



BlueCross BlueShield
of Vermont

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Investigational Services and Procedures Corporate Medical Policy

File Name: Investigational Services and Procedures
File Code: 10.01.VT204
Origination: 09/2016
Last Review: 04/01/2021
Next Review: 7/01/2021
Effective Date: 05/01/2021

Description

The following outline current services and procedures considered to be investigational by Blue Cross Blue Shield of Vermont. **If the following code is billed with the noted diagnosis codes, the service will deny as investigational.**

Definition of Investigational

“Experimental of Investigational Services” means health care items or services that are either not generally accepted by informed health care providers in the United States as effective in treating the condition, illness or diagnosis for which their use is proposed, or are not proven by medical or scientific evidence to be effective in treating the condition, illness or diagnosis for which their use is proposed.

Technologies are assessed using the following criteria. Any technology that fails to meet ALL of the following criteria is considered to be “Investigational”:

1. The technology must have final approval from the appropriate governmental regulatory bodies.
 - This criterion applies to drugs, biological products, devices and any other product or procedure that must have final approval to market from the U.S. Food and Drug Administration or any other federal governmental body with authority to regulate the use of the technology.
 - Any approval that is granted as an interim step in the U.S. Food and Drug Administration’s or any other federal governmental body’s regulatory process is not sufficient.
 - The indications for which the technology is approved need not be the same as those which the Blue Cross and Blue Shield of Vermont (BCBSVT) Medical Policy Committee is evaluating.

2. The scientific evidence must permit conclusions concerning the effect of the technology on health outcomes.
 - The evidence should consist of well-designed and well-conducted investigations published in peer-reviewed journals. The quality of the body of studies and the consistency of the results are considered in evaluating the evidence.
 - The evidence should demonstrate that the technology can measure or alter the physiological changes related to a disease, injury, illness, or condition. In addition, there should be evidence or a convincing argument based on established medical facts that such measurement or alteration affects health outcomes.
3. The technology must improve the net health outcome.
 - The technology's beneficial effects on health outcomes should outweigh any harmful effects on health outcomes.
4. The technology must be as beneficial as any established alternatives.
 - The technology should improve the net health outcome as much as, or more than, established alternatives.
5. The improvement must be attainable outside the investigational settings.
 - When used under the usual conditions of medical practice, the technology should be reasonably expected to satisfy Criteria #3 and #4.

In reviewing the above criteria, the BCBSVT Medical Policy Committee will consider physician specialty society recommendations, the view of prudent medical practitioners practicing in relevant clinical areas and any other relevant factors.

Policy

The following is a list of current services and procedures grouped by discipline and/or function which are considered investigational and therefore not covered Attachment I

Policy Implementation/Update information

06/2020	Policy new Format
10/2020	<p>Coding Updates effective 10/01/2020 Medical Policy: Added codes: 0097U, 0107U, 82239, 82272, 82274, 82542, 82656, 82710, 82715, 82725, 83520, 83630, 83986, 83993, 84311, 87045, 87046, 87075, 87102, 87177, 87209, 87328, 87329, 87336, 89160, 89161, 89240 ARE CONSIDERED INVESTIGATIONAL WITH THE FOLLOWING DIAGNOSES CODES: A04.8, A04.9, K58.0, K58.1, K58.2, K58.8, K58.9, K59.8, K63.9, K90.89.</p> <p>Coding Updates effective 10/01/2020 via Adaptive Maintenance Cycle: Added codes: 0016M, 0203U, 0204U, 0205U, 0206U, 0207U, 0208U, 0209U, 0211U, 0216U, 0217U, 0218U, 0219U, 0220U, 0225U, K1006, K1007, K1010, K1011, K1012, Q4249, Q4250, Q4254, Q4255.</p>

01/2021	Coding Updates effective 01/01/2021 Adaptive Maintenance Cycle: Changed effective date to 01/01/2021 Removed Codes 38230, 83993, 90694 Updated Codes 82172 & 84181 to Investigational for All diagnoses Updated Codes 64910, 64911, 64912, 64913 as Investigational with dx codes C61, N52.0-N52.9 Added codes 0227U, 0228U, 0229U, 0620T, 0621T, 0622T, 0623T, 0624T, 0625T, 0626T, 0627T, 0628T, 0629T, 0630T, 0631T, 0632T, 0633T, 0634T, 0635T, 0636T, 0637T, 0638T, 0639T, 22869, 22870, 30468, 55880, 57465, 81514, 92229, C1825, C9771, C9772, C9773, C9774, C9775 Deleted codes 0400T, 0401T Removed codes 38206, 38230, 38241 codes require PA
04/2021	Coding Updates effective 04/01/2021 Adaptive Maintenance Cycle: Added codes: C9776, C9777, J3490, K1016, K1017, K1018, K1019, K1020, S1091, 0242U, 0243U, 0244U, 0247U. Removed codes: K1010, K1011, K1012, 64451, 78803, 78830, 78831, 78832, 78835
05/2021	Coding Update effective 05/01/2021: Added codes 81518, 0045U, 0153U.

Eligible Providers

Qualified healthcare professionals practicing within the scope of their license(s).

Approved by BCBSVT Medical Directors

Date Approved

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 Chief Medical Officer

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Attachment I

CPT®/HCPCS Code	CPT®/HCPCS Code Description	Investigational Diagnoses
A4563	Rectal Control System for Vaginal Insertion, For Long Term Use, Includes Pump And All Supplies And Accessories, Any Type Each	All
A4575	Topical Hyperbaric Oxygen Chamber, Disposable	All
A4641	Radiopharmaceuti-Cal, Diagnostic, Not Otherwise Classified	R92.0-R92.8 Z12.31-Z12.39

A4642	Indium In-111 Satumomab Pendetide, Diagnostic, Per Study Dose, Up To 6 Millicuries	R92.0-R92.8 Z12.31-Z12.39
A4648	Tissue Marker, Implantable, Any Type, Each	C34.00- C34.92 C85.28 R59.0 R59.1 R91.8
A9500	Technetium Tc-99M Sestamibi, Diagnostic, Per Study Dose	R92.0-R92.8 Z12.31-Z12.39
A9502	Technetium Tc-99M Tetrofosmin, Diagnostic, Per Study Dose	R92.0-R92.8 Z12.31-Z12.39
A9507	Indium In-111 Capromab Pendetide, Diagnostic, Per Study Dose, Up To 10 Millicuries	All
A9520	Technetium Tc-99M Tilmanocept, Diagnostic, Up To 0.5 Millicuries	R92.0-R92.8 Z12.31-Z12.39
A9541	Technetium Tc-99M Sulfur Colloid, Diagnostic, Per Study Dose, Up To 20 Millicuries	R92.0-R92.8 Z12.31-Z12.39
A9568	Technetium Tc-99M Arcitumomab, Diagnostic, Per Study Dose, Up To 45 Millicurie	R92.0-R92.8 Z12.31-Z12.39
A9572	Indium In-111 Pentetereotide, Diagnostic, Per Study Dose, Up To 6 Millicuries	R92.0-R92.8 Z12.31-Z12.39
A9582	Iodine I-123 iobenguane, diagnostic, per study dose, up to 15 mCi	I50.1-I50.9
A9584	Iodine I-123 Ioflupane, Diagnostic, Per Study Dose, Up To 5 Millicuries	G20 G21.0-G21.9 G31.83
A9586	Florbetapir F18, Diagnostic, Per Study Dose, Up To 10 Millicuries	All
A9599	Radiopharmaceutical, Diagnostic, For Beta- Amyloid Positron Emission Tomography (Pet) Imaging, Per Study Dose, Not Otherwise Specified	All
C1734	Orthopedic/Device/Drug Matrix For Opposing Bone-To-Bone Or Soft Tissue-To Bone (Implantable)	All
C1821	Interspinous Process Distraction Device (Implantable).	All
C1823	Generator, Neurostimulator (Implantable), Non- Rechargeable, With Transvenous Sensing And Stimulation Leads	All
C1841	Retinal Prosthesis, Includes All Internal And External Components	All
C2596	Probe, Image-Guided, Robotic, Waterjet Ablation	All

C2614	Probe, Percutaneous Lumbar Discectomy	All
C8937	Computer-Aided Detection, Including Computer Algorithm Analysis Of Breast Mri Image Data For Lesion Detection/Characterization, Pharmacokinetic Analysis, With Further Physician Review For Interpretation (List Separately In Addition To Code For Primary Procedure)	All
C9122	Mometasone furoate sinus implant, 10 mcg (Sinuva)	All
C9750	Insertion Or Removal And Replacement Of Intracardiac Ischemia Monitoring System Including Imaging, Supervision And Interpretation, And Peri-Operative Interrogation And Programming; Complete System (Includes Device And Electrode)	All
C9751	Bronchoscopy, Rigid Or Flexible, Transbronchial Ablation Of Lesion(S) By Microwave Energy, Including Fluoroscopic Guidance, When Performed, With Computed Tomography Acquisition(S) And 3-D Rendering, Computer- Assisted, Image-Guided Navigation, And Endobronchial Ultrasound (Ebus) Guided Transtracheal And/Or Transbronchial Sampling (E.G., Aspiration[S]/Biopsy[ies]) And All Mediastinal And/Or Hilar Lymph Node Stations Or Structures And Therapeutic Intervention(S)	All
C9752	Destruction Of Intraosseous Basivertebral Nerve, First Two Vertebral Bodies, Including Imaging Guidance (E.G., Fluoroscopy), Lumbar/Sacrum	All
C9753	Destruction Of Intraosseous Basivertebral Nerve, Each Additional Vertebral Body, Including Imaging Guidance (E.G., Fluoroscopy), Lumbar/Sacrum (List Separately In Addition To Code For Primary Procedure)	All

C9758	Blinded Procedure for Nyha Class Iii/Iv Heart Failure; Transcatheter Implantation Of Interatrial Shunt Or Placebo Control, Including Right Heart Catheterization, Trans-Esophageal Echocardiography (Tee)/Intracardiac Echocardiography (Ice), And All Imaging With Or Without Guidance (E.G., Ultrasound, Fluoroscopy), Performed In An Approved Investigational Device Exemption (Ide) Study	All
C9759	Transcatheter intraoperative blood vessel microinfusion(s) (e.g., intraluminal, vascular wall and/or perivascular) therapy, any vessel, including radiological supervision and interpretation, when performed	All
C9760	Nonrandomized, nonblinded procedure for NYHA Class II, III, IV heart failure; transcatheter implantation of interatrial shunt or placebo control, including right and left heart catheterization, transeptal puncture, transesophageal echocardiography (TEE)/intracardiac echocardiography (ICE), and all imaging with or without guidance (e.g., ultrasound, fluoroscopy), performed in an approved investigational device exemption (IDE) study	All
C9762	Cardiac magnetic resonance imaging for morphology and function, quantification of segmental dysfunction; with strain imaging	All
C9763	Cardiac magnetic resonance imaging for morphology and function, quantification of segmental dysfunction; with stress imaging	All

C9764	Revascularization, endovascular, open or percutaneous, any vessel(s); with intravascular lithotripsy, includes angioplasty within the same vessel(s), when performed	All
C9765	Revascularization, endovascular, open or percutaneous, any vessel(s); with intravascular lithotripsy, and transluminal stent placement(s), includes angioplasty within the same vessel(s), when performed	All
C9766	Revascularization, endovascular, open or percutaneous, any vessel(s); with intravascular lithotripsy and atherectomy, includes angioplasty within the same vessel(s), when performed	All
C9767	Revascularization, endovascular, open or percutaneous, any vessel(s); with intravascular lithotripsy and transluminal stent placement(s), and atherectomy, includes angioplasty within the same vessel(s), when performed	All
C9771	Nasal/sinus endoscopy, cryoablation nasal tissue(s) and/or nerve(s), unilateral or bilateral	All
C9772	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery(ies), with intravascular lithotripsy, includes angioplasty within the same vessel (s), when performed	All
C9773	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery(ies); with intravascular lithotripsy, and transluminal stent placement(s), includes angioplasty within the same vessel(s), when performed	All

C9774	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery(ies); with intravascular lithotripsy and atherectomy, includes angioplasty within the same vessel (s), when performed	All
C9775	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery(ies); with intravascular lithotripsy and transluminal stent placement(s), and atherectomy, includes angioplasty within the same vessel (s), when performed	All
C9776	Intraoperative near-infrared fluorescence imaging of major extra-hepatic bile duct(s) (e.g., cystic duct, common bile duct and common hepatic duct) with intravenous administration of indocyanine green (icg) (list separately in addition to code for primary procedure)	All
C9777	Esophageal mucosal integrity testing by electrical impedance, transoral (list separately in addition to code for primary procedure)	All
E0218	Water Circulating Cold Pad With Pump	All
E0236	Pump For Water Circulating Pad	All
E0740	Incontinence Treatment System; Pelvic Floor Stimulator, Monitor, Sensor And/Or Trainer	F98.0 F98.1 N39.3 N39.41-N39.498 R15.9
E0748	Osteogenesis Stimulator, Electrical, Non- Invasive, Spinal Applications	M43.22
E0749	Osteogenesis Stimulator, (Surgically Implanted)	M43.22
E0761	Non-Thermal Pulsed High Frequency Radiowaves, High Peak Power Electromagnetic Energy Treatment Device	E08.621 E08.622 E09.621 E09.622 E10.621 E10.622 E11.621 E11.622 E13.621 E13.622 I83.001-I83.029 I83.201-I83.229 L00-L08.9 L89.00- L89.95 L97.10-L97.929 L98.41- L98.499 L99

E0769	Electrical Stimulation Or Electromagnetic Wound Treatment Device, Not Otherwise	E08.621 E08.622 E09.621 E09.622 E10.621 E10.622 E11.621 E11.622 E13.621 E13.622 I83.001-I83.029 I83.201- I83.229 L00-L08.9 L89.00-L89.95 L97.10-L97.929 L98.41-L98.499 L99
G0166	External Counterpulsation, Per Treatment Session	Z13.6 Z82.41 Z82.49
G0255	Current Perception Threshold/Sensory Nerve Conduction Test (Snct), per limb, any nerve	All
G0259	Injection Procedure for Sacroiliac Joint; Arthrography	M46.1 M47.898 M47.899 M48.08 M53.2X8 M53.3 M54.18 M54.30-M54.32 M54.40-M54.42 M54.5 M54.6 S33.2XXX S33.6XXX
G0276	Blinded Procedure For Lumbar Stenosis, Percutaneous Image-Guided Lumbar Decompression (Pild) Or Placebo-Control, Performed In An Approved Coverage With Evidence Development (Ced) Clinical Trial	All
G0281	Electrical Stimulation, (Unattended), To One Or More Areas, For Chronic Stage Iii And Stage Iv Press Ure Ulcers, Arterial Ulcers, Diabetic Ulcers, And Venous Stasis Ulcers Not Demonstrating Measurable	E08.621 E08.622 E09.621 E09.622 E10.621 E10.622 E11.621 E11.622 E13.621 E13.622 I83.001-I83.029 I83.201- I83.229 L00-L08.9 L89.00-L89.95 L97.10-L97.929 L98.41-L98.499 L99
G0282	Electrical Stimulation, (Unattended), To One Or More Areas, For Wound Care Other Than Described In G0 281	E08.621 E08.622 E09.621 E09.622 E10.621 E10.622 E11.621 E11.622 E13.621 E13.622 I83.001-I83.029 I83.201-I83.229 L00-L08.9 L89.00- L89.95 L97.10-L97.929 L98.41- L98.499 L99
G0295	Electromagnetic Therapy, To One Or More Areas, For Wound Care Other Than Described In G0329 Or For Other Uses	E08.621 E08.622 E09.621 E09.622 E10.621 E10.622 E11.621 E11.622 E13.621 E13.622 I83.001-I83.029 I83.201- I83.229 L00-L08.9 L89.00-L89.95 L97.10-L97.929 L98.41-L98.499 L99

