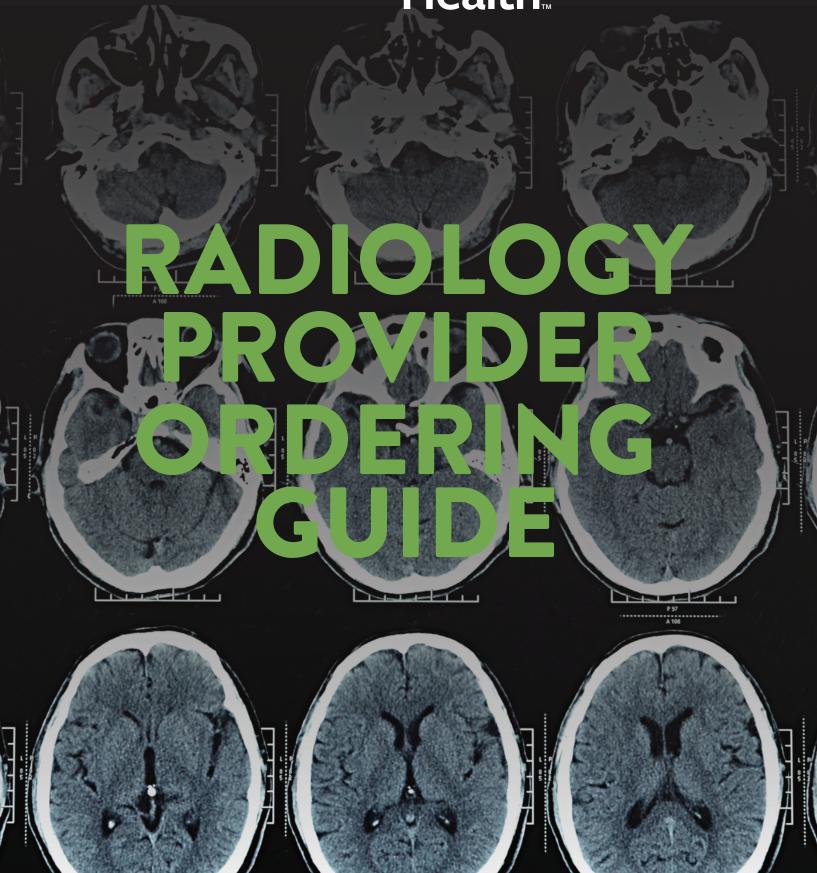
Augusta Health



The purpose of this radiology guide is to assist you with selecting the most appropriate exam for your patients. We realize your time is critical and our goal is to make the Radiology ordering process as efficient as possible. The guide is divided by imaging modalities and includes body part, indications as well as CPT codes to be used when placing an order.

When ordering an exam, please refrain from using the words rule out, evaluate, possible, or question as a primary diagnosis. It is beneficial to include signs and symptoms or specify a condition.

Please note this guide is intended to be used when referring patients to Augusta Health Radiology and does not imply protocol standards for all radiology facilities. Information in this guide is subject to change and is for reference only.

Not For Sale



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BREAST

BREAST: Screening Women

INDICATIONS	AGE	EXAM
Average-risk (<15% LTR)	Annual mammogram* ≥ 40 years of age	Supplemental US may be appropriate for women with extremely dense breast tissue.
Intermedial-risk (15-20% LTR)^	Annual mammogram ≥40 years of age	MRI or supplemental US may be appropriate.
High-risk (>20% LTR)*	Annual mammogram ≥30 years of age (starting age based on personal and family history)	MRI is appropriate > 25 year of age (starting age based on personal and family history).

^{*}Our protocol is tomosynthesis (3-D) imaging.

Screening recommendations should take into account life expectancy and comorbid conditions, with screening mammography remaining appropriate when a woman's life expectancy exceeds 5 to 7 years.

BREAST: Symptomatic Women - Palpable/Pain=Focal and Non-Cyclical^

AGE	EXAM	
≥ 40 years of age	Mamogram* first line test Ultrasound at the discretion of the radiologist	We reserve the right to alter the protocol based on clinical history, age, risk factors and symptoms
≤ 39 years of age	Ultrasound first line test Mammogram at the discretion of the radiologist	Women with a recent normal mammogram or who are pregnant may undergo only ultrasound evaluation

[^]Pain, per ACR appropriateness criteria, is not an indication for diagnostic imaging when clinically insignificant (nonfocal [greater than one quadrant], diffuse, or cyclical) without other suspicious clinical finding *Please place order for both mammogram and ultrasound

BREAST: Symptomatic Women - Nipple Discharge^

AGE	EXAM	
≥ 30 years of age	Mamogram* first line test Ultrasound at the discretion of the radiologist	We reserve the right to alter the protocol based on clinical history, age, risk factors and symptoms
≤ 30 years of age	Ultrasound first line test Mammogram at the discretion of the radiologist	Women with a recent normal mammogram or who are pregnant may undergo only ultrasound evaluation

[^]Physiologic nipple discharge does not warrant imaging

[^]Other risk factors include personal history of breast cancer, lobular neoplasia, atypical ductal hyperplasia.

^{*}Other risk factors include women with a BRCA gene mutation and their untested first-degree relatives and women with a history of chest irradiation between 10 to 30 years of age (annual mammography is recommended starting 8 years after radiation therapy but not before age 25 for women who received mantle radiation between 10 to 30 years of age)

^{**}For abnormal screening mammogram, requiring additional imaging, please place a diagnostic order for both mammogram and ultrasound

^{*}Please place order for both mammogram and ultrasound

BREAST: Symptomatic * Men - Palpable / Pain = Focal and Non-Cyclical

AGE	EXAM	
≥ 25 years of age	Mamogram* first line test Ultrasound at the discretion of the radiologist	We reserve the right to alter the protocol based on clinical history, age, risk factors and symptoms
< 25 years of age	Ultrasound* first line test Mammogram at the discretion of the radiologist	

[^]Imaging is not recommended for a male patient of any age with symptoms of gynecomastia and physical examination consistent with gynecomastia or pseudogynecomastia

BREAST: Screening Transgender (male-to-female)

INDICATION	EXAM
Average-risk with NO (or <5 years) past or current hormone use	No screening recommended
Average-risk with past or current hormone use ≥ 5 years	Annual mammogram* ≥ 40 years of age may be appropriate
Higher-than-average risk^ with NO (or <5 years) past or current hormone use	Annual mammogram*≥25-30 years of age may be appropriate
Higher-than-average risk^ with past or current hormone use ≥ 5 years	Annual mammogram*≥25-30 years of age MRI or supplemental US not appropriate

^{*}Our protocol is tomosynthesis (3-D) imaging

BREAST: Screening Transgender (female-to-male)

INDICATION	EXAM
Status post bilateral mastectomies/top-surgery	No screening recommended
Average-risk (<15% LTR)	Annual mammogram* ≥ 40 years of age
Intermedial-risk (15-20% LTR)	Annual mammogram*≥40 years of age Supplemental US may be appropriate
High-risk (>20% LTR)	Annual mammogram* ≥ 30 years of age (starting age based on personal and family history) Supplemental US may be appropriate

^{*}Our protocol is tomosynthesis (3-D) imaging.

LTR = lifetime risk

^{*}Please place order for both mammogram and ultrasound

[^]Patient with personal history of breast cancer or chest irradiation at 10 to 30 years of age, patient with genetic predisposition to breast cancer, patient with family history of breast or ovarian cancer, and untested patient with first-degree relative with genetic predisposition to breast cancer

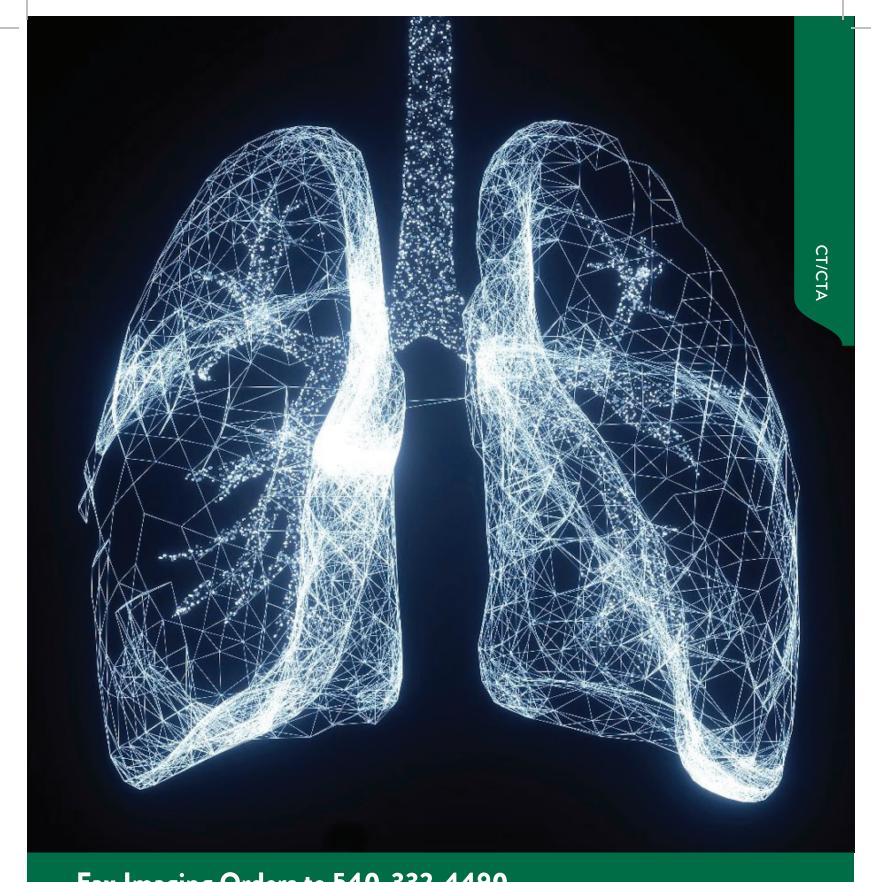
^{**}For abnormal screening mammogram, requiring additional imaging, please place a diagnostic order for both mammogram and ultrasound

^{**}For abnormal screening mammogram, requiring additional imaging, please place a diagnostic order for both mammogram and ultrasound

DEXA: BONE DENSITOMETRY

INDICATIONS	EXAM/CPT CODE
Post menopause	DEXA
Early surgical menopause	77080
Long-term current use of other medication	
• Depo	
• Seizure	
Breast Cancer	
Steroid Medication	
Long-term current use of steroid treatment	
Follow-up treatment for prevention/monitoring of	
osteoporosis	





Fax Imaging Orders to 540-332-4490

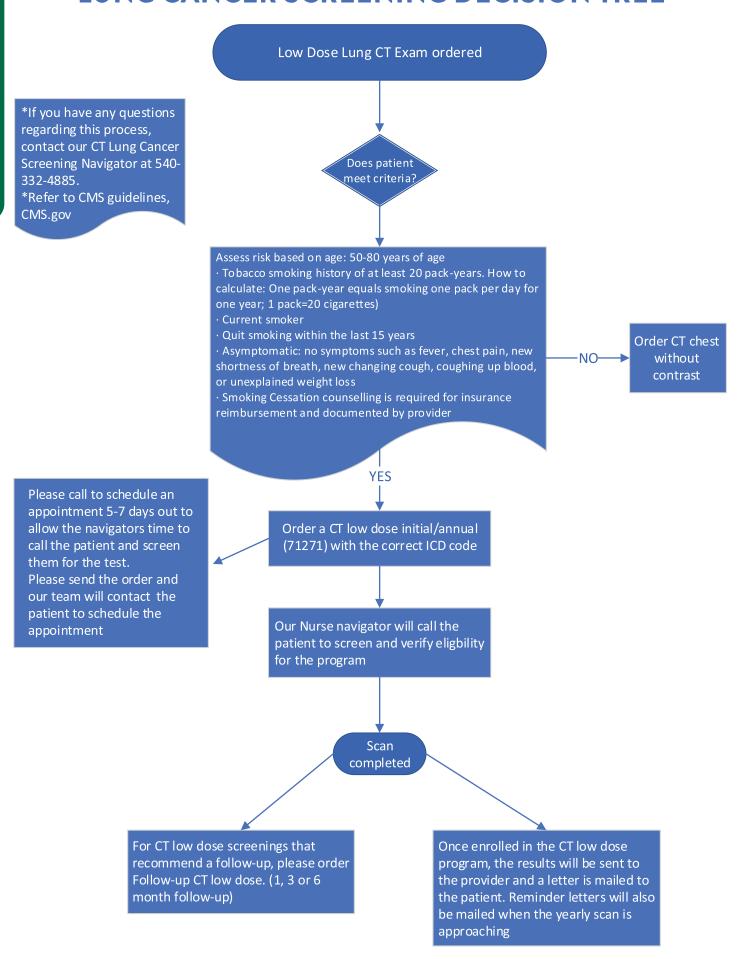
Fax Stereotactic and Ultrasound biopsy orders to 540-332-5387

Fax Screening/Diagnostic mammogram orders to 540-332-4490

Fax Interventional Radiology orders to 540-332-5645

To Schedule an Imaging Appointment call 540-332-4400

LUNG CANCER SCREENING DECISION TREE



CT CPT CODES

Orbit

70480: without contrast70481: with contrast70482: without and with

contrast

Maxillofacial

70486: without contrast 70487: with contrast 70488: without and with

contrast

Soft Tissue Neck

70490: without contrast 70491: with contrast 70492: without and with

contrast

Upper Extremity

73200: without contrast73201: with contrast73202: without and with

contrast

Lower Extremity

73700: without contrast73701: with contrast73702: without and with

contrast

Brain

70450: without contrast 70460: with contrast 70470: without and with

contrast

Chest

71250: without contrast 71260: with contrast

Abdomen

74160: with contrast74150: without contrast74170: with and without

contrast

Abdomen/Pelvis

74176: without74177: with contrast74178: with and without

Pelvis

72192: pelvis without contrast72193: pelvis with contrast72194: pelvis with and without

contrast

Lumbar Spine

72131: without contrast72132: with contrast72133: without and with

contrast

CT/CTA

CT: Spine

ANATOMY	INDICATIONS	EXAM/CPT CODE
Cervical	TraumaFractureFusionNeck Pain	CT Cervical spine without contrast 72125
	 Abscess, infection MRI recommended for disc herniation, mets, infections 	CT Cervical spine with contrast 72126
Thoracic	 Mid back pain Trauma Facture Fusion	CT Thoracic spine without contrast 72128
	Abscess, infection MRI recommended for disc herniation, mets, infections	CT Thoracic spine with contrast 72129
Lumbar/Sacral	TraumaFractureFusionBack pain	CT Lumbar spine without contrast 72131
	Abscess of infection MRI recommended for disc herniation, mets, infections	CT Lumbar spine with contrast 72132

CT: Brain

ANATOMY	INDICATIONS	EXAM/CPT CODE
Brain	 CVA Bleed Headache (new onset) Memory loss, confusion Alzheimer's Hydrocephalus Trauma Shunt check Syncope Seizures 	CT Brain without contrast 70450
	 Mass Metastatic staging Infection	CT Brain with contrast 70460 *MRI brain w/wo preferred for metastic staging or infection
Face	Trauma Fracture	CT Face without contrast 70486

ANATOMY	INDICATIONS	EXAM/CPT CODE
Pituitary	MRI unless contraindicated	CT Brain without and with contrast 70470
Sinus	SinusitisNasal polypMass	CT Sinus without contrast 70486
Temporal Bone/IAC	Cholesteatoma Hearing loss	CT inner ears, temporal bone without contrast 70480

CT: Head/Neck

ANATOMY	INDICATIONS	EXAM/CPT CODE
Orbit	Foreign bodyFractureTrauma	CT Orbit without contrast 70480
	 Cellulitis Mass Pain Pseudotumor Graves' disease Exophthalmos 	CT Orbit with contrast 70481
Neck	DysphagiaAbscessMassLymphadenopathyCancer surveillance	CT Neck with contrast 70491

CT: Chest

ANATOMY	INDICATIONS	EXAM/CPT CODE
Chest	 Lung nodule (follow-up) Pneumonia Pleural effusion Shortness of breath Dyspnea Abnormal chest X-ray Cough COPD 	CT chest without contrast 71250
	Cancer stagingHemoptysisMediastinal mass	CT chest with contrast 71260
Lung cancer screening	 LDCT lung cancer screening - must meet requirements Current smoker No longer a smoker 	CT low dose lung cancer screening 71271
	Nodule Other nonspecific abnormal finding of lung field	CT low dose follow up CTCHLDFU in Athena
Coronary calcium score	ScreeningHyperlipidemiaFamily history of early myocardial infarction	CT calcium score without contrast 75571

CT: Abdomen

ANATOMY	INDICATIONS	EXAM/CPT CODE
Abdomen	Upper abdominal painEpigastric pain	CT abdomen with contrast 74160
Abdomen: Liver	Liver massLiver hemangiomaHCC, hepatitis, cirrhosisAbnormal LFT's	CT abdomen with and without contrast (liver protocol) 74170
Abdomen: Pancreas	Pancreatic massPancreatitisPseudocysts	CT abdomen with and without contrast (pancreas protocol) 74170
Abdomen: Adrenal	Adrenal mass Adenoma	CT abdomen with and without contrast (adrenal protocol) 74170
Abdomen: Renal	Renal mass Renal pathology	CT abdomen with and without contrast (renal protocol) 74170

CT: Pelvis

ANATOMY	INDICATIONS	EXAM/CPT CODE
Pelvis (soft tissue)	PainHerniaMassInfectionLymphadenopathyCancer	CT pelvis with contrast 72193
Pelvis (bone)	InjuryFractureHip painArthritisSacral fracture	CT pelvis without contrast 72192

CT: Abdomen/Pelvis

ANATOMY	INDICATIONS	EXAM/CPT CODE
Abdomen/Pelvis	 Abdominal pain Cancer staging Appendicitis Diarrhea Diverticulitis Epigastric pain Disorders of the bowel, liver, gallbladder, pancreas Unintentional weight loss Lymphoma Hernia 	CT abdomen and pelvis with contrast 74177
Kidneys	Hematuria Kidneys, ureter, bladder	CT Urogram/IVP-(CT abdomen and pelvis with and without contrast) 74178
Urinary bladder	Bladder cancerBladder polypsBladder leak	CT cystogram 74430
Small intestine	 Tumor Fistula Bowel obstruction Abscess Small bowel issues Crohn's disease 	CT Enterography 74177

CT: Musculoskeletal

ANATOMY	INDICATIONS	EXAM/CPT CODE
Upper extremities: • Arm • Forearm • Wrist • Hand	PainBony lesionFractureArthritis	CT upper extremity without contrast (specify part) 73200
Lower extremities:	PainBony lesionFractureArthritis	CT lower extremities without contrast (specify part) 73700
Lower extremities:	Mass Infection	CT upper extremity with contrast 73201
		CT lower extremity with contrast 73701

CT: Arthrogram Joint

ANATOMY	INDICATIONS	EXAM	CPT CODE
CT Arthrogram Joint:	Ligamentous tear Labral tear Recurrent rotator cuff tear	CT arthrogram joint order acceptable or order with 3 codes	Place arthrogram in note to facility
• Hip Knee Ankle	• OCD	Upper extremity with contrast	73201 (shoulder, elbow, wrist)
		Lower extremity with contrast	73701 (hip, knee, ankle)
		Body part: • Shoulder	77002, 23350
		• Elbow	77002, 24220
		• Wrist	77002, 25246
		• Hip	77002, 27093
		• Knee • Ankle	77002, 27369 77002, 27648

CTA: Head and Neck

ANATOMY	INDICATIONS	EXAM/CPT CODE
Brain	 Aneurysm Arteriovenous malformation CVA Stroke Tia Vascular tumor Bruit 	CTA head 70496
Neck, carotid artery	 Carotid stenosis Arteriovenous malformation Bruit Vascular tumor 	CTA neck 70498
	CVAStrokeTiaVertebrobasilar insufficiency	CTA head and neck 70498 and 70496

CTA: Chest

ANATOMY	INDICATIONS	EXAM/CPT CODE
Chest: Pulmonary arteries	Pulmonary embolismChest PainShortness of breath	CTA chest with contrast (PE protocol) 71275
Chest: Thoracic aorta	Thoracic aortic dissection Thoracic aortic aneurysm Thoracic aortic dilatation	CTA chest with contrast 71275

CTA: Abdomen/Pelvis

ANATOMY	INDICATIONS	EXAM/CPT CODE
Thoracic and abdominal aorta	Aortic dissectionThoracic/abdominal aortic stent graft	CTA chest (aorta protocol) 71275 CTA abdomen and pelvis (aorta protocol) 74174
Abdomen: Abdominal aorta Mesenteric vessels	AAADissectionAcute GI bleedPost edograft or vascular surgery	CTA abdomen and pelvis with contrast 74174
Abdomen: Renal arteries	Renal artery stenosis Hypertension	CTA abdomen with contrast 74175

CTA: Extremities

ANATOMY	INDICATIONS	EXAM/CPT CODE
Upper extremity	• Ischemia	CTA upper extremity
	Arterial stenosis	73206
Lower extremity	• Loss of digit	CTA lower extremity
	Arterial emboli	73706
	Tumor invasion	
	• Trauma	
	Aneurysm	
Aorta with runoff	Peripheral artery disease	CTA bilateral lower extremity
	Claudication	runoff
		75635

CTV

ANATOMY	INDICATIONS	EXAM/CPT CODE
Head	Cerebral venous thrombosis	CTV head 70496
Abdomen/Pelvis	Iliac compression syndromePost-thrombotic syndromeVena cavaMay-Thurner syndrome	CTV abdomen/pelvis 74174
Lower Extremities	Peripheral venous disease, post-thrombotic syndrome	CTV lower extremity bilat with MIPS 73706

MRI CPT CODES

Orbit, Face, and Neck

70540: without contrast 70543: with and without

contrast

TMJ

70336

Shoulder, Elbow, and Wrist (Upper Extremity - Joint)

73221: without contrast73223: with and without

contrast

Humerus and Forearm (Upper Extremity/Non-Joint)

73218: without contrast 73220: with and without

contrast

Hip, Knee, and Ankle (Lower Extremity - Joint)

73721: without contrast73723: with and without

contrast

Thigh, Lower Leg, and Foot (Lower Extremity - Non-Joint)

73718: without contrast 73720: with and without

contrast

Brain

70551: without contrast70553: with and without

contrast

Cervical Spine

72141: without contrast

Thoracic Spine

72146: without contrast

Chest

71550: without contrast 71552: with and without

contrast

Breast

77047: without contrast 77049: with and without

contrast

Abdomen

74181: without contrast74183: with and without

contrast

Lumbar Spine

72148: without contrast 72158: with and without

contrast

Pelvis

72195: without contrast 72197: with and without

contrast

MRI/MRA

MRI: Spine

ANATOMY	INDICATIONS	EXAM/CPT CODE
Cervical	 Cervicalgia Neck pain Disc herniation/spinal stenosis Arm/shoulder pain/weakness Known syrinx Degenerative disease Radiculopathy Trauma 	MRI cervical spine without contrast 72141
	 Cancer/mets Multiple sclerosis Myelopathy Osteomyelitis/Discitis Syrnix (new, incidental, suspected) Tumor 	MRI cervical spine with and without contrast 72156
Thoracic	 Back pain Compression fracture Radiculopathy Known syrinx Disc herniation Trauma Digenerative disease 	MRI thoracic spine without contrast 72146
	 Discitis/osteomyelitis Compression fracture (cancer/mets) Multiple sclerosis Myelopathy Syrinx (new, incidental, suspected) Tumor 	MRI thoracic spine with and without contrast 72157
Lumbar	 Back pain Compression fracture Degenerative disease Disc herniation/stenosis Radiculopathy Sciatica Post-op > 2 yrs Trauma 	MRI lumbar spine without contrast 72148
	Post-op < 2 yearsDiscitis/OsteomyelitisTumor, cancer, mets	MRI lumbar with and without 72158
Sacrum/coccyx	SI joint painSacroilitisArthritis	MRI pelvis without contrast 72195

MRI: Brain

ANATOMY	INDICATIONS	EXAM/CPT CODE
Brain	 Ataxia Stroke Dementia, Alzheimer's, confusion, memory loss, Altered mental status change Headache Hydrocephalus Parkinson disease 	MRI brain without contrast 70551
	Dizziness/VertigoDemyelinating diseaseCancer/mets/massSeizuresVascular lesions	MRI brain with and without contrast 70553
Cranial nerve	Bell's palsy Trigeminal neuralgia	MRI brain with and without contrast (atten: trigeminal nerve) 70553
Innter auditory canal	Acoustic neuroma Hearing loss	MRI brain with and without contrast (atten: IAC) 70553
Pituitary	Elevated prolactin Tumor	MRI brain with and without contrast (atten: pituitary) 70553

MRI: Face/Orbits and Neck

ANATOMY	INDICATIONS	EXAM/CPT CODE
Orbits	Exophthalmos, proptosisOrbital mass/tumorOptic neuritisGraves' disease	MRI orbits with and without contrast 70543
Brachial plexus	Brachial plexus injuryNerve avulsionTumor	MRI brachial plexus with and without contrast 70543
Neck/face	PainInfectionTumor/mass/cancerVocal cord paralysis	MRI neck with and without contrast 70543

MRI: Abdomen

ANATOMY	INDICATIONS	EXAM/CPT CODE
Abdomen • Adrenal • Renal • Spleen	Adrenal MassPheochromocytomaKidney MassEnlarged speel or cyst	MRI abdomen with and without contrast 74183
Abdomen • Liver • Pancreas • Biliary tree	 Liver mass (HCC, liver mets, and indeterminate liver lesions) Unexplained jaundice, elevated alkaline phosphatase or bilirubin Biliary stones Pancreatic mass Follow up pancreatic cyst Cholangiocarcinoma Focal nodular hyperplasia (Eovist contrast) 	MRI abdomen with and without contrast with MRCP 74183 *MRCP required*

MRI: Abdomen/Pelvis

ANATOMY	INDICATIONS	EXAM/CPT CODE
Small bowel	 Inflammatory bowel disease (Crohn's disease, ulcerative colitis) Small bowel carcinoid *Initial evaluation - CT Enterography may be more appropriate* 	MRI enterography 74183 72197 *MRI abdomen/pelvis with and without contrast*
Urogram	Hematuria If contraindiction to CT	MRI urogram 74183 72197
Other	Malignancy staging *Contraindication to CT*	MRI abdomen/pelvis with and without contrast 74183 72197
Bowel (Pregnancy)	• Appendicitis	MRI abdomen without contrast 74181 MRI pelvis without contrast 72195

MRI: Pelvis

ANATOMY	INDICATIONS	EXAM/CPT CODE
Bladder	Bladder cancer staging	MRI pelvis with and without contrast (bladder protocol) 72197
Female pelvis	 Adenomyosis Cervical cancer Leiomyomas/fibroids Endometriosis Ovarian and adnexal lesions (large or complex systs) Pelvic pain Tumor/mass/mets Uterine cancer 	MRI pelvis with and without contrast 72197
Prostate	Prostate cancer Elevated PSA	MRI prostate with and without contrast w/3D rendering 72197 and 76377
	Prostate gel placement Radiation planning	MRI pelvis without contrast 72195
Rectum	Anal fistula Rectal cancer staging Perianal Abscess	MRI pelvis with and without contrast 72197
Urethra	 Urethral diverticulum Urinary frequency Mass	MRI pelvis with and without contrast 72197
Male Pelvis	Abscess/infectionPenile traumaTumorScrotum/testes	MRI pelvis with and without contrast 72197
Sacroiliac joints/coccyx	SI joint painSacroilitisArthritis	MRI pelvis without contrast 72195

MRI: Chest

ANATOMY	INDICATIONS	EXAM/CPT CODE
Chest Mediastinum	Mediastinal massChest wall mass	MRI chest with and without contrast 71552

MRI: Breast

ANATOMY	INDICATIONS	EXAM/CPT CODE
Breast	 Implant rupture (silicone only) 	MRI breast without contrast 77047
Breast	Staging cancer High risk screening Unknown primary Nipple discharge (recent mammogram and US) Neoadjuvant follow up Short term follow up (prior BR3, follow up imaging)	MRI breast with and without contrast 77049

MRI: Arthrogram Joint

ANATOMY	INDICATIONS	EXAM	CPT CODE
MRI Arthrogram Joint:	 Ligamentous tear Labral tear Recurrent rotator cuff tear OCD 	MRI Arthrogram joint with fluoro guided injection (must provide right or left).	
• Knee • Ankle	TFCC injury Post-op meniscus	Upper extremity with contrast	73222 (shoulder, elbow, wrist)
		OR	Shoulder- 77002, 23350 Elbow - 77002, 24220 Wrist - 77002, 25246
		Lower extremity with contrast	73722 (hip, knee, ankle)
			Hip - 77002, 27093 Knee - 77002,
		*Please specify in note - Arthrogram	27369 Ankle - 77002, 27648

^{*}Arthrograms should be reserved for select patients that will determine surgical management.*

MRI: Musculoskeletal

ANATOMY	INDICATIONS	EXAM/CPT CODE
Joints: • Shoulder • Elbow • Wrist • Hip • Knee • Ankle	 Achilles tendon rupture (ankle) AVN Cartilage abnormality Decreased range of motion Fracture Internal derangement Muscle/tendon abnormality Osteochondral lesion Pain, rtc tear, labral tear Plantar fasciitis Biceps tendon rupture *shoulder-proximal biceps injury *elbow-distal biceps injury 	MRI shoulder without MRI elbow without MRI wrist without 73221 MRI knee without MRI ankle without MRI hip without 73721
	InfectionInflammatory arthritisMass/lesion	MRI shoulder with and without MRI elbow with and without MRI wrist with and without 73223 MRI knee with and without MRI ankle with and without 73723
Non-Joints: • Scapula • Arm • Hand • Leg • Foot	Pain Fracture Muscle/tendon abnormality	MRI scapula without MRI arm without MRI hand without 73218 MRI leg without MRI foot without 73718
	 Abscess Osteomyelitis Cellulitis Ulcer Infection Mass/lesion Lipoma Morton's neuroma Inflammatory arthritis 	MRI scapula with and without MRI arm with and without MRI hand with and without 73220 MRI leg with and without MRI foot with and without 73720
TMJ	TMJ pain Joint disfunction	MRI TMJ without contrast 70336

MRA: Brain/Neck

ANATOMY	INDICATIONS	EXAM/CPT CODE
Cerebral arteries Communicating arteries Carotid arteries	Stroke/CVATIAVertebrobasilar insufficiencyAneurysm	MRI brain with and without contrast 70553 MRA brain without contrast 70544 MRA neck with contrast 70548
	DissectionCarotid stenosisSubclavian steal	MRA neck with and without contrast 70549
MRV: Brain	 Venous thrombosis Vascular malformation *papilledema 	MRV with and without contrast 70546

MRA: Abdomen

ANATOMY	INDICATIONS	EXAM/CPT CODE
Abdominal Aorta	Renal artery stenosisAbdominal aortic aneurysmAbdominal aortic dissection	MRA abdomen 74185

PET/CT

ANATOMY	INDICATIONS	EXAM/CPT CODE	
Brain	 Dementia evaluation FTD versus LBD versus AD pattern Recurrent tumor versus radiation necrosis 	PET/CT brain FDG F18 78608	
Skull Base to Mid-thigh	Recurrent prostate cancer, PSMA negative	Axumin PET/CT prostate 78815	
Whole Body	 Melanoma Myeloma Sarcoma Merkel cell carcinoma Cutaneous lymphoma	PET/CT 78816	
Skull base to Mid-thigh	Initial staging suspected metastases prostate cancer, suspected recurrence with elevated PSA	Pylarify PET/CT prostate Illucix 686A/PSMA-11 Axumin 78815	
Skull base to Mid-thigh	 Neuroendocrine tumors (diagnosis-restaging) Somatostatin receptor Positive tumors of hindgut, midgut, and foregut 	Detectnet Cu 64 Ditate PET/CT 78815	
Skull base to Mid-thigh	 Breast Lung Thyroid Solid tumor Colorectal, esophageal, head and neck, single pulmonary nodule, solid tumor (cervix, ovary, pancreas, sarcoma, testes) 	PET/CT skull to mid-thigh (all other diagnosis) 78815	

PET requirements

- Restaging, initial, needs to be selected or in comments.
- Clinical information such as signs and symptoms are required.
- Mark on order if sedation can be administered, and correct ICD codes.
- Prior imaging performed outside of Augusta Health are required prior to patients' appointment.
- Outside clinical notes are required four days prior to appointment.
- Initial, date, and time if changes are made.

NUCLEAR MEDICINE

ANATOMY	INDICATIONS	EXAM/CPT CODE
Nuclear Cardiac Stress Test	 Chest Pain Abnormal EKG, CHF, CAD Palpitations SOB Pre-op eval Angina pectoris CABG status Acute MI 	78452
Bone Scan 3 Phase	 Possible fracture Loosening prosthesis Osteomyelitis vs cellulitis Evaluation of relfex sympathetic dystrophy 	78315
Bone Scan Limited	 Bone/joint pain of a focal area Pelvis, ribs No known hx of cancer 	78300
Bone Scan Limited with SPEC CT	 Bone/joint pain of a focal area Pelvis, ribs No known hx of cancer 	78300, 78830
Bone Scan Whole Body	Staging, re-staging Evaluation for any type of cancer	78306
Bone Scan Whole Body SPECT/CT	 Metastatic disease Widespread bone pain Paget's Disease Arthritis	78306 78832
Gastric Emptying	 Gastroparesis Weight Loss Delayed gastric emptying Nausea, vomiting, early satiety Bloating, upper abdominal discomfort Evaluate mechanical obstruction 	78264
HIDA	 Evaluation of cholecystitis, GB inflammation, cystic or common bile ducts Evaluation of obstruction Evaluation after GB surgery for suspected leak 	78226
HIDA w/Ejection Fraction	 RUQ pain Abdