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; known familial variant           Oncology (breast), mRNA, gene expression profiling by RT-PCR of 12 genes (8 content and 4 housekceping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as metastasis risk score           Oncology (prostate), mRNA, gene expression profiling by real-tim		
<ul> <li>ventricular wall motion[s] and/or ejection fraction[s], when performed); multiple studies at rest and stress (exercise or pharmacologic), with concurrently acquired computed tomography transmission scan</li> <li>Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability);</li> <li>Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability); with concurrently acquired computed tomography transmission scan</li> <li>Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)</li> <li>Cytogenomic neoplasia (genome-wide) microarray analysis, interrogation of genomic regions for copy number and loss-of-heterozygosity variants for chromosomal abnormalities</li> <li>PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence</li> <li>PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence</li> <li>PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence</li> <li>Doncology (preast), mRNA, gene expression profiling by RT-PCR of 12 genes (8 content and 4 housekeeping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as metastasis risk score</li> <li>Oncology (uveal melanoma), mRNA, gene expression profiling by real-time RT-PCR of 15 genes (12 content and 3 housekeeping), utilizing fine needle aspirate or formalin-fixed paraffin-embedded tissue, algorithm reported as a triple negative breast cancer clinical subtype(s) with information on immu</li></ul>	78430	tomography transmission scan
<ul> <li>ventricular wall motion[s] and/or ejection fraction[s], when performed); multiple studies at rest and stress (exercise or pharmacologic), with concurrently acquired computed tomography transmission scan</li> <li>Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability);</li> <li>Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability); with concurrently acquired computed tomography transmission scan</li> <li>Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)</li> <li>Cytogenomic neoplasia (genome-wide) microarray analysis, interrogation of genomic regions for copy number and loss-of-heterozygosity variants for chromosomal abnormalities</li> <li>PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence</li> <li>PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence</li> <li>PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence</li> <li>Doncology (preast), mRNA, gene expression profiling by RT-PCR of 12 genes (8 content and 4 housekeeping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as metastasis risk score</li> <li>Oncology (uveal melanoma), mRNA, gene expression profiling by real-time RT-PCR of 15 genes (12 content and 3 housekeeping), utilizing fine needle aspirate or formalin-fixed paraffin-embedded tissue, algorithm reported as a triple negative breast cancer clinical subtype(s) with information on immu</li></ul>		Myocardial imaging, positron emission tomography (PET), perfusion study (including
78431       computed tomography transmission scan         Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability);         Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability); with concurrently acquired computed tomography transmission scan         Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)         Cytogenomic neoplasia (genome-wide) microarray analysis, interrogation of genomic regions for copy number and loss-of-heterozygosity variants for chromosomal abnormalities         PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence         PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; stown familial variant         Oncology (breast), mRNA, gene expression profiling by RT-PCR of 12 genes (8 content and 4 housekceping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as recurrence risk score         Oncology (uvcal melanoma), mRNA, gene expression profiling by real-time RT-PCR of 15 genes (12 content and 3 housekeeping), utilizing fine needle aspirate or formalin-fixed paraffin-embedded tissue, algorithm reported as a triple negative breast cancer clinical subtype(s) with information on immune cell involvement         0153U       i		
Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability);           Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability); with concurrently acquired computed tomography transmission scan           Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)           Cytogenomic neoplasia (genome-wide) microarray analysis, interrogation of genomic regions for copy number and loss-of-heterozygosity variants for chromosomal abnormalities           PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence           PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; known familial variant           Oncology (breast), mRNA, gene expression profiling by RT-PCR of 12 genes (8 content and 4 housekceping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as recurrence risk score           Oncology (uveal melanoma), mRNA, gene expression profiling by real-time RT-PCR of 15 genes (12 content and 3 housekceping), utilizing fine needle aspirate or formalin- fixed paraffin-embedded tissue, algorithm reported as metastasis risk score           Oncology (uveal melanoma), mRNA, gene expression profiling by real-time RT-PCR of 15 genes (12 content and 3 housekceping), utilizing fine needle aspirate or formalin- fixed paraff		studies at rest and stress (exercise or pharmacologic), with concurrently acquired
metabolic evaluation study (including ventricular wall motion[s] and/or ejection           78432         fraction[s], when performed), dual radiotracer (eg, myocardial viability);           Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability); with concurrently acquired computed tomography transmission scan           Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)           Cytogenomic neoplasia (genome-wide) microarray analysis, interrogation of genomic regions for copy number and loss-of-heterozygosity variants for chromosomal abnormalities           PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence           PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; known familial variant           Oncology (breast), mRNA, gene expression profiling by RT-PCR of 12 genes (8 content and 4 housekeeping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as recurrence risk score           Oncology (prostate), mRNA, microarray gene expression profiling by real-time RT-PCR of 15 genes (12 content and 3 housekeeping), utilizing fine needle aspirate or formalin-fixed paraffin-embedded tissue, algorithm reported as risk of metastasis           Steve         Oncology (uveal melanoma), mRNA, gene expression profiling by real-time RT-PCR of 15 genes (12 content and 3 housekeeping), utilizing fine needle aspirate or formalin-fixed para	78431	
78432       fraction[s], when performed), dual radiotracer (eg, myocardial viability);         Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability); with concurrently acquired computed tomography transmission scan         Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)         Cytogenomic neoplasia (genome-wide) microarray analysis, interrogation of genomic regions for copy number and loss-of-heterozygosity variants for chromosomal abnormalities         PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; full gene sequence         PALB2 (partner and localizer of BRCA2) (eg, breast and pancreatic cancer) gene analysis; known familial variant         Oncology (breast), mRNA, gene expression profiling by RT-PCR of 12 genes (8 content and 4 housekeeping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as recurrence risk score         Oncology (uprostate), mRNA, gene expression profiling by real-time RT-PCR of 15 genes (12 content and 3 housekeeping), utilizing fine needle aspirate or formalin-fixed paraffin-embedded tissue, algorithm reported as a triple negative breast cancer clinical subtype(s) with information on immune cell involvement         0153U       involvement         0154U       concellogy (breast), mRNA, gene expression profiling by next-generation sequencing of 10 genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as a t		
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[FAP]) mRNA sequence analysis (List separately in addition to code for primary		
0157U procedure)	0157U	procedure)

	MLH1 (mutL homolog 1) (eg, hereditary non-polyposis colorectal cancer, Lynch
	syndrome) mRNA sequence analysis (List separately in addition to code for primary
0158U	procedure)
	MSH2 (mutS homolog 2) (eg, hereditary colon cancer, Lynch syndrome) mRNA
0159U	sequence analysis (List separately in addition to code for primary procedure)
	MSH6 (mutS homolog 6) (eg, hereditary colon cancer, Lynch syndrome) mRNA
0160U	sequence analysis (List separately in addition to code for primary procedure)
	PMS2 (PMS1 homolog 2, mismatch repair system component) (eg, hereditary non-
	polyposis colorectal cancer, Lynch syndrome) mRNA sequence analysis (List
0161U	separately in addition to code for primary procedure)
	Hereditary colon cancer (Lynch syndrome), targeted mRNA sequence analysis panel
	(MLH1, MSH2, MSH6, PMS2) (List separately in addition to code for primary
0162U	procedure)