G0329	Electromagnetic Therapy, To One Or More Areas For Chronic Stage Iii And Stage	E08.621 E08.622 E09.621 E09.622 E10.621 E10.622 E11.621 E11.622 E13.621 E13.622 I83.001-I83.029 I83.201-I83.229 L00-L08.9 L89.00-L89.95 L97.10-L97.929 L98.41-L98.499 L99
G2000	Blinded Administration Of Convulsive Therapy Procedure, Either Electroconvulsive Therapy (Ect, Current Covered Gold Standard) Or Magnetic Seizure Therapy (Mst, Non-Covered Experimental Therapy), Performed In An Approved Ide-Based Clinical Trial, Per Treatment Session	All
G2170	Percutaneous arteriovenous fistula creation (AVF), direct, any site, by tissue approximation using thermal resistance energy, and secondary procedures to redirect blood flow (e.g., transluminal balloon angioplasty, coil embolization) when performed, and includes all imaging and radiologic guidance, supervision and interpretation, when performed	All
G2171	Percutaneous arteriovenous fistula creation (AVF), direct, any site, using magnetic-guided arterial and venous catheters and radiofrequency energy, including flow- directing procedures (e.g., vascular coil embolization with radiologic supervision and interpretation, when performed) and fistulogram(s), angiography, veinography, and/or ultrasound, with radiologic supervision and interpretation, when performed	All
G9147	Outpatient Intravenous Insulin Treatment (Oivit) Either Pulsatile Or Continuous, By Any Means, Guided By The Results Of Measurements For: Respiratory Quotient; And/Or, Urine Urea Nitrogen (Uun).	E08.8-E13.9

J3490	Unclassified drugs	Age 13 + years of age - Investigational if any of the one diagnosis codes is present on submitted claim: (F31.4, F31.5, F31.60, F31.61, F31.62, F31.63, F31.64, F31.70, F31.71, F31.72, F31.73, F31.74, F31.75, F31.76, F31.77, F31.78, F31.81, F31.89, F31.9, F32.0, F32.1, F32.3, F32.4, F32.5, F32.8, F32.9, F33.0, F33.1, F33.3, F33.40, F33.41, F33.42, F34.0, F34.1, F34.81, F34.89, F34.9, F39, G89.0, G89.11, G89.12, G89.18, G89.21, G89.22, G89.28, G89.29, G89.3, G89.4)
J9035	Injection, Bevacizumab, 10 Mg.	C25.0-C25.9
K1001	Electronic Positional Obstructive Sleep Apnea Treatment, With Sensor, Includes All Components And Accessories, Any Type	All
K1002	Cranial Electrotherapy Stimulation (Ces) System, Includes All Supplies And Accessories, Any Type	All
K1004	Low Frequency Ultrasonic Diathermy Treatment Device For Home Use, Includes All Components And Accessories	All
K1006	Suction pump, home model, portable or stationary, electric, any type, for use with external urine management system	All
K1007	Bilateral hip, knee, ankle, foot device, powered, includes pelvic component, single or double upright(s), knee joints any type, with or without ankle joints any type, includes all components and accessories, motors, microprocessors, sensors	All
K1016	Transcutaneous electrical nerve stimulator for electrical stimulation of the trigeminal nerve	All
K1017	Monthly supplies for use of device coded at k1016	All
K1018	External upper limb tremor stimulator of the peripheral nerves of the wrist	All

K1019	Monthly supplies for use of device coded at K1018	All
K1020	Non-invasive vagus nerve stimulator	All
L8603	Collagen Implant Material, Such As Contigen	N39.3 R15.0-R15.9
L8605	Injectable Bulking Agent, Dextranomer/Hyaluronic Acid Copolymer Implant, Anal Canal, 1 ML, Includes Shipping and Necessary Supplies	N39.3 R15.0-R15.9
L8606	Synthetic Bulking Agents, Such As Carbon-Coated Beads Or Copolymers (Durasphere Or Uryx).	N39.3 R15.0-R15.9
L8608	Miscellaneous External Component, Supply Or Accessory For Use With The Argus Ii Retinal Prosthesis System	All
L8680	Implantable Neurostimulator Electrode, Each	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
L8681	Patient programmer (external) for use with implantable programmable neurostimulator pulse generator, replacement only	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
L8682	Implantable neurostimulator radiofrequency receiver	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
L8683	Radiofrequency transmitter (external) for use with implantable neurostimulator radiofrequency receiver	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
L8684	Radiofrequency transmitter (external) for use with implantable sacral root neurostimulator receiver for bowel and bladder management, replacement	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
L8685	Implantable neurostimulator pulse generator, single array, rechargeable, includes extension	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
L8686	Implantable neurostimulator pulse generator, single array, nonrechargeable, includes extension	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9

L8687	Implantable neurostimulator pulse generator, dual array, rechargeable, includes extension	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
L8688	Implantable neurostimulator pulse generator, dual array, nonrechargeable, includes extension	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
L8689	External recharging system for battery (internal) for use with implantable neurostimulator, replacement only	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
Q4185	Cellesta Flowable Amnion (25 Mg Per Cc); Per 0.5 Cc	All
Q4189	Artacent Ac, 1 Mg	All
Q4192	Restorigin, 1 Cc	All
Q4249	Amnipliy, for topical use only, per square centimeter	All
Q4250	Amnioamp-mp, per square centimeter	All
Q4254	Novafix dl, per square centimeter	All
Q4255	Reguard, for topical use only, per square centimeter	All
Q9982	Flutemetamol F18, Diagnostic, Per Study Dose, Up To 5 Millicuries	All
Q9983	Florbetaben F18, Diagnostic, Per Study Dose, Up To 8.1 Millicuries	All
S1090	Mometasone Furoate Sinus Implant, 370 Micrograms	All
S1091	Stent, non-coronary, temporary, with delivery system (propel)	All
S2080	Laser-Assisted Uvulopalato-Plasty (Laup)	G47.09-G47.39
S2117	Arthroereisis, Subtalar	All
S2230	Implantation Of Magnetic Component Of Semi-Implantable Hearing Device On Ossicles In Middle Ear	All
S2348	Decompression Procedure, Percutaneous, Of Nucleus Pulposus Of Intervertebral Disc, Using Radiofrequency Energy, Single Or Multiple Levels, Lumbar.	All
S3722	Dose Optimization By Area-Under-The-Curve (Auc) Analysis For Infusional 5-Fluorouracil (5- Fu)	C18.0-C18.9 C19

S3852	Dna Analysis For Apoe Epsilon 4 Allele For Susceptibility To Alzheimer'S Disease	G03 G30.0-G30.9 G31.1 R41.0 R41.81 Z13.858 Z31.430 Z31.440 Z82.0
S8080	Scintimammography (Radioimmunosintigraphy Of The Breast), Unilateral, Including Supply Of Radiopharmaceuti-Cal	R92.0-R92.8 Z12.31-Z12.39
S8930	Electrical Stimulation Of Auricular Acupuncture Points; Each 15 Minutes Of Personal One-On- One Contact With The Patient.	All
S8960	Electrical Stimulation Of Auricular Acupuncture Points; Each 15 Minutes Of Personal One-On- One Contact With The Patient	All
S9090	Vertebral Axial Decompression, Per Session	All
V2799	Vision Item Or Service, Miscellaneous	All
V5095	Semi-Implantable Middle Ear Hearing Prosthesis	All
0003U	Oncology (Ovarian) Biochemica Assays Of Five Proteins (Apolipoprotein A-1 Ca 125 li, Follicle Stimulating Hormone, Human Epididymis Protein 4, Transferrin), Utilizing Serum, Algorithm Reported As A Likelihood Score.	D27.0-D27.9 D39.10-D39.12 D49.511 D49.512 D49.519 R19.01-R19.02
0004M	Scoliosis, DNA Analysis Of 53 Single Nucleotide Polymorphisms (Snps), Using Saliva, Prognostic Algorithm Reported As A Risk Score	All
0011M	Oncology, Prostate Cancer, mRNA Expression Assay Of 12 Genes (10 Content And 2 Housekeeping), Rt-Pcr Test Utilizing Blood Plasma And Urine, Algorithms To Predict High-Grade Prostate Cancer Risk	All

0014M	Liver disease, analysis of 3 biomarkers (hyaluronic acid [HA], procollagen III amino terminal peptide [PIIINP], tissue inhibitor of metalloproteinase 1 [TIMP-1]), using immunoassays, utilizing serum, prognostic algorithm reported as a risk score and risk of liver fibrosis and liver-related clinical events within 5 years	All
0016M	Oncology (bladder), mRNA, microarray gene expression profiling of 209 genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as molecular subtype (luminal, luminal infiltrated, basal, basal claudin-low, neuroendocrine-like)	All
0024U	Glycosylated acute phase proteins (GlycA), nuclear magnetic resonance spectroscopy, quantitative	All
0025U	Tenofovir, by liquid chromatography with tandem mass spectrometry (LC-MS/MS), urine, quantitative	All
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")	All
0029U	Drug metabolism (adverse drug reactions and drug response), targeted sequence analysis (ie, CYP1A2, CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, CYP4F2, SLCO1B1, VKORC1 and rs12777823)	All
0030U	Drug metabolism (warfarin drug response), targeted sequence analysis (ie, CYP2C9, CYP4F2, VKORC1, rs12777823)	All
0031U	CYP1A2 (cytochrome P450 family 1, subfamily A, member 2) (eg, drug metabolism) gene analysis, common variants (ie, *1F, *1K, *6, *7)	All

0032U	COMT (catechol-O-methyltransferase) (drug metabolism) gene analysis, c.472G>A (rs4680) variant	All
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])	All
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)	All
0035U	Neurology (Prion Disease), Cerebrospinal Fluid, Detection Of Prion Protein By Quaking-Induced Conformational Conversion, Qualitative	All
0037U	Targeted Genomic Sequence Analysis, Solid Organ Neoplasm, Dna Analysis Of 324 Genes, Interrogation For Sequence Variants, Gene Copy Number Amplifications, Gene Rearrangements, Microsatellite Instability And Tumor Mutational Burden	All
0038U	Vitamin D, 25 Hydroxy D2 And D3, By Lc-Ms/Ms, Serum Microsample, Quantitative	All
0039U	Deoxyribonucleic Acid (Dna) Antibody, Double Stranded, High Avidity	All
0041U	Borrelia Burgdorferi, Antibody Detection Of 5 Recombinant Protein Groups, By Immunoblot, Igm	All
0042U	Borrelia Burgdorferi, Antibody Detection Of 12 Recombinant Protein Groups, By Immunoblot, Igg	All

0043U	Tick-Borne Relapsing Fever Borrelia Group, Antibody Detection To 4 Recombinant Protein Groups, By Immunoblot, Igm	All
0044U	Tick-Borne Relapsing Fever Borrelia Group, Antibody Detection To 4 Recombinant Protein Groups, By Immunoblot, Igg	All
0045U	Oncology (breast ductal carcinoma in situ), 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 recurrence score	All
0047U	Oncology (Prostate), Mrna, Gene Expression Profiling By Real-Time Rt-Pcr Of 17 Genes (12 Content And 5 Housekeeping), Utilizing Formalin-Fixed Paraffin-Embedded Tissue, Algorithm Reported As A Risk Score	All
0048U	Oncology (Solid Organ Neoplasia), Dna, Targeted Sequencing Of Protein-Coding Exons Of 468 Cancer-Associated Genes, Including Interrogation For Somatic Mutations And Microsatellite Instability, Matched With Normal Specimens, Utilizing Formalin-Fixed Paraffin- Embedded Tumor Tissue, Report Of Clinically Significant Mutation(S)	All
0050U	Targeted Genomic Sequence Analysis Panel, Acute Myelogenous Leukemia, Dna Analysis, 194 Genes Interrogation For Sequence Variants, Copy Number Variants Or Rearrangements	All
0051U	Prescription Drug Monitoring, Evaluation Of Drugs Present By Lc-Ms/Ms, Urine, 31 Drug Panel, Reported As Quantitative Results, Detected Or Not Detected, Per Date Of Service	All

0052U	Prescription Drug Monitoring, Evaluation Of Drugs Present By Lc-Ms/Ms, Urine, 31 Drug Panel, Reported As Quantitative Results, Detected Or Not Detected, Per Date Of Service	All
0053U	Oncology (Prostate Cancer), Fish Analysis Of 4 Genes (Asap1, Hdac9, Chd1 And Pten), Needle Biopsy Specimen, Algorithm Reported As Probability Of Higher Tumor Grade	All
0054U	Prescription Drug Monitoring, 14 Or More Classes Of Drugs And Substances, Definitive Tandem Mass Spectrometry With Chromatography, Capillary Blood, Quantitative Report With Therapeutic And Toxic Ranges, Including Steady-State Range For The Prescribed Dose When Detected, Per Date Of Service	All
0055U	Cardiology (Heart Transplant), Cell-Free Dna, Pcr Assay Of 96 Dna Target Sequences (94 Single Nucleotide Polymorphism Targets And Two Control Targets), Plasma	All
0058U	Oncology (Merkel Cell Carcinoma), Detection Of Antibodies To The Merkel Cell Polyoma Virus Oncoprotein (Small T Antigen), Serum, Quantitative	All
0059U	Oncology (Merkel Cell Carcinoma), Detection Of Antibodies To The Merkel Cell Polyoma Virus Capsid Protein (Vp1), Serum, Reported As Positive Or Negative	All
0060U	Twin Zygosity, Genomic Targeted Sequence Analysis Of Chromosome 2, Using Circulating Cell-Free Fetal Dna In Maternal Blood	All

0061U	Transcutaneous Measurement Of Five Biomarkers (Tissue Oxygenation [Sto2], Oxyhemoglobin [Cthbo2], Deoxyhemoglobin [Cthbr], Papillary And Reticular Dermal Hemoglobin Concentrations [Cthb1 And Cthb2]), Using Spatial Frequency Domain Imaging (Sfdi) And Multi-Spectral Analysis	All
0062U	Autoimmune (Systemic Lupus Erythematosus), Igg And Igm Analysis Of 80 Biomarkers, Utilizing Serum, Algorithm Reported With A Risk Score	All
0067U	Oncology (Breast), Immunohistochemistry, Protein Expression Profiling Of 4 Biomarkers (Matrix Metalloproteinase-1 [Mmp-1], Carcinoembryonic Antigen-Related Cell Adhesion Molecule 6 [Ceacam6], Hyaluronoglucosaminidase [Hyal1], Highly Expressed In Cancer Protein [Hec1]), Formalin- Fixed Paraffin-Embedded Precancerous Breast Tissue, Algorithm Reported As Carcinoma Risk Score	All
0069U	Oncology (Colorectal), Microrna, Rt-Pcr Expression Profiling Of Mir-31-3P, Formalin- Fixed Paraffin-Embedded Tissue, Algorithm Reported As An Expression Score	All
0075T	Transcatheter Placement Of Extracranial Vertebral Artery Stent(S), Including Radiologic Supervision And Interpretation, Open Or Percutaneous; Initial Vessel	All
0076T	Each Additional Vessel (Lis Separately In Addition To Code For Primary Procedure).	All
0078U	Pain Management (Opioid-Use Disorder) Genotyping Panel, 16 Common Variants (Ie, Abcb1, Comt, Dat1, Dbh, Dor, Drd1, Drd2, Drd4, Gaba, Gal, Htr2A, Httlpr, Mthfr, Muor, Oprk1, Oprm1), Buccal Swab Or Other Germline Tissue Sample, Algorithm Reported As Positive Or Negative Risk Of Opioid-Use Disorder	All

0080U	Oncology (Lung), Mass Spectrometric Analysis Of Galectin-3-Binding Protein And Scavenger Receptor Cysteine-Rich Type 1 Protein M130, With Five Clinical Risk Factors (Age, Smoking Status, Nodule Diameter, Nodule-Spiculation Status And Nodule Location), Utilizing Plasma, Algorithm Reported As A Categorical Probability Of Malignancy	All
0082U	Drug Test(S), Definitive, 90 Or More Drugs Or Substances, Definitive Chromatography With Mass Spectrometry, And Presumptive, Any Number Of Drug Classes, By Instrument Chemistry Analyzer (Utilizing Immunoassay), Urine, Report Of Presence Or Absence Of Each Drug, Drug Metabolite Or Substance With Description And Severity Of Significant Interactions Per Date Of Service	All
0083U	Oncology, Response To Chemotherapy Drugs Using Motility Contrast Tomography, Fresh Or Frozen Tissue, Reported As Likelihood Of Sensitivity Or Resistance To Drugs Or Drug Combinations	All
0084U	Red Blood Cell Antigen Typing, Dna, Genotyping Of 10 Blood Groups With Phenotype Prediction Of 37 Red Blood Cell Antigens	All
0085T	Algorithm Reported As A Rejection Risk Score.	T86.20-T86.298 Z48.21 Z94.1
0087U	Cardiology (Heart Transplant), Mrna Gene Expression Profiling By Microarray Of 1283 Genes, Transplant Biopsy Tissue, Allograft Rejection And Injury Algorithm Reported As A Probability Score	All
0088U	Transplantation Medicine (Kidney Allograft Rejection), Microarray Gene Expression Profiling Of 1494 Genes, Utilizing Transplant Biopsy Tissue, Algorithm Reported As A Probability Score For Rejection	All

0089U	Oncology (Melanoma), Gene Expression Profiling By Rtpcr, Prame And Linc00518, Superficial Collection Using Adhesive Patch (Es)	All
0090U	Oncology (Cutaneous Melanoma), Mrna Gene Expression Profiling By Rt-Pcr Of 23 Genes (14 Content And 9 Housekeeping), Utilizing Formalin-Fixed Paraffin-Embedded Tissue, Algorithm Reported As A Categorical Result (Ie, Benign, Indeterminate, Malignant)	All
0091U	Oncology (Colorectal) Screening, Cell Enumeration Of Circulating Tumor Cells, Utilizing Whole Blood, Algorithm, For The Presence Of Adenoma Or Cancer, Reported As A Positive Or Negative Result	All
0092U	Oncology (Lung), Three Protein Biomarkers, Immunoassay Using Magnetic Nanosensor Technology, Plasma, Algorithm Reported As Risk Score For Likelihood Of Malignancy	All
0095U	Inflammation (Eosinophilic Esophagitis), Elisa Analysis Of Eotaxin-3 (Ccl26 [C-C Motif Chemokine Ligand 26]) And Major Basic Protein (Prg2 [Proteoglycan 2, Pro Eosinophil Major Basic Protein]), Specimen Obtained By Swallowed Nylon String, Algorithm Reported As Predictive Probability Index For Active Eosinophilic Esophagitis	All

0097U	Gastrointestinal Pathogen, Multiplex Reverse Transcription And Multiplex Amplified Probe Technique, Multiple Types Or Subtypes, 22 Targets (Campylobacter [C. Jejuni/C. Coli/C. Upsaliensis], Clostridium Difficile [C. Difficile] Toxin A/B, Plesiomonas Shigelloides, Salmonella, Vibrio [V. Parahaemolyticus/V. Vulnificus/V. Cholerae], Including Specific Identification Of Vibrio Cholerae, Yersinia Enterocolitica, Enteroaggregative Escherichia Coli [Eaec], Enteropathogenic Escherichia Coli [Epec], Enterotoxigenic Escherichia Coli [Etec] Lt/St, Shiga-Like Toxin-Producing Escherichia Coli [Stec] Stx1/Stx2 [Including Specific Identification Of The E. Coli O157 Serogroup Within Stec], Shigella/Enteroinvasive Escherichia Coli [Eiec], Cryptosporidium, Cyclospora Cayetanensis, Entamoeba Histolytica, Giardia Lamblia [Also Known As G. Intestinalis And G. Duodenalis], Adenovirus F 40/41, Astrovirus, Norovirus Gi/Gii, Rotavirus A, Sapovirus [Genogroups I, li, Iv, And V])	All
0100T	Placement Of A Subconjunctival Retinal Prosthesis Receiver And Pulse Generator, And Implantation Of Intra-Ocular Retinal Electrode Array, With Vitrectomy.	All
0101T	Extracorporeal Shock Wave Therapy; Involving Musculoskeletal System, Not Otherwise Specified; High Energy	M72.2 M75.20-M75.22 M77.00-M77.02 M77.10-M77.12 M84.311-M84.38 M87.051-M87.059

0101U	Hereditary Colon Cancer Disorders (Eg, Lynch Syndrome, Pten Hamartoma Syndrome, Cowden Syndrome, Familial Adenomatosis Polyposis), Genomic Sequence Analysis Panel Utilizing A Combination Of Ngs, Sanger, Mlpa, And Array Cgh, With Mrna Analytics To Resolve Variants Of Unknown Significance When Indicated (15 Genes [Sequencing And Deletion/Duplication], Epcam And Grem1 [Deletion/Duplication Only])	All
0102T	Extracorporeal Shock Wave Therapy; High Energy, Performed By A Physician, Requiring Anesthesia Other Than Local, Involving Lateral Humeral Epicondyle.	M72.2 M75.20-M75.22 M77.00-M77.02 M77.10-M77.12 M84.311-M84.38 M87.051-M87.059
0102U	Hereditary Breast Cancer-Related Disorders (Eg, Hereditary Breast Cancer, Hereditary Ovarian Cancer, Hereditary Endometrial Cancer), Genomic Sequence Analysis Panel Utilizing A Combination Of Ngs, Sanger, Mlpa, And Array Cgh, With Mrna Analytics To Resolve Variants Of Unknown Significance When Indicated (17 Genes [Sequencing And Deletion/Duplication])	All
0103U	Hereditary Ovarian Cancer (Eg, Hereditary Ovarian Cancer, Hereditary Endometrial Cancer), Genomic Sequence Analysis Panel Utilizing A Combination Of Ngs, Sanger, Mlpa, And Array Cgh, With Mrna Analytics To Resolve Variants Of Unknown Significance When Indicated (24 Genes [Sequencing And Deletion/Duplication], Epcam [Deletion/Duplication Only])	All

0105U	Nephrology (Chronic Kidney Disease), Multiplex Electrochemiluminescent Immunoassay (Eclia) Of Tumor Necrosis Factor Receptor 1A, Receptor Superfamily 2 (Tnfr1, Tnfr2), And Kidney Injury Molecule-1 (Kim-1) Combined With Longitudinal Clinical Data, Including Apol1 Genotype If Available, And Plasma (Isolated Fresh Or Frozen), Algorithm Reported As Probability Score For Rapid Kidney Function Decline (Rkfd)	All
0106T	Quantitative Sensory Testing (Qst), Testing And Interpretation Per Extremity; Using Touch Pressure Stimuli To Assess Large Diameter Sensation	All
0106U	Gastric Emptying, Serial Collection Of 7 Timed Breath Specimens, Non-Radioisotope Carbon-13 (13C) Spirulina Substrate, Analysis Of Each Specimen By Gas Isotope Ratio Mass Spectrometry, Reported As Rate Of 13Co2 Excretion	All
0107T	Using Vibration Stimuli To Assess Large Diameter Fiber Sensation	All
0107U	Clostridium difficile toxin(s) antigen detection by immunoassay technique, stool, qualitative, multiple-step method	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
0108T	Using Cooling Stimuli To Assess Small Nerve Fiber Sensation And Hyperalgesia	All
0108U	Gastroenterology (Barrett'S Esophagus), Whole Slide-Digital Imaging, Including Morphometric Analysis, Computer-Assisted Quantitative Immunolabeling Of 9 Protein Biomarkers (P16, Amacr, P53, Cd68, Cox-2, Cd45Ro, Hif1A, Her- 2, K20) And Morphology, Formalin-Fixed Paraffin-Embedded Tissue, Algorithm Reported As Risk Of Progression To High-Grade Dysplasia Or Cancer	All

0109T	Using Heat-Pain Stimuli Quantitative sensory testing (QST), testing and interpretation per extremity; using heat-pain stimuli to assess small nerve fiber sensation and hyperalgesia CONJUNCTION WITH CPT® CODE 67306	All
0110T	Using Other Stimuli To Assess Sensation.	All
0110U	Prescription Drug Monitoring, One Or More Oral Oncology Drug(S) And Substances, Definitive Tandem Mass Spectrometry With Chromatography, Serum Or Plasma From Capillary Blood Or Venous Blood, Quantitative Report With Steady-State Range For The Prescribed Drug(S) When Detected	All
0113U	Oncology (Prostate), Measurement Of Pca3 And Tmprss2-Erg In Urine And Psa In Serum Following Prostatic Massage, By Rna Amplification And Fluorescence-Based Detection, Algorithm Reported As Risk Score	All
0114U	Gastroenterology (Barrett's Esophagus), Vim And Ccna1 Methylation Analysis, Esophageal Cells, Algorithm Reported As Likelihood For Barrett'S Esophagus	All
0116U	Prescription Drug Monitoring, Enzyme Immunoassay Of 35 Or More Drugs Confirmed With Lc-Ms/Ms, Oral Fluid, Algorithm Results Reported As A Patient-Compliance Measurement With Risk Of Drug To Drug Interactions For Prescribed Medications	All

0117U	Pain Management, Analysis Of 11 Endogenous Analytes (Methylmalonic Acid, Xanthurenic Acid, Homocysteine, Pyroglutamic Acid, Vanilmandelate, 5-Hydroxyindoleacetic Acid, Hydroxymethylglutarate, Ethylmalonate, 3- Hydroxypropyl Mercapturic Acid (3-Hpma), Quinolinic Acid, Kynurenic Acid), Lc- Ms/Ms, Urine, Algorithm Reported As A Pain-Index Score With Likelihood Of Atypical Biochemical Function Associated With Pain	All
0118U	Transplantation Medicine, Quantification Of Donor-Derived Cell-Free Dna Using Whole Genome Next-Generation Sequencing, Plasma, Reported As Percentage Of Donor-Derived Cell- Free Dna In The Total Cell-Free Dna	All
0119U	Cardiology, Ceramides By Liquid Chromatography Tandem Mass Spectrometry, Plasma, Quantitative Report With Risk Score For Major Cardiovascular Events	All
0120U	Oncology (B-Cell Lymphoma Classification), Mrna, Gene Expression Profiling By Fluorescent Probe Hybridization Of 58 Genes (45 Content And 13 Housekeeping Genes), Formalin-Fixed Paraffin-Embedded Tissue, Algorithm Reported As Likelihood For Primary Mediastinal B-Cell Lymphoma (Pmbcl) And Diffuse Large B-Cell Lymphoma (Dlbcl) With Cell Of Origin Subtyping In The Latter	All
0121U	Sickle Cell Disease, Microfluidic Flow Adhesion (Vcam-1), Whole Blood	All
0122U	Sickle Cell Disease, Microfluidic Flow Adhesion (P-Selectin), Whole Blood	All
0123U	Mechanical Fragility, Rbc, Shear Stress And Spectral Analysis Profiling	All

0126T	Common carotid intima-media thickness (IMT) study for evaluation of atherosclerotic burden or coronary heart disease risk factor assessment	Z13.6
0129U	Hereditary Breast Cancer-Related Disorders (Eg, Hereditary Breast Cancer, Hereditary Ovarian Cancer, Hereditary Endometrial Cancer), Genomic Sequence Analysis And Deletion/Duplication Analysis Panel (Atm, Brca1, Brca2, Cdh1, Chek2, Palb2, Pten, And Tp53)	All
0130U	Hereditary Colon Cancer Disorders (Eg, Lynch Syndrome, Pten Hamartoma Syndrome, Cowden Syndrome, Familial Adenomatosis Polyposis), Targeted Mrna Sequence Analysis Panel (Apc, Cdh1, Chek2, Mlh1, Msh2, Msh6, Mutyh, Pms2, Pten, And Tp53) (List Separately In Addition To Code For Primary Procedure)	All
0131U	Hereditary Breast Cancer-Related Disorders (Eg, Hereditary Breast Cancer, Hereditary Ovarian Cancer, Hereditary Endometrial Cancer), Targeted Mrna Sequence Analysis Panel (13 Genes) (List Separately In Addition To Code For Primary Procedure)	All
0132U	Hereditary Ovarian Cancer-Related Disorders (Eg, Hereditary Breast Cancer, Hereditary Ovarian Cancer, Hereditary Endometrial Cancer), Targeted Mrna Sequence Analysis Panel (17 Genes) (List Separately In Addition To Code For Primary Procedure)	All
0133U	Hereditary Prostate Cancer-Related Disorders, Targeted Mrna Sequence Analysis Panel (11 Genes) (List Separately In Addition To Code For Primary Procedure)	All

0134U	Hereditary Pan Cancer (Eg, Hereditary Breast And Ovarian Cancer, Hereditary Endometrial Cancer, Hereditary Colorectal Cancer), Targeted Mrna Sequence Analysis Panel (18 Genes) (List Separately In Addition To Code For Primary Procedure)	All
0135U	Hereditary Gynecological Cancer (Eg, Hereditary Breast And Ovarian Cancer, Hereditary Endometrial Cancer, Hereditary Colorectal Cancer), Targeted Mrna Sequence Analysis Panel (12 Genes) (List Separately In Addition To Code For Primary Procedure)	All
0136U	Atm (Ataxia Telangiectasia Mutated) (Eg, Ataxia Telangiectasia) Mrna Sequence Analysis (List Separately In Addition To Code For Primary Procedure)	All
0137U	Palb2 (Partner And Localizer Of Brca2) (Eg, Breast And Pancreatic Cancer) Mrna Sequence Analysis (List Separately In Addition To Code For Primary Procedure)	All
0138U	Brca1 (Brca1, Dna Repair Associated), Brca2 (Brca2, Dna Repair Associated) (Eg, Hereditary Breast And Ovarian Cancer) Mrna Sequence Analysis (List Separately In Addition To Code For Primary Procedure)	All
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	All
0152U	Infectious Disease (Bacteria, Fungi, Parasites, And Dna Viruses), Dna, Pcr And Next- Generation Sequencing, Plasma, Detection Of >1,000 Potential Microbial Organisms For Significant Positive Pathogens	All

0153U	Oncology (breast), mRNA, gene expression profiling by next-generation sequencing of 101 genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as a triple negative breast cancer clinical subtype(s) with information on immune cell involvement	All
0156U	Copy Number (Eg, Intellectual Disability, Dysmorphology), Sequence Analysis	All
0163T	Total Disc Arthroplasty (Artificial Disc), Anterior Approach, Including Discectomy To Prepare Interspace (Other Than For Decompression), Each	All
0163U	Oncology (colorectal) screening, biochemical enzyme-linked immunosorbent assay (ELISA) of 3 plasma or serum proteins (teratocarcinoma derived growth factor-1 [TDGF-1, Cripto-1], carcinoembryonic antigen [CEA], extracellular matrix protein [ECM]), with demographic data (age, gender, CRC-screening compliance) using a proprietary algorithm and reported as likelihood of CRC or advanced adenomas	All
0164T	Additional Interspace, Lumbar (List Separately In Addition To Code For Primary Procedure)	All
0164U	Gastroenterology (irritable bowel syndrome [IBS]), immunoassay for anti-CdtB and anti- vinculin antibodies, utilizing plasma, algorithm for elevated or not elevated qualitative results	All
0165T	Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, each additional interspace, lumbar (List separately in addition to code for primary procedure)	All

0165U	Peanut allergen-specific IgE and quantitative assessment of 64 epitopes using enzyme-linked immunosorbent assay (ELISA), blood, individual epitope results and interpretation	All
0166U	Liver disease, 10 biochemical assays (a2-macroglobulin, haptoglobin, apolipoprotein A1, bilirubin, GGT, ALT, AST, triglycerides, cholesterol, fasting glucose) and biometric and demographic data, utilizing serum, algorithm reported as scores for fibrosis, necroinflammatory activity, and steatosis with a summary interpretation	All
0168U	Fetal aneuploidy (trisomy 21, 18, and 13) DNA sequence analysis of selected regions using maternal plasma without fetal fraction cutoff, algorithm reported as a risk score for each trisomy	All
0169U	NUDT15 (nudix hydrolase 15) and TPMT (thiopurine S-methyltransferase) (eg, drug metabolism) gene analysis, common variants	All
0170U	Neurology (autism spectrum disorder [ASD]), RNA, next-generation sequencing, saliva, algorithmic analysis, and results reported as predictive probability of ASD diagnosis	All
0171U	Targeted genomic sequence analysis panel, acute myeloid leukemia, myelodysplastic syndrome, and myeloproliferative neoplasms, DNA analysis, 23 genes, interrogation for sequence variants, rearrangements and minimal residual disease, reported as presence/absence	All
0173U	Psychiatry (ie, depression, anxiety), genomic analysis panel, includes variant analysis of 14 genes	All

0174U	Oncology (solid tumor), mass spectrometric 30 protein targets, formalin-fixed paraffin- embedded tissue, prognostic and predictive algorithm reported as likely, unlikely, or uncertain benefit of 39 chemotherapy and targeted therapeutic oncology agents	All
0175U	Psychiatry (eg, depression, anxiety), genomic analysis panel, variant analysis of 15 genes	All
0176U	Cytotoxic distending toxin B (CdtB) and vinculin IgG antibodies by immunoassay (ie, ELISA)	All
0178U	Peanut allergen-specific quantitative assessment of multiple epitopes using enzyme- linked immunosorbent assay (ELISA), blood, report of minimum eliciting exposure for a clinical reaction	All
0179U	Oncology (non-small cell lung cancer), cell-free DNA, targeted sequence analysis of 23 genes (single nucleotide variations, insertions and deletions, fusions without prior knowledge of partner/breakpoint, copy number variations), with report of significant mutation(s)	All
0180U	Red cell antigen (ABO blood group) genotyping (ABO), gene analysis Sanger/chain termination/conventional sequencing, ABO (ABO, alpha 1-3-N-acetylgalactosaminyltransferase and alpha 1-3- galactosyltransferase) gene, including subtyping, 7 exons	All
0181U	Red cell antigen (Colton blood group) genotyping (CO), gene analysis, AQP1 (aquaporin 1 [Colton blood group]) exon 1	All
0182U	Red cell antigen (Cromer blood group) genotyping (CROM), gene analysis, CD55 (CD55 molecule [Cromer blood group]) exons 1-10	All

0183U	Red cell antigen (Diego blood group) genotyping (DI), gene analysis, SLC4A1 (solute carrier family 4 member 1 [Diego blood group]) exon 19	All
0184U	Red cell antigen (Dombrock blood group) genotyping (DO), gene analysis, ART4 (ADP-ribosyltransferase 4 [Dombrock blood group]) exon 2	All
0185U	Red cell antigen (H blood group) genotyping (FUT1), gene analysis, FUT1 (fucosyltransferase 1 [H blood group]) exon 4	All
0186U	Red cell antigen (H blood group) genotyping (FUT2), gene analysis, FUT2 (fucosyltransferase 2) exon 2	All
0187U	Red cell antigen (Duffy blood group) genotyping (FY), gene analysis, ACKR1 (atypical chemokine receptor 1 [Duffy blood group]) exons 1-2	All
0188U	Red cell antigen (Gerbich blood group) genotyping (GE), gene analysis, GYPC (glycophorin C [Gerbich blood group]) exons 1- 4	All
0189U	Red cell antigen (MNS blood group) genotyping (GYPA), gene analysis, GYPA (glycophorin A [MNS blood group]) introns 1, 5, exon 2	All
0190U	Red cell antigen (MNS blood group) genotyping (GYPB), gene analysis, GYPB (glycophorin B [MNS blood group]) introns 1, 5, pseudoexon 3	All
0191U	Red cell antigen (Indian blood group) genotyping (IN), gene analysis, CD44 (CD44 molecule [Indian blood group]) exons 2, 3, 6	All
0192U	Red cell antigen (Kidd blood group) genotyping (JK), gene analysis, SLC14A1 (solute carrier family 14 member 1 [Kidd blood group]) gene promoter, exon 9	All
0193U	Red cell antigen (JR blood group) genotyping (JR), gene analysis, ABCG2 (ATP binding cassette subfamily G member 2 [Junior blood group]) exons 2-26	All

0194U	Red cell antigen (Kell blood group) genotyping (KEL), gene analysis, KEL (Kell metallo- endopeptidase [Kell blood group]) exon 8	All
0195U	KLF1 (Kruppel-like factor 1), targeted sequencing (ie, exon 13)	All
0196U	Red cell antigen (Lutheran blood group) genotyping (LU), gene analysis, BCAM (basal cell adhesion molecule [Lutheran blood group]) exon 3	All
0197U	Red cell antigen (Landsteiner-Wiener blood group) genotyping (LW), gene analysis, ICAM4 (intercellular adhesion molecule 4 [Landsteiner-Wiener blood group]) exon 1	All
0198U	Red cell antigen (RH blood group) genotyping (RHD and RHCE), gene analysis Sanger/chain termination/conventional sequencing, RHD (Rh blood group D antigen) exons 1-10 and RHCE (Rh blood group CcEe antigens) exon 5	All
0199U	Red cell antigen (Scianna blood group) genotyping (SC), gene analysis, ERMAP (erythroblast membrane associated protein [Scianna blood group]) exons 4, 12	All
0200U	Red cell antigen (Kx blood group) genotyping (XK), gene analysis, XK (X-linked Kx blood group) exons 1-3	All
0201U	Red cell antigen (Yt blood group) genotyping (YT), gene analysis, ACHE (acetylcholinesterase [Cartwright blood group]) exon 2	All
0202T	Posterior Vertebral Joint(S) Arthroplasty (Eg, Facet Joint[S] Replacement) Including Facetectomy, Laminectomy, Foraminotomy And Vertebral Column Fixation, Injection Of Bone Cement, When Performed, Including Fluoroscopy, Single Level, Lumbar Spine	All

0202U	Infectious disease (bacterial or viral respiratory tract infection), pathogen-specific nucleic acid (DNA or RNA), 22 targets including severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), qualitative RT-PCR, nasopharyngeal swab, each pathogen reported as detected or not detected	All
0203U	Autoimmune (inflammatory bowel disease), mRNA, gene expression profiling by quantitative RT-PCR, 17 genes (15 target and 2 reference genes), whole blood, reported as a continuous risk score and classification of inflammatory bowel disease aggressiveness	All
0204U	Oncology (thyroid), mRNA, gene expression analysis of 593 genes (including BRAF, RAS, RET, PAX8, and NTRK) for sequence variants and rearrangements, utilizing fine needle aspirate, reported as detected or not detected	All
0205U	Ophthalmology (age-related macular degeneration), analysis of 3 gene variants (2 CFH gene, 1 ARMS2 gene), using PCR and MALDI-TOF, buccal swab, reported as positive or negative for neovascular age-related macular-degeneration risk associated with zinc supplements	All
0206U	Neurology (Alzheimer disease); cell aggregation using morphometric imaging and protein kinase C-epsilon (PKCe) concentration in response to amylospheroid treatment by ELISA, cultured skin fibroblasts, each reported as positive or negative for Alzheimer disease	All
0207T	Evacuation Of Meibomian Glands, Automated, Using Heat And Intermittent Pressure, Unilateral.	H04.121-H04.129

0207U	Neurology (Alzheimer disease); quantitative imaging of phosphorylated ERK1 and ERK2 in response to bradykinin treatment by in situ immunofluorescence, using cultured skin fibroblasts, reported as a probability index for Alzheimer disease (List separately in addition to code for primary procedure)	All
0208U	Oncology (medullary thyroid carcinoma), mRNA, gene expression analysis of 108 genes, utilizing fine needle aspirate, algorithm reported as positive or negative for medullary thyroid carcinoma	All
0209U	Cytogenomic constitutional (genome-wide) analysis, interrogation of genomic regions for copy number, structural changes and areas of homozygosity for chromosomal abnormalities	All
0211U	Oncology (pan-tumor), DNA and RNA by next-generation sequencing, utilizing formalin-fixed paraffin-embedded tissue, interpretative report for single nucleotide variants, copy number alterations, tumor mutational burden, and microsatellite instability, with therapy association	All
0216U	Neurology (inherited ataxias), genomic DNA sequence analysis of 12 common genes including small sequence changes, deletions, duplications, short tandem repeat gene expansions, and variants in non-uniquely mappable regions, blood or saliva, identification and categorization of genetic variants	All
0217U	Neurology (inherited ataxias), genomic DNA sequence analysis of 51 genes including small sequence changes, deletions, duplications, short tandem repeat gene expansions, and variants in non-uniquely mappable regions, blood or saliva, identification and categorization of genetic variants	All

0218U	Neurology (muscular dystrophy), DMD gene sequence analysis, including small sequence changes, deletions, duplications, and variants in non-uniquely mappable regions, blood or saliva, identification and characterization of genetic variants	All
0219U	Infectious agent (human immunodeficiency virus), targeted viral next-generation sequence analysis (ie, protease [PR], reverse transcriptase [RT], integrase [INT]), algorithm reported as prediction of antiviral drug susceptibility	All
0220U	Oncology (breast cancer), image analysis with artificial intelligence assessment of 12 histologic and immunohistochemical features, reported as a recurrence score	All
0223U	Infectious disease (bacterial or viral respiratory tract infection), pathogen-specific nucleic acid (DNA or RNA), 22 targets including severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), qualitative RT-PCR, nasopharyngeal swab, each pathogen reported as detected or not detected	All
0224U	Antibody, severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) (Coronavirus disease [COVID-19]), includes titer(s), when performed	All
0225U	[Infectious disease (bacterial or viral respiratory tract infection) pathogen-specific DNA and RNA, 21 targets, including severe acute respiratory syndrome coronavirus 2 (SARSCoV-2), amplified probe technique, including multiplex reverse transcription for RNA targets, each analyte reported as detected or not detected]	All

0227U	Drug assay, presumptive, 30 or more drugs or metabolites, urine, liquid chromatography with tandem mass spectrometry (LC-MS/MS) using multiple reaction monitoring (MRM), with drug or metabolite description, includes sample validation	All
0228U	Oncology (prostate), multianalyte molecular profile by photometric detection of macromolecules adsorbed on nanosponge array slides with machine learning, utilizing first morning voided urine, algorithm reported as likelihood of prostate cancer	All
0229U	BCAT1 (Branched chain amino acid transaminase 1) or IKZF1 (IKAROS family zinc finger 1) (eg, colorectal cancer) promoter methylation analysis	All
0242U	Targeted genomic sequence analysis panel, solid organ neoplasm, cell-free circulating DNA analysis of 55-74 genes, interrogation for sequence variants, gene copy number amplifications, and gene rearrangements	All
0243U	Obstetrics (preeclampsia), biochemical assay of placental-growth factor, time-resolved fluorescence immunoassay, maternal serum, predictive algorithm reported as a risk score for	All
0244U	Oncology (solid organ), DNA, comprehensive genomic profiling, 257 genes, interrogation for single-nucleotide variants, insertions/deletions, copy number alterations, gene rearrangements, tumor-mutational burden and microsatellite instability, utilizing formalin-fixed paraffinembedded tumor tissue	All

0247U	Obstetrics (preterm birth), insulin-like growth factor-binding protein 4 (IBP4), sex hormone-binding globulin (SHBG), quantitative measurement by LC-MS/MS, utilizing maternal serum, combined with clinical data, reported as predictive-risk stratification for spontaneous preterm birth	All
0253T	Insertion Of Anterior Segment Aqueous Drainage Device, Without Extraocular Reservoir, Internal Approach, Into The Suprachoroidal Space	All
0263T	Intramuscular Autologous Bone Marrow Cell Therapy, With Preparation Of Harvested Cells, Multiple Injections, One Leg, Including Ultrasound Guidance, If Performed; Complete Procedure Including Unilateral Or Bilateral Bone Marrow Harvest	All
0264T	Intramuscular Autologous Bone Marrow Cell Therapy, With Preparation Of Harvested Cells, Multiple Injections, One Leg, Including Ultrasound Guidance, If Performed; Complete Procedure Excluding Bone Marrow Harvest	All
0265T	Intramuscular Autologous Bone Marrow Cell Therapy, With Preparation Of Harvested Cells, Multiple Injections, One Leg, Including Ultrasound Guidance, If Performed; Unilateral Or Bilateral Bone Marrow Harvest Only For Intramuscular Autologous Bone Marrow Cell Therapy.	All
0266T	Implantation Or Replacement Of Baroflex Activation Devices	All
0267T	Implantation Or Replacement Of Baroflex Activation Devices	All
0268T	Implantation Or Replacement Of Baroflex Activation Devices	All
0269T	Implantation Or Replacement Of Baroflex Activation Devices	All
0270T	Implantation Or Replacement Of Baroflex Activation Devices	All

0271T	Implantation Or Replacement Of Baroflex Activation Devices	All
0272T	Implantation Or Replacement Of Baroflex Activation Devices	All
0273T	Implantation Or Replacement Of Baroflex Activation Devices	All
0274T	Percutaneous Laminotomy/Laminectomy (Intralaminar Approach) For Decompression Of Neural Elements (With Or Without Ligamentous Resection, Discectomy, Facetectomy And/Or Foraminotomy), Any Method Under Indirect Image Guidance (Eg, Fluoroscopic, [Computed Tomography] Ct), With Or Without The Use Of An Endoscope, Single Or Multiple Levels, Unilateral Or Bilateral; Cervical Or Thoracic	All
0275T	Percutaneous laminotomy/laminectomy (interlaminar approach) for decompression of neural elements, (with or without ligamentous resection, discectomy, facetectomy and/or foraminotomy), any method, under indirect image guidance (eg, fluoroscopic, CT), single or multiple levels, unilateral or bilateral; lumbar	All
0278T	Transcutaneous Electrical Modulation Pain Reprocessing (Eg, Scrambler Therapy), Each Treatment Session (Includes Placement Of Electrodes)	All
0312T	Vagus Nerve Blocking Therapy (Morbid Obesity); Laparoscopic Implantation Of Neurostimulator Electrode Array, Anterior And Posterior Vagal Trunks Adjacent To Esophagogastric Junction (Egj), With Implantation Of Pulse Generator, Includes Programming	All
0313T	Laparoscopic Revision Or Replacement Of Vagal Trunk Neurostimulator Electrode Array, Including Connection To Existing Pulse Generator	All

0314T	Laparoscopic Removal Of Vagal Trunk Neurostimulator Electrode Array And Pulse Generator	All
0315T	Neurostimulator Pulse Generator Electronic Analysis, Includes Reprogramming When Performed	All
0316T	Replacement Of Pulse Generator	All
0317T	Neurostimulator Pulse Generator Electronic Analysis, Includes Reprogramming When Performed	All
0330T	Tear Film Imaging, Unilateral Or Bilateral, With Interpretation And Report.	H04.121-H04.129
0332T	Myocardial Sympathetic Innervation Imaging; Planar Qualitative And Quantitative Assessment, And With Tomographic Spect	I50.1-I50.9
0335T	Insertion Of Sinus Tarsi Implant OR Extra-Osseous Subtalar Joint Implant For Talotarsal Stabilization	All
0338T	Transcatheter Renal Sympathetic Denervation, Percutaneous Approach Including Arterial Puncture, Selective Catheter Placement(S) Renal Artery(les), Fluoroscopy, Contrast Injection(S), Intraprocedural Roadmapping And Radiological Supervision And Interpretation, Including Pressure Gradient Measurements, Flush Aortogram And Diagnostic Renal Angiography When Performed; Unilateral: And Bilateral	I10.0-I15.9
0339T	Transcatheter Renal Sympathetic Denervation, Percutaneous Approach Including Arterial Puncture, Selective Catheter Placement(S) Renal Artery(les), Fluoroscopy, Contrast Injection(S), Intraprocedural Roadmapping And Radiological Supervision And Interpretation, Including Pressure Gradient Measurements, Flush Aortogram And Diagnostic Renal Angiography When Performed; Unilateral: And Bilateral	I10-I15.9
0394T	High Dose Rate Electronic Brachytherapy, Skin Surface Application, Per Fraction, Includes Basic Dosimetry, When Performed	C44.211-C44.219 C44.221-C44.299 C44.310-C44.319 C44.320-C44.329 C44.41 C44.42

0397T	Endoscopic Retrograde Cholangiopancreatography (Ercp) With Optical Endomicroscopy	K22.70-K22.719 Z13.810 Z13.811 Z13.83
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)	All
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	C43.0-C43.9 D22.0-D22.9 D23.0-D23.9
0401T	Multi-spectral digital skin lesion analysis of clinically atypical cutaneous pigmented lesions for detection of melanomas and high risk melanocytic atypia; six or more lesions	C43.0-C43.9 D22.0-D22.9 D23.0-D23.9
0406T	Nasal Endoscopy, Surgical, Ethmoid Sinus, Placement Of Drug Eluting Implant	All
0407T	Nasal Endoscopy, Surgical, Ethmoid Sinus, Placement Of Drug Eluting Implant; With Biopsy, Polypectomy Or Debridement	All
0449T	Insertion Of Aqueous Drainage Device, Without Extraocular Reservoir, Internal Approach, Into The Subconjunctival Space; Initial Device	All
0450T	Insertion Of Aqueous Drainage Device, Without Extraocular Reservoir, Internal Approach, Into The Subconjunctival Space; Each Additional Device (List Separately In Addition To Code For Primary Procedure)	All
0506T	Macular Pigment Optical Density Measurement By Heterochromatic Flicker Photometry, Unilateral Or Bilateral, With Interpretation And Report	All
0507T	Near-Infrared Dual Imaging (Ie, Simultaneous Reflective And Trans-Illuminated Light) Of Meibomian Glands, Unilateral Or Bilateral, With Interpretation And Report	All

0508T	Pulse-Echo Ultrasound Bone Density Measurement Resulting In Indicator Of Axial Bone Mineral Density, Tibia	All
0509T	Electroretinography (Erg) With Interpretation And Report, Pattern (Perg)	All
0510T	Removal Of Sinus Tarsi Implant	All
0511T	Removal And Reinsertion Of Sinus Tarsi Implant	All
0512T	Extracorporeal Shock Wave For Integumentary Wound Healing, High Energy, Including Topical Application And Dressing Care; Initial Wound	All
0513T	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)	All
0514T	Intraoperative Visual Axis Identification Using Patient Fixation (List Separately In Addition To Code For Primary Procedure)	All
0515T	Insertion Of Wireless Cardiac Stimulator For Left Ventricular Pacing, Including Device Interrogation And Programming, And Imaging Supervision And Interpretation, When Performed; Complete System (Includes Electrode And Generator [Transmitter And Battery])	All
0516T	Insertion Of Wireless Cardiac Stimulator For Left Ventricular Pacing, Including Device Interrogation And Programming, And Imaging Supervision And Interpretation, When Performed; Complete System (Includes Electrode And Generator [Transmitter And Battery])	All
0517T	Insertion Of Wireless Cardiac Stimulator For Left Ventricular Pacing, Including Device Interrogation And Programming, And Imaging Supervision And Interpretation, When Performed; Pulse Generator Component(S) (Battery And/Or Transmitter) Only	All

0518T	Removal Of Only Pulse Generator Component(S) (Battery And/Or Transmitter) Of Wireless Cardiac Stimulator For Left Ventricular Pacing	All
0519T	Removal And Replacement Of Wireless Cardiac Stimulator For Left Ventricular Pacing; Pulse Generator Component(S) (Battery And/Or Transmitter)	All
0520T	Removal And Replacement Of Wireless Cardiac Stimulator For Left Ventricular Pacing; Pulse Generator Component(S) (Battery And/Or Transmitter), Including Placement Of A New Electrode	All
0521T	Interrogation Device Evaluation (In Person) With Analysis, Review And Report, Includes Connection, Recording, And Disconnection Per Patient Encounter, Wireless Cardiac Stimulator For Left Ventricular Pacing	All
0522T	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, Including Review And Report, Wireless Cardiac Stimulator For Left Ventricular Pacing	All
0523T	Intraprocedural Coronary Fractional Flow Reserve (Ffr) With 3D Functional Mapping Of Color-Coded Ffr Values For The Coronary Tree, Derived From Coronary Angiogram Data, For Real-Time Review And Interpretation Of Possible Atherosclerotic Stenosis(Es) Intervention (List Separately In Addition To Code For Primary Procedure)	All

0524T	Endovenous Catheter Directed Chemical Ablation With Balloon Isolation Of Incompetent Extremity Vein, Open Or Percutaneous, Including All Vascular Access, Catheter Manipulation, Diagnostic Imaging, Imaging Guidance And Monitoring	All
0525T	Insertion Or Replacement Of Intracardiac Ischemia Monitoring System, Including Testing Of The Lead And Monitor, Initial System Programming, And Imaging Supervision And Interpretation; Complete System (Electrode And Implantable Monitor)	All
0526T	Insertion Or Replacement Of Intracardiac Ischemia Monitoring System, Including Testing Of The Lead And Monitor, Initial System Programming, And Imaging Supervision And Interpretation; Electrode Only	All
0527T	Insertion Or Replacement Of Intracardiac Ischemia Monitoring System, Including Testing Of The Lead And Monitor, Initial System Programming, And Imaging Supervision And Interpretation; Implantable Monitor Only	All
0528T	Programming Device Evaluation (In Person) Of Intracardiac Ischemia Monitoring System With Iterative Adjustment Of Programmed Values, With Analysis, Review, And Report	All
0529T	Interrogation Device Evaluation (In Person) Of Intracardiac Ischemia Monitoring System With Analysis, Review, And Report	All
0530T	Removal Of Intracardiac Ischemia Monitoring System, Including All Imaging Supervision And Interpretation; Complete System (Electrode And Implantable Monitor)	All
0531T	Removal Of Intracardiac Ischemia Monitoring System, Including All Imaging Supervision And Interpretation; Electrode Only	All

0532T	Removal Of Intracardiac Ischemia Monitoring System, Including All Imaging Supervision And Interpretation; Implantable Monitor Only	All
0533T	Continuous Recording Of Movement Disorder Symptoms, Including Bradykinesia, Dyskinesia, And Tremor For 6 Days Up To 10 Days; Includes Set-Up, Patient Training, Configuration Of Monitor, Data Upload, Analysis And Initial Report Configuration, Download Review, Interpretation And Report	All
0534T	Continuous Recording Of Movement Disorder Symptoms, Including Bradykinesia, Dyskinesia, And Tremor For 6 Days Up To 10 Days; Set-Up, Patient Training, Configuration Of Monitor	All
0535T	Continuous Recording Of Movement Disorder Symptoms, Including Bradykinesia, Dyskinesia, And Tremor For 6 Days Up To 10 Days; Data Upload, Analysis And Initial Report Configuration	All
0536T	Continuous Recording Of Movement Disorder Symptoms, Including Bradykinesia, Dyskinesia, And Tremor For 6 Days Up To 10 Days; Download Review, Interpretation And Report	All
0541T	Myocardial Imaging By Magnetocardiography (Mcg) For Detection Of Cardiac Ischemia, By Signal Acquisition Using Minimum 36 Channel Grid, Generation Of Magnetic-Field Time-Series Images, Quantitative Analysis Of Magnetic Dipoles, Machine Learning-Derived Clinical Scoring, And Automated Report Generation, Single Study;	All

0542T	Myocardial Imaging By Magnetocardiography (MCG) For Detection Of Cardiac Ischemia, By Signal Acquisition Using Minimum 36 Channel Grid, Generation Of Magnetic-Field Time-Series Images, Quantitative Analysis Of Magnetic Dipoles, Machine Learning-Derived Clinical Scoring, And Automated Report Generation, Single Study; Interpretation And Report	All
0543T	Transapical Mitral Valve Repair, Including Transthoracic Echocardiography, When Performed, With Placement Of Artificial Chordae Tendineae	All
0545T	Transcatheter Tricuspid Valve Annulus Reconstruction With Implantation Of Adjustable Annulus Reconstruction Device, Percutaneous Approach	All
0546T	Radiofrequency Spectroscopy, Real Time, Intraoperative Margin Assessment, At Time Of Partial Mastectomy, With Report	All
0547T	Bone-Material Quality Testing By Microindentation(S) Of The Tibia(S), With Results Reported As A Score	All
0548T	Transperineal Periurethral Balloon Contenance Device; Bilateral Placement, Including Cystoscopy And Fluoroscopy	All
0549T	Transperineal Periurethral Balloon Contenance Device; Unilateral Placement, Including Cystoscopy And Fluoroscopy	All
0550T	Transperineal Periurethral Balloon Contenance Device; Removal, Each Balloon	All
0551T	Transperineal Periurethral Balloon Contenance Device; Adjustment Of Balloon(S) Fluid Volume	All

0553T	Percutaneous Transcatheter Placement Of Iliac Arteriovenous Anastomosis Implant, Inclusive Of All Radiological Supervision And Interpretation, Intraprocedural Roadmapping, And Imaging Guidance Necessary To Complete The Intervention	All
0554T	Bone Strength And Fracture Risk Using Finite Element Analysis Of Functional Data, And Bone-Mineral Density, Utilizing Data From A Computed Tomography Scan; Retrieval And Transmission Of The Scan Data, Assessment Of Bone Strength And Fracture Risk And Bone Mineral Density, Interpretation And Report	All
0555T	Bone Strength And Fracture Risk Using Finite Element Analysis Of Functional Data, And Bone- Mineral Density, Utilizing Data From A Computed Tomography Scan; Retrieval And Transmission Of The Scan Data	All
0556T	Bone Strength And Fracture Risk Using Finite Element Analysis Of Functional Data, And Bone-Mineral Density, Utilizing Data From A Computed Tomography Scan; Assessment Of Bone Strength And Fracture Risk And Bone Mineral Density	All
0557T	Bone Strength And Fracture Risk Using Finite Element Analysis Of Functional Data, And Bone- Mineral Density, Utilizing Data From A Computed Tomography Scan; Interpretation And Report	All
0558T	Computed Tomography Scan Taken For The Purpose Of Biomechanical Computed Tomography Analysis	All
0559T	Anatomic Model 3D-Printed From Image Data Set(S); First Individually Prepared And Processed Component Of An Anatomic Structure	All

0560T	Anatomic Model 3D-Printed From Image Data Set(S); Each Additional Individually Prepared And Processed Component Of An Anatomic Structure (List Separately In Addition To Code For Primary Procedure)	All
0561T	Anatomic Guide 3D-Printed And Designed From Image Data Set(S); First Anatomic Guide	All
0562T	Anatomic Guide 3D-Printed And Designed From Image Data Set(S); Each Additional Anatomic Guide (List Separately In Addition To Code For Primary Procedure)	All
0563T	Evacuation of meibomian glands, using heat delivered through wearable, open-eye eyelid treatment devices and manual gland expression, bilateral (For evacuation of meibomian gland using manual gland expression only)	H04.121-H04.129
0564T	Oncology, Chemotherapeutic Drug Cytotoxicity Assay Of Cancer Stem Cells (Cscs), From Cultured Cscs And Primary Tumor Cells, Categorical Drug Response Reported Based On Percent Of Cytotoxicity Observed, A Minimum Of 14 Drugs Or Drug Combinations	All
0565T	Autologous Cellular Implant Derived From Adipose Tissue For The Treatment Of Osteoarthritis Of The Knees; Tissue Harvesting And Cellular Implant Creation	All
0566T	Injection Of Cellular Implant Into Knee Joint Using Ultrasound Guidance, Unilateral	All
0567T	Permanent Fallopian Tube Occlusion With Degradable Temporary Biopolymer Implant, Trans-Cervical Approach, Including Transvaginal Ultrasound	All
0568T	Introduction Of Mixture Of Saline And Air For Sonosalpingography To Confirm Occlusion Of Fallopian	All
0569T	Transcatheter Tricuspid Valve Repair, Percutaneous Approach; Initial Prosthesis	All

0570T	Each Additional Prosthesis During Same Session (List Separately)	All
0581T	Ablation, Malignant Breast Tumor(S), Percutaneous, Cryotherapy, Including Imaging Guidance When Performed, Unilateral	All
0582T	Transurethral Ablation Of Malignant Prostate Tissue By Direct Current Heated High Energy Water Vapor Thermotherapy, Including Intraoperative Imaging And Needle Guidance	All
0583T	Tympanostomy (Requiring Insertion Of Ventilating Tube), Using An Automated Tube Delivery System, Iontophoresis Local Anesthesia	All
0587T	Percutaneous Implantation Or Replacement Of Integrated Neurostimulation System Including Electrode Array And Receiver Or Pulse Generator, Including Analysis, Programming, And Imaging Guidance When Performed, Posterior Tibial Nerve	All
0588T	Revision Or Removal Of Integrated Neurostimulation System Including Electrode Array And Receiver Or Pulse Generator, Including Analysis, Programming, And Imaging Guidance When Performed, Posterior Tibial Nerve	All
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	All

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	All
0594T	Osteotomy, humerus, with insertion of an externally controlled intramedullary lengthening device, including intraoperative imaging, initial and subsequent alignment assessments, computations of adjustment schedules, and management of the intramedullary lengthening device	All
0596T	Temporary female intraurethral valve-pump (ie, voiding prosthesis); initial insertion, including urethral measurement	All
0597T	Temporary female intraurethral valve-pump (ie, voiding prosthesis); replacement	All
0598T	Noncontact real-time fluorescence wound imaging, for bacterial presence, location, and load, per session; first anatomic site (eg, lower extremity)	All
0599T	Noncontact real-time fluorescence wound imaging, for bacterial presence, location, and load, per session; each additional anatomic site (eg, upper extremity) (List separately in addition to code for primary procedure)	All

0602T	Glomerular filtration rate (GFR) measurement(s), transdermal, including sensor placement and administration of a single dose of fluorescent pyrazine agent	All
0603T	Glomerular filtration rate (GFR) monitoring, transdermal, including sensor placement and administration of more than one dose of fluorescent pyrazine agent, each 24 hours	All
0604T	Optical coherence tomography (OCT) of retina, remote, patient-initiated image capture and transmission to a remote surveillance center unilateral or bilateral; initial device provision, set-up and patient education on use of equipment	All
0605T	Optical coherence tomography (OCT) of retina, remote, patient-initiated image capture and transmission to a remote surveillance center unilateral or bilateral; remote surveillance center technical support, data analyses and reports, with a minimum of 8 daily recordings, each 30 days	All
0606T	Optical coherence tomography (OCT) of retina, remote, patient-initiated image capture and transmission to a remote surveillance center unilateral or bilateral; review, interpretation and report by the prescribing physician or other qualified health care professional of remote surveillance center data analyses, each 30 days	All
0607T	Remote monitoring of an external continuous pulmonary fluid monitoring system, including measurement of radiofrequency-derived pulmonary fluid levels, heart rate, respiration rate, activity, posture, and cardiovascular rhythm (eg, ECG data), transmitted to a remote 24-hour attended surveillance center; set-up and patient education on use of equipment	All

0608T	Remote monitoring of an external continuous pulmonary fluid monitoring system, including measurement of radiofrequency-derived pulmonary fluid levels, heart rate, respiration rate, activity, posture, and cardiovascular rhythm (eg, ECG data), transmitted to a remote 24-hour attended surveillance center; analysis of data received and transmission of reports to the physician or other qualified health care professional	All
0609T	Magnetic resonance spectroscopy, determination and localization of discogenic pain (cervical, thoracic, or lumbar); acquisition of single voxel data, per disc, on biomarkers (ie, lactic acid, carbohydrate, alanine, laal, propionic acid, proteoglycan, and collagen) in at least 3 discs	All
0610T	Magnetic resonance spectroscopy, determination and localization of discogenic pain (cervical, thoracic, or lumbar); transmission of biomarker data for software analysis	All
0611T	Magnetic resonance spectroscopy, determination and localization of discogenic pain (cervical, thoracic, or lumbar); postprocessing for algorithmic analysis of biomarker data for determination of relative chemical differences between discs	All
0612T	Magnetic resonance spectroscopy, determination and localization of discogenic pain (cervical, thoracic, or lumbar); interpretation and report	All
0613T	Percutaneous transcatheter implantation of interatrial septal shunt device, including right and left heart catheterization, intracardiac echocardiography, and imaging guidance by the proceduralist, when performed	All

0614T	Removal and replacement of substernal implantable defibrillator pulse generator	All
0615T	Eye-movement analysis without spatial calibration, with interpretation and report	All
0619T	Cystourethroscopy with transurethral anterior prostate commissurotomy and drug delivery, including transrectal ultrasound and fluoroscopy, when performed	All
0620T	Endovascular venous arterialization, tibial or peroneal vein, with transcatheter placement of intravascular stent graft(s) and closure by any method, including percutaneous or open vascular access, ultrasound guidance for vascular access when performed, all catheterization(s) and intraprocedural roadmapping and imaging guidance necessary to complete the intervention, all associated radiological supervision and interpretation, when performed	All
0621T	Trabeculostomy ab interno by laser	All
0622T	Trabeculostomy ab interno by laser; with use of ophthalmic endoscope	All
0623T	Automated quantification and characterization of coronary atherosclerotic plaque to assess severity of coronary disease, using data from coronary computed tomographic angiography; data preparation and transmission, computerized analysis of data, with review of computerized analysis output to reconcile discordant data, interpretation and report	All
0624T	Automated quantification and characterization of coronary atherosclerotic plaque to assess severity of coronary disease, using data from coronary computed tomographic angiography; data preparation and transmission	All

0625T	Automated quantification and characterization of coronary atherosclerotic plaque to assess severity of coronary disease, using data from coronary computed tomographic angiography; computerized analysis of data from coronary computed tomographic angiography	All
0626T	Automated quantification and characterization of coronary atherosclerotic plaque to assess severity of coronary disease, using data from coronary computed tomographic angiography; review of computerized analysis output to reconcile discordant data, interpretation and report	All
0627T	Percutaneous injection of allogeneic cellular and/or tissue-based product, intervertebral disc, unilateral or bilateral injection, with fluoroscopic guidance, lumbar; first level	All
0628T	Percutaneous injection of allogeneic cellular and/or tissue-based product, intervertebral disc, unilateral or bilateral injection, with fluoroscopic guidance, lumbar; each additional level (List separately in addition to code for primary procedure)	All
0629T	Percutaneous injection of allogeneic cellular and/or tissue-based product, intervertebral disc, unilateral or bilateral injection, with CT guidance, lumbar; first level	All
0630T	Percutaneous injection of allogeneic cellular and/or tissue-based product, intervertebral disc, unilateral or bilateral injection, with CT guidance, lumbar; each additional level (List separately in addition to code for primary procedure)	All
0631T	Transcutaneous visible light hyperspectral imaging measurement of oxyhemoglobin, deoxyhemoglobin, and tissue oxygenation, with interpretation and report, per extremity	All

0632T	Percutaneous transcatheter ultrasound ablation of nerves innervating the pulmonary arteries, including right heart catheterization, pulmonary artery angiography, and all imaging guidance	All
0633T	Computed tomography, breast, including 3D rendering, when performed, unilateral; without contrast material	All
0634T	Computed tomography, breast, including 3D rendering, when performed, unilateral; with contrast material(s)	All
0635T	Computed tomography, breast, including 3D rendering, when performed, unilateral; without contrast, followed by contrast material(s)	All
0636T	Computed tomography, breast, including 3D rendering, when performed, bilateral; without contrast material(s)	All
0637T	Computed tomography, breast, including 3D rendering, when performed, bilateral; with contrast material(s)	All
0638T	Computed tomography, breast, including 3D rendering, when performed, bilateral; without contrast, followed by contrast material(s)	All
0639T	Wireless skin sensor thermal anisotropy measurement(s) and assessment of flow in cerebrospinal fluid shunt, including ultrasound guidance, when performed	All
15780	Dermabrasion; Total Face (Eg, For Acne Scarring, Fine Wrinkling, Rhytids, General Keratosis)	L71.0-L71.9
15781	Dermabrasion; Segmental, Face	L71.0-L71.9
15782	Dermabrasion; Regional, Other Than Face	L71.0-L71.9
15783	Dermabrasion; Superficial, Any Site, (Eg, Tattoo Removal)	L71.0-L71.9
15788	Chemical Peel, Facial; Epidermal	L71.0-L71.9
15789	Chemical Peel, Facial; Dermal	L71.0-L71.9
15792	Chemical Peel, Nonfacial; Epidermal	L71.0-L71.9

15793	Chemical Peel, Nonfacial; Dermal	L71.0-L71.9
15824	Rytidectomy	G43.001-G43.919 G44.0-G44.89
15826	Glabellar Frown Lines	G43.001-G43.919 G44.0-G44.89
17000	Destruction By Any Method, Including Laser, With Or Without Surgical Curettement, All Benign Or Pr	L71.0-L71.9
17003	Destruction By Any Method, Including Laser, With Or Without Surgical Curettement, All Benign Or Pr	L71.0-L71.9
17004	Destruction By Any Method, Including Laser, With Or Without Surgical Curettement, All Benign Or Pr	L71.0-L71.9
17106	Destruction Of Cutaneous Vascular Proliferative Lesions (Eg, Laser Technique); Less Than 10 Sq Cm	L71.0-L71.9
17107	Destruction Of Cutaneous Vascular Proliferative Lesions (Eg, Laser Technique); 10.0 - 50.0 Sq Cm	L71.0-L71.9
17108	Destruction Of Cutaneous Vascular Proliferative Lesions (Eg, Laser Technique); Over 50.0 Sq Cm	L71.0-L71.9
20560	Needle Insertion(S) Without Injection(S); 1 Or 2 Muscle(S)	All
20561	Needle Insertion(S) Without Injection(S); 3 Or More Muscles	All
20974	Electrical Stimulation To Aid Bone Healing; Noninvasive (Non-Operative)	M43.22
20975	Electrical Stimulation to Aid Bone Healing; Incvasive (Operative)	M43.15-M43.17 M48.05-M48.07 M51.04-M51.9
22526	Percutaneous Intradiscal Electrothermal Annuloplasty, Unilateral Or Bilateral Including Fluoroscopic Guidance; Single Level	All
22527	Or More Additional Levels (List Separately In Addition To Code For Primary Procedure	All
22857	Total Disc Arthroplasty (Artificial Disc), Anterior Approach, Including Discectomy To Prepare Interspace (Other Than For Decompression), Single Interspace, Lumbar	All
22862	Revision Including Replacement Of Total Disc Arthroplasty (Artificial Disc), Anterior Approach, Single Interspace; Lumbar	All

22867	Insertion Of Interlaminar/Interspinous Process Stabilization/Distractio n Device, Without Fusion, Including Image Guidance When Performed, With Open Decompression, Lumbar; Single Level Second Level (List Separately In Addition To Code For Primary Procedure	All
22868	Second Level (List Separately In Addition To Code For Primary Procedure	All
22869	Insertion of interlaminar/interspinous process stabilization/distractio n device, without open decompression or fusion, including image guidance when performed, lumbar; single level	All
22870	Insertion of interlaminar/interspinous process stabilization/distractio n device, without open decompression or fusion, including image guidance when performed, lumbar; second level (List separately in addition to code for primary procedure)	All
28890	Extracorporeal Shock Wave, High Energy, Performed By A Physician, Requiring Anesthesia Other Than Local, Including Ultrasound Guidance, Involving The Plantar Fascia	M72.2 M75.20-M75.22 M77.00-M77.02 M77.10-M77.12 M84.311-M84.38 M87.051-M87.059
30130	Excision Inferior Turbinate Partial Or Complete, Any Method	G43.001-G43.919 G44.0-G44.89
30140	Submucous Resection Inferior Turbinate, Partial Or Complete, Any Method	G43.001-G43.919 G44.0-G44.89
30468	Repair of nasal valve collapse with subcutaneous/submucosal lateral wall implant(s)	All
30520	Septoplasty Or Submucous Resection, With Or Without Cartilage Scoring, Contouring Or Replacement With Graft	G43.001-G43.919 G44.0-G44.89
30660	Bronchoscopy, Rigid Or Flexible, Including Fluoroscopic Guidance, When Performed; With Bronchial Thermoplasty, 1 Lobe	All
30661	With Bronchial Thermoplasty, 2 Or More Lobes	All

31626	Bronchoscopy, Rigid Or Flexible, Including fluoroscopic Guidance, When Performed; Withplacement Of Fiducial Markers, Single Or Multiple	C34.00- C34.92
31627	Bronchoscopy, Rigid Or Flexible, Including fluoro-Scopic Guidance, When Performed; Withcomputer-Assisted, Image- Guided Navigation (List Separately In Addition To Code For Primary	C34.00- C34.92
31647	Bronchoscopy, Rigid Or Flexible, Including Fluoroscopic Guidance, When Performed; With Balloon Occlusion, When Performed, Assessment Of Air Leak, Airway Sizing, And Insertion Of Bronchial Valve(S), Initial Lobe	All
31648	With Removal Of Bronchial Valve(S), Initial Lobe	All
31649	With Removal Of Bronchial Valve(S), Each Additional Lobe (List Separately In Addition To Code For Primary Procedure).	All
31651	With Balloon Occlusion, When Performed, Assessment Of Air Leak, Airway Sizing, And Insertion Of Bronchial Valve(S), Each Additional Lobe (List Separately In Addition To Code For Primary Procedure[S])	All
31660	Bronchoscopy, Rigid Or Flexible, Including Fluoroscopic Guidance, When Performed; With Bronchial Thermoplasty, 1 Lobe	All
31661	With Bronchial Thermoplasty, 2 Or More Lobes	All
33274	Transcatheter Insertion Or Replacement Of Permanent Leadless Pacemaker, Right Ventricular, Including Imaging Guidance (Eg, Fluoroscopy, Venous Ultrasound, Ventriculography, Femoral Venography) And Device Evaluation (Eg, Interrogation Or Programming), When Performed	All
33275	Transcatheter Removal Of Permanent Leadless Pacemaker, Right Ventricular	All

33289	Transcatheter Implantation Of Wireless Pulmonary Artery Pressure Sensor For Long- Term Hemodynamic Monitoring, Including Deployment And Calibration Of The Sensor, Right Heart Catheterization, Selective Pulmonary Catheterization, Radiological Supervision And Interpretation, And Pulmonary Artery Angiography, When Performed	All
33548	Surgical Ventricular Restoration Procedure, Includes Prosthetic Patch, When Performed (Eg, Ventricular Remodeling, Svr, Saver, Dor Procedures)	I25.3 I25.5 I42.0
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)	I71.00-I71.9

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)	I71.00-I71.9
34703	Endovascular Repair Of Infrarenal Aorta And/Or Iliac Artery(les) 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)	I71.00-I71.9

34704	Endovascular Repair Of Infrarenal Aorta And/Or Iliac Artery(les) 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)	I71.00-I71.9
34705	Endovascular Repair Of Infrarenal Aorta And/Or Iliac Artery(les) 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)	I71.00-I71.9

34706	Endovascular Repair Of Infrarenal Aorta And/Or Iliac Artery(les) 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)	I71.00-I71.9
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)	I71.00-I71.9

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)	I71.00-I71.9
36012	Selective Catheter Placement, Venous System; Second Order, Or More Selective, Branch (Eg, Left Adrenal vein, petrosal sinus)	N94.89
37241	Vascular Embolization Or Occlusion Inclusive Of All Radiological Supervision And Interpretation Intraprocedural Roadmapping And Imaging Guidance Necessary To Complete The Intervention; Venous Other	N94.89
38242	Allogeneic Donor Lymphocyte Infusions	C81.00-C96.9
41512	Tongue Base Suspension, Permanent Suture Technique	G47.09-G47.39
43201	Esophagoscopy, Rigid Or Flexible; With Directed Submucosal Injection(S), Any Substance	K21.0 K21.9
43206	Esophagoscopy Rigid Or Flexible; With Optical Endomicroscopy	K22.70-K22.719 Z13.810 Z13.811 Z13.83
43210	Esophagogastroduodenoscopy Flexible Transoral; With Esophagogastric Fundoplasty Partial Or Complete Includes Duodenoscopy When Performed	K21.0 K21.9
43212	Esophagoscopy Flexible Transoral; With Placementof Endoscopic Stent (Includes Pre- And Post-Dilation And Guide Wire Passage When Performed)	K21.0 K21.9

43252	Upper Gastrointestinal Endoscopy Including Esophagus Stomach And Either The Duodenum And/Or Jejunomas Appropriate; With Optical Endomicroscopy	K22.70-K22.719 Z13.810 Z13.811 Z13.83
43257	Esophagogastroduodenoscopy Flexible Transoral; With Delivery Of Thermal Energy To The Muscle Of Lower Esophageal Sphincter And/Or Gastric Cardia For Treatment Of Gastroesophageal Reflux Disease	K21.0 K21.9
43284	Laparoscopy Surgical Esophageal Sphincter Augmentation Procedure Placement Of Sphincter Augmentation Device (Ie Magnetic Band) Including Cruroplasty When Performed	K21.0 K21.9
43285	Removal Of Esophageal Sphincter Augmentation Device	K21.0 K21.9
43647	Laparoscopy, Surgical; Implantation Or Replacement Of Gastric Neurostimulator Electrodes, Antrum	E08.43 E09.43 E10.43 E11.43 E13.43 K31.89
43648	Revision Or Removal Of Gastric Neurostimulator Electrodes, Antrum	E08.43 E09.43 E10.43 E11.43 E13.43 K31.89
43881	Implantation Or Replacement Of Gastric Neurostimulator Electrodes, Antrum, Open	E08.43 E09.43 E10.43 E11.43 E13.43 K31.89
43882	Revision Or Removal Of Gastric Neurostimulator Electrodes, Antrum, Open	E08.43 E09.43 E10.43 E11.43 E13.43 K31.89
46707	Repair Of Anorectal Fistula With Plug (Eg, Procine Small Intestine Submucosa [Sis])	K60.0-K60.5
47371	Laparoscopy, Surgical, Ablation Of 1 Or More Liver Tumor(S); Cryosurgical	C22.0-C22.9 C78.7
47381	Ablation, Open, 1 Or More Liver Tumor(S); Cryosurgical	C22.0-C22.9 C78.7
47383	Ablation, 1 Or More Liver Tumor(S), Percutaneous, Cryoablation	C22.0-C22.9 C78.7
51715	Endoscopic Injection Of Implant Material Into The Submucosal Tissues Of The Urethra And/Or Bladder Neck	N39.3 R15.0-R15.9
53854	Transurethral Destruction Of Prostate Tissue; By Radiofrequency Generated Water Vapor Thermotherapy	N40.0 N40.1

55706	Biopsies, Prostate, Needle, Transperineal, Stereotactic Template Guided Saturation Sampling, Including Imaging Guidance.	All
55880	Ablation of malignant prostate tissue, transrectal, with high intensity-focused ultrasound (HIFU), including ultrasound guidance	All
57465	Computer-aided mapping of cervix uteri during colposcopy, including optical dynamic spectral imaging and algorithmic quantification of the acetowhitening effect (List separately in addition to code for primary procedure)	All
61632	Destruction By Neurolytic Agent, Plantar Common Digital	All
61885	Insertion Or Replacement Of Cranial Neurostimulator Pulse Generator Or Receiver, Direct Or Inductive Coupling; With Connection To A Single Electrode Array	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
61886	Incision And Subcutaneous Placement Of Cranial Neurostimulator Pulse Generator Or Receiver, Direct	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
62263	Percutaneous Lysis Of Epidural Adhesions Using Solution Injection (Eg, Hypertonic Saline, Enzyme) Or Mechanical Means (Eg, Catheter) Including Radiologic Localization (Includes Contrast When Administered), Multiple Adhesiolysis Sessions; 2 Or More Days.	G96.8 G96.9
62264	Percutaneous Lysis Of Epidural Adhesions Using Solution Injection (Eg, Hypertonic Saline, Enzyme) Or Mechanical Means (Eg, Catheter) Including Radiologic Localization (Includes Contrast When Administered), Multiple Adhesiolysis Sessions; 1 Day.	G96.8 G96.9
62287	Percutaneous Decompression Procedure Of The Lumbar Spine	All

62380	Endoscopic Decompression Of Spinal Cord, Nerve Root(S), Including Laminotomy, Partial Facetomy, Foraminotomy, Discectomy And/Or Excision Of Herniated Intervertebral Disc, I Interspace, Lumbar	All
64454	Injection(S), Anesthetic Agent(S) And/Or Steroid; Genicular Nerve Branches, Including Imaging Guidance, When Performed	All
64553	Percutaneous Implantation Of Neurostimulator Electrodes; Cranial Nerve	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
64568	Incision For Implantation Of Cranial Nerve Stimulation Electrode Array And Pulse Generator	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
64569	Incision For Implantation Of Cranial Nerve Stimulation Electrode Array And Pulse Generator Revision Or Replacement	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
64570	Incision For Implantation Of Cranial Nerve Stimulation Electrode Array And Pulse Generator Removal Of The Electrode Or Generator	F32.0-F33.9 G43.0-G44.89 H93.1-H93.19 H93.A1-H93.A9 M79.7 I50-I50.9 S06-S06.9X9
64590	Insertion Or Replacement Of Peripheral Or Gastric Neurostimulator Pulse Generator Or Receiver, Direct, Or Inductive Coupling	E08.43 E09.43 E10.43 E11.43 E13.43 K31.89
64595	Revision Or Removal Of Peripheral Or Gastric Neurostimulator Pulse Generator Or Receiver	E08.43 E09.43 E10.43 E11.43 E13.43 K31.89
64624	Destruction By Neurolytic Agent, Genicular Nerve Branches Including Imaging Guidance, When Performed	All
64625	Radiofrequency Ablation, Nerves Innervating The Sacroiliac Joint, With Image Guidance (Ie, Fluoroscopy Or Computed Tomography)	All
64632	Destruction By Neurolytic Agent; Plantar Common Digital Nerve	G57.60-G57.62
64640	Destruction By Neurolytic Agent; Other Peripheral Nerve Or Branch	G57.60-G57.62
64716	Neuroplasty And/Or Transposition; Cranial Nerve (Specify)	G43.001-G43.919 G44.0-G44.89

64722	Decompression, Unspecified Nerve (Specify)	G43.001-G43.919 G44.0-G44.89
64771	Transection Or Avulsion Of Other Cranial Nerve, Extradural	G43.001-G43.919 G44.0-G44.89
64772	Transection Or Avulsion Of Other Spinal Nerve, Extradural	G43.001-G43.919 G44.0-G44.89
64910	Nerve repair; with synthetic conduit or vein allograft (eg, nerve tube), each nerve	C61 N52.0-52.9
64911	Nerve repair; with autogenous vein graft (includes harvest of vein graft), each nerve	C61 N52.0-52.9
64912	Nerve repair; with nerve allograft, each nerve, first strand (cable)	C61 N52.0-52.9
64913	Nerve repair; with nerve allograft, each additional strand (List separately in addition to code for primary procedure)	C61 N52.0-52.9
67900	Repair Of Brow Ptosis (Supraciliary, Mid-Forehead Or Coronal Approach)	G43.001-G43.919 G44.0-G44.89
75571	Computed Tomography, Heart, Without Contrast Material, With Quantitative Evaluation Of Coronary Calcium	I25.10-I25.119 I25.700-I25.799 Z13.6
76120	Cineradiography/Videoradiograp, Except Where Specifically Included	All
76125	Cineradiography/Videoradiography To Complement Routine Examination (List Separately In Addition To Code For Primary Procedure)	All
76940	Ultrasound Guidance For, And Monitoring Of, Parenchymal Tissue Ablation	C22.0-C22.9 C78.7
77085	Dual-Energy X-Ray Absorptiometry (Dxa), Bone Density Study, 1 Or More Sites; Axial Skeleton (Eg, Hips, Pelvis, Spine), Including Vertebral Fracture Assessment	M80.08 M80.88 M81.0 M81.6 M81.8 Z13.820 Z13.828
77086	Vertebral Fracture Assessment Via Dual-Energy X-Ray Absorptiometry (Dxa)	M80.08 M80.88 M81.0 M81.6 M81.8 Z13.820 Z13.828
78195	Lymphatics And Lymph Node Imaging	C50.011-C50.929 C61 R92.0-R92.8 Z12.31-Z12.39
78800	Radiopharmaceuti-Cal Localization Of Tumor Or Distribution Of Radiopharmaceutical Agent(S); Limited Area	R92.0-R92.8 Z12.31-Z12.39

78801	Radiopharmaceuti-Cal Localization Of Tumor Or Distribution Of Radiopharmaceutical Agent(S); Multiple Areas	R92.0-R92.8 Z12.31-Z12.39
78802	Radiopharmaceutical Localization Of Tumor Or Distribution Of Radiopharmaceutical Agent(S); Whole Body, Single Day Imaging	R92.0-R92.8 Z12.31-Z12.39
78804	Radiopharmaceutical Localization Of Tumor Or Distribution Of Radiopharmaceutical Agent(S); Whole Body, Requiring 2 Or More Days Imaging	R92.0-R92.8 Z12.31-Z12.39
78835	Radiopharmaceutical Quantification Measurement(S) Single Area (List Separately In Addition To Code For Primary Procedure)	All
81226	Cyp2D6 (Cytochrome P450, Family 2, Subfamily D, Polypeptide 6) (Eg, Drug Metabolism), Gene Analysis, Common Variants (Eg, *2, *3, *4, *5, *6, *9, *10, *17, *19, *29, *35, *41, *1Xn, *2Xn, *4Xn)	C50.011-C50.929 C79.81 D05.01-D05.99 D07.30-D07.39 Z13.71-Z13.79 Z85.3 Z80.3
81277	Cytogenomic Neoplasia Microarray Analysis	All
81291	Mthfr (5,10-Methylenetetrahydrofolate Reductase) (Eg, Hereditary Hypercoagulability) Gene Analysis, Common Variants (Eg, 677T, 1298C)	D68.51 D68.52 D68.59 F01-F99 G89-0-G89.4 R52 Z13.6 Z82.41 Z82.49
81313	Pca3/Klk3 (Prostate Specific Antigen 3 [Non- Protein Coding]/Kallikrein-Related Peptidase 3 [Prostate Specific Antigen]) Ratio (Eg, Prostate Cancer)	All
81400	Molecular Pathology Procedure, Level 1 (Eg, Identification Of Single Germline Variant [Eg, Snp] By Techniques Such As Restriction Enzyme Digestion Or Melt Curve Analysis) Includes The Following Test: Lct (Lactase-Phlorizin Hydrolase) (Eg, Lactose Intolerance), 13910 C>T Variant	All
81401	Apoe Common Varients	Z13.6 Z82.41 Z82.49

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) Ang (Angiogen In Ribonuclease Rnase A Family 5) (Eg Amyotrophic	I42.0 O36.0110-036.0199 Z31.82
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)	I42.0
81407	Molecular Pathology Procedure, Level 8 (Eg, Analysis Of 26-50 Exons By Dna Sequence Analysis, Mutation Scanning Or Duplication/Deletion Variants Of >50 Exons, Sequence Analysis Of Multiple Genes On One Platform)	I42.0
81415	Exome (Eg, Unexplained Constitutional Or Heritable Disorder Or Syndrome); Sequence Analysis	F70.0-F79
81416	Sequence Analysis, Each Comparator Exome (Eg, Parents, Siblings) (List Separately In Addition To Code For Primary Procedure)	F80.0-F89
81417	Re-Evaluation Of Previously Obtained Exome Sequence (Eg, Updated Knowledge Or Unrelated Condition/Syndrome)	Q00.0-Q99.9
81439	Inherited Cardiomyopathy (Eg, Hypertrophic Cardiomyopathy, Dilated Cardiomyopathy, Arrhythmogenic Right Ventricular Cardiomyopathy) Genomic Sequence Analysis Panel, Must Include Sequencing Of At Least 5 Genes, Including Dsg2, Mybpc3, Myh7, Pkp2, And Ttn (New 01/01/2017)	I42.0
81490	Autoimmune (Rheumatoid Arthritis) Analysis Of 12 B Iomarkers Using Immunoassays Utilizing Serum Prognostic Algorithm Reported As A Disease Activity Score	All

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.	I25.10 Z15.89 Z13.6
81500	Oncology (Ovarian), Biochemical Assays Of Two Proteins (Ca125 And He4), Utilizing Serum, With Menopausal Status, Algorithm Reported As A Risk Score - Is Specific To The Roma Test.	D27.0-D27.9 D39.10-D39.12 D49.511, D49.512, D49.159, D49.59 R19.01-R19.02
81503	Oncology (Ovarian), Biochemical Assays Of Five Proteins (Ca125, Apolipoprotein A1, Beta-2 Microglobulin, Transferrin And Prealbumin), Utilizing Serum, Algorithm Reported As A Risk Score - Is Specific To Ova1.	D27.0-D27.9 D39.10-D39.12 D49.511, D49.512, D49.159, D49.59 R19.01-R19.02
81504	Oncology (Tissue Of Origin), Microarray Gene Expression Profiling Of >2000 Genes, Utilizing Formalin-Fixed Paraffin Embedded Tissue, Algorithm Reported As Tissue Similarity Scores	C79.9 C80.0 C80.1
81514	Infectious disease, bacterial vaginosis and vaginitis, quantitative real-time amplification of DNA markers for Gardnerella vaginalis, Atopobium vaginae, Megasphaera type 1, Bacterial Vaginosis Associated Bacteria-2 (BVAB-2), and Lactobacillus species (L. crispatus and L. jensenii), utilizing vaginal-fluid specimens, algorithm reported as a positive or negative for high likelihood of bacterial vaginosis, includes separate detection of Trichomonas vaginalis and/or Candida species (C. albicans, C. tropicalis, C. parapsilosis, C. dubliniensis), Candida glabrata, Candida krusei, when reported	All

81518	Oncology (breast), mRNA, gene expression profiling by real-time RT-PCR of 11 genes (7 content and 4 housekeeping), utilizing formalin-fixed paraffin-embedded tissue, algorithms reported as percentage risk for metastatic recurrence and likelihood of benefit from extended endocrine therapy	All
81535	Oncology (Gynecologic), Live Tumor Cell Culture And Chemotherapeutic Response By Dapi Stand And Morphology, Predictive Algorithm Reported As A Drug Response Score; First Single Drug Or Drug Combination	C00.0-C96.9
81536	Each Additional Single Drug Or Drug Combination (List Separately In Addition To Code For Primary Procedure)	C00.0-C96.9
81538	Oncology (Lung), Mass Spectrometric 8-Protein Signature, Including Amyloid A, Utilizing Serum, Prognostic And Predictive Algorithm Reported As Good Versus Poor Overall Survival	C34.10-C34.92
81539	Oncology (High-Grade Prostate Cancer), Biochemical Assay Of Four Proteins (Total Psa, Free Psa, Intact Psa And Human Kallikrein 2 [Hk2]) Plus Patient Age, Digital Rectal Examination Status, And No History Of Positive Prostate Biopsy, Utilizing Plasma, Prognostic Algorithm Reported As A Probability Score	All
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	C79.9 C80.0 C80.1
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,	T86.20-T86.298 Z48.21 Z94.1

82107	Alpha-Fetoprotein (Afp); Afp-L3 Fraction Isoformand Total Afp (Including Ratio)	All
82172	Apolipoprotein	All
82239	Bile acids; total	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
82272	Blood, occult, by peroxidase activity (eg, guaiac), qualitative, feces, 1-3 simultaneous determinations, performed for other than colorectal neoplasm screening	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
82274	Blood, occult, by fecal hemoglobin determination by immunoassay, qualitative, feces, 1-3 simultaneous determinations	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
82397	Chemiluminescent	Z13.6 Z82.41 Z82.49
82523	Collagen Cross-Links, Any Method	M81.0-M81.8 Z13.820 Z82.62
82542	Column chromatography, includes mass spectrometry, if performed (eg, HPLC, LC, LC/MS, LC/MS-MS, GC, GC/MS-MS, GC/MS, HPLC/MS), non-drug analyte(s) not elsewhere specified, qualitative or quantitative, each specimen	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
82610	Cystatin C	All
82652	Vitamin D; 1, 25 dihydroxy, includes fraction(s), if performed	Z13.6 Z82.41 Z82.49
82656	Elastase, pancreatic (EL-1), fecal, qualitative or semi-quantitative	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
82664	Electrophoretic technique, not elsewhere specified	All
82710	Fat or lipids, feces; quantitative	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
82715	Fat differential, feces, quantitative	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89

82725	fatty acids, nonesterified	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
83006	Growth Stimulation Expressed Gene 2 (St2 Interleukin 1 Receptor Like-1)	I50.1-I50.9
83520	(Immunoassay For Analyte Other Than Infectious Agent Antibody Or Infectious Agent Antigen; Quantitative; Not Otherwise Specified)	A04.8, A04.9 F03.90, F03.91 G30.0-G30.9 G31.1 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89 R41.0 R41.81 Z13.858
83630	Lactoferrin, fecal; qualitative	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
83695	Lipoprotein (A)	Z13.6 Z82.41 Z82.49
83698	Lipoprotein-Associated Phospholipase A2 (Lp- Pla2)	Z13.6 Z82.41 Z82.49
83721	Lipoprotein, direct measurement; LDL cholesterol	All
83722	Lipoprotein, Direct Measurement; Small Dense Ldl Cholesterol	All
83880	Natriuretic Peptide	All
83937	Osteocalcin (Bone G1A Protein)	E21.0 M81.0-M81.8 M88 N25.0 Z13.820 Z82.62
83986	pH; body fluid, not otherwise specified	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
83987	pH; exhaled breath condensate	All
84080	Phosphatase, Alkaline; Isoenzymes	E21.0 M81.0-M81.8 M88 N25.0 Z13.820 Z82.62
84181	Western Blot, With Interpretation And Report	All
84311	Spectrophotometry, analyte not elsewhere specified	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
85384	Fibrinogen; Activity	Z13.6 Z82.41 Z82.49
85385	Fibrinogen; antigen	All
86141	C-Reactive Protein; High Sensitivity (Hscrp)	Z13.6 Z82.41 Z82.49

86304	Immunoassay For Tumor Antigen, Quantitative; Ca-125)	Z12.73
86305	Human Epididymis Protein 4 (He4).	All
86352	Cellular Function Assay Involving Stimulation (Eg, Mitogen Or Antigen) And Detection Of Biomarker (Eg, Atp).	T86.10-T86.819 T86.890-T86.899 Z94.0-Z94.4 Z94.83-Z94.89 Z94.9
87045	Culture, bacterial; stool, aerobic, with isolation and preliminary examination (eg, KIA, LIA), Salmonella and Shigella species	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
87046	Culture, bacterial; stool, aerobic, additional pathogens, isolation and presumptive identification of isolates, each plate	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
87075	Culture, bacterial; any source, except blood, anaerobic with isolation and presumptive identification of isolates	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
87102	Culture, fungi (mold or yeast) isolation, with presumptive identification of isolates; other source (except blood)	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
87177	Ova and parasites, direct smears, concentration and identification	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
87209	Smear, primary source with interpretation; complex special stain (eg, trichrome, iron hemotoxylin) for ova and parasites	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
87328	Infectious agent antigen detection by immunoassay technique, (eg, enzyme immunoassay [EIA], enzyme-linked immunosorbent assay [ELISA], immunochemiluminometric assay [IMCA]) qualitative or semiquantitative, multiple-step method; cryptosporidium	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89

87329	Infectious agent antigen detection by immunoassay technique, (eg, enzyme immunoassay [EIA], enzyme-linked immunosorbent assay [ELISA], immunochemiluminometric assay [IMCA]) qualitative or semiquantitative, multiple-step method; giardia	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
87336	Infectious agent antigen detection by immunoassay technique, (eg, enzyme immunoassay [EIA], enzyme-linked immunosorbent assay [ELISA], immunochemiluminometric assay [IMCA]) qualitative or semiquantitative, multiple-step method; Entamoeba histolytica dispar group	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
87426	Infectious agent antigen detection by immunoassay technique, (eg, enzyme immunoassay [EIA], enzyme-linked immunosorbent assay [ELISA], immunochemiluminometric assay [IMCA]) qualitative or semiquantitative, multiple-step method; severe acute respiratory syndrome coronavirus (eg, SARS-CoV, SARS-CoV-2 [COVID- 19])	All
88375	Optical Endomicroscopic Image(S) Interpretation And Report Real-Time Or Referred Each Endoscopic Session	K22.70-K22.719 Z13.810 Z13.811 Z13.83
89160	Meat fibers, feces	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
89161	fibers, feces	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
89240	Unlisted miscellaneous pathology test	A04.8, A04.9 K58.0, K58.1, K58.2, K58.8, K58.9 K59.8 K63.9 K90.89
90876	Application Of A Modality To One Or More Areas; Electrical Stimulation (Unattended)	F98.0 F98.1 N39.3 N39.041-N39.498 R15.9

92229	Imaging of retina for detection or monitoring of disease; point-of-care automated analysis and report, unilateral or bilateral	All
92549	Computerized Dynamic Posturography Sensory Organization Test.	All
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	All
93264	Remote Monitoring Of A Wireless Pulmonary Artery Pressure Sensor For Up To 30 Days, Including At Least Weekly Downloads Of Pulmonary Artery Pressure Recordings, Interpretation(S), Trend Analysis, And Report(S) By A Physician Or Other Qualified Health Care Professional	All
93356	Myocardial Strain Imaging	All
93701	Bioimpedance-Derived Physiologic Cardiovascular Analysis	I50.1-I50.9
93895	Quantitative Carotid Intima Media Thickness And Carotid Atheroma Evaluation, Bilateral	Z13.6
95012	Nitric Oxide Expired Gas Determination	All
95812	Electroencephalogram (EEG) extended monitoring; 41-60 minutes	F90.0-F90.9
95813	Electroencephalogram (EEG) extended monitoring; 61-119 minutes	F90.0-F90.9
95816	Electroencephalogram (EEG); including recording awake and drowsy	F90.0-F90.9
95819	Electroencephalogram (EEG); including recording awake and asleep	F90.0-F90.9

95905	Motor And/Or Sensory Nerve Conduction, Using Preconfigured Electrode Array(S), Amplitude And Latency/Velocity Study, Each Limb, Includes F-Wave Study When Performed, With Interpretation And Report.	All
95921	Testing Of Autonomic Nervous System Function; Cardiovagal Innervation (Parasympathetic Function), Including 2 Or More Of The Following: Heart Rate Response To Deep Breathing With Recorded R-R Interval, Valsalva Ratio, And 30:15 Ratio	ANY OF A LARGE NUMBER OF DIAGNOSIS CODES MIGHT APPLY TO THIS POLICY, THE FOLLOWING IS NOT A COMPLETE LIST: E10.40-E10.49 E85.1-E85.8 G61.0-G61.9 G90.01-G90.9 M32.0-M32.9 M35.00-M35.09 R55
95922	Testing Of Autonomic Nervous System Function; Vasomotor Adrenergic Innervation (Sympathetic Adrenergic Function), Including Beat-To-Beat Blood Pressure And R-R Interval Changes During Valsalva Maneuver And At Least 5 Minutes Of Passive Tilt	ANY OF A LARGE NUMBER OF DIAGNOSIS CODES MIGHT APPLY TO THIS POLICY, THE FOLLOWING IS NOT A COMPLETE LIST: E10.40-E10.49 E85.1-E85.89 G61.0-G61.9 G90.01-G90.9 M32.0-M32.9 M35.00-M35.09 R55
95923	Testing Of Autonomic Nervous System Function; Sudomotor, Including 1 Or More of The Following: Quantitative Sudomotor Axon Reflex Test (Qsart), Silastic Sweat Imprint, Thermoregulatory Sweat Test, And Changes In Sympathetic Skin Potential	ANY OF A LARGE NUMBER OF DIAGNOSIS CODES MIGHT APPLY TO THIS POLICY, THE FOLLOWING IS NOT A COMPLETE LIST: E10.40-E10.49 E85.1-E85.89 G61.0-G61.9 G90.01-G90.9 M32.0-M32.9 M35.00-M35.09 R55
95924	Testing Of Autonomic Nervous System Function; Combined Parasympathetic And Sympathetic Adrenergic Function Testing With At Least 5 Minutes Of Passive Tilt	ANY OF A LARGE NUMBER OF DIAGNOSIS CODES MIGHT APPLY TO THIS POLICY, THE FOLLOWING IS NOT A COMPLETE LIST: E10.40-E10.49 E85.1-E85.89 G61.0-G61.9 G90.01-G90.9 M32.0-M32.9 M35.00-M35.09 R55

95943	Simultaneous, Independent, Quantitative Measures Of Both Parasympathetic Function And Sympathetic Function, Based On Time-Frequency Analysis Of Heart Rate Variability Concurrent With Time-Frequency Analysis Of Continuous Respiratory Activity, With Mean Heart Rate And Blood Pressure Measures, During Rest, Paced (Deep) Breathing, Valsalva Maneuvers, And Head-Up Postural Change	ANY OF A LARGE NUMBER OF DIAGNOSIS CODES MIGHT APPLY TO THIS POLICY, THE FOLLOWING IS NOT A COMPLETE LIST: E10.40-E10.49 E85.1-E85.8 G61.0-G61.9 G90.01-G90.9 M32.0-M32.9 M35.00-M35.09 R55
95957	Digital Analysis Of Electroencephalogram (Eeg) (Eg, For Epileptic Spike Analysis)	F90.0-F90.9
95976	Electronic Analysis Of Implanted Neurostimulator Pulse Generator/Transmitter (Eg, Contact Group[S], Interleaving, Amplitude, Pulse Width, Frequency [Hz], On/Off Cycling, Burst, Magnet Mode, Dose Lockout, Patient Selectable Parameters, Responsive Neurostimulation, Detection Algorithms, Closed Loop Parameters, And Passive Parameters) By Physician Or Other Qualified Health Care Professional; With Simple Cranial Nerve Neurostimulator Pulse Generator/Transmitter Programming By Physician Or Other Qualified Health Care Professional	All

95977	Electronic Analysis Of Implanted Neurostimulator Pulse Generator/Transmitter (Eg, Contact Group[S], Interleaving, Amplitude, Pulse Width, Frequency [Hz], On/Off Cycling, Burst, Magnet Mode, Dose Lockout, Patient Selectable Parameters, Responsive Neurostimulation, Detection Algorithms, Closed Loop Parameters, And Passive Parameters) By Physician Or Other Qualified Health Care Professional; With Complex Cranial Nerve Neurostimulator Pulse Generator/Transmitter Programming By Physician Or Other Qualified Health Care Professional	All
95980	Electronic Analysis Of Implanted Neurostimulator Pulse Generator System (Eg, Rate, Pulse Amplitude And Duration, Configuration Of Wave Form, Battery Status, Electrode Selectability, Output Modulation, Cycling, Impedance And Patient Measurements), Gastric Neurostimulator Pulse Generator/Transmitter; Intraoperative, With Programming	E08.43 E09.43 E10.43 E11.43 E13.43 K31.89
95981	Subsequent, Without Reprogramming	E08.43 E09.43 E10.43 E11.43 E13.43 K31.89
95982	Subsequent, With Reprogramming	E08.43 E09.43 E10.43 E11.43 E13.43 K31.89
96904	Whole Body Integumentary Photography, Formonitoring Of High Risk Patients With Dysplasticnevus Syndrome Or A History Of Dysplastic Nevi, Orpatients With A Personal Or Familial History Of Melanoma	C43.0-C43.9 D22.0-D22.9 D23.0-D23.9
97014	Application of a modality to 1 or more areas; electrical stimulation (unattended)	F98.0 F98.1 N39.3 N39.41 -N39.498 R15.9

97032	Application Of A Modality To One Or More Areas; Electrical Stimulation (Manual), Each 15 Minutes	E08.621 E08.622 E09.621 E09.622 E10.621 E10.622 E11.621 E11.622 E13.621 E13.622 F98.0 F98.1 I83.001-I83.029 I83.201-I83.229 L00-L08.9 L89.00-L89.95 L97.10- L97.929 L98.41-L98.499 L99 N39.3 N39.41-N39.498 R15.9
97033	Ionothoresis	All
97533	Sensory integrative techniques to enhance sensory processing and promote adaptive responses to environmental demands, direct (one-on-one) patient contact, each 15 minutes	All
97610	Low Frequency, Non-Contact, Nonthermal Ultrasound, Including Topical Application(S), When Performed, Wound Assessment, And Instruction(S) For Ongoing Care, Per Day.	E08.621 E08.622 E09.621 E09.622 E10.621 E10.622 E11.621 E11.622 E13.621 E13.622 I83.001-I83.029 I83.201-I83.229 L00-L08.9 L89.00- L89.95 L98.411-L98.499 L97.10-L97.929 L98.411-L98.499
98922	Testing Of Autonomic Nervous System Function; Vasomotor Adrenergic Innervation (Sympathetic Adrenergic Function), Including Beat-To-Beat Blood Pressure And R-R Interval Changes During Valsalva Maneuver And At Least 5 Minutes Of Passive Tilt	ANY OF A LARGE NUMBER OF DIAGNOSIS CODES MIGHT APPLY TO THIS POLICY, THE FOLLOWING IS NOT A COMPLETE LIST: E10.40-E10.49 E85.1-E85.8 G61.0-G61.9 G90.01-G90.9 M32.0-M32.9 M35.00-M35.09 R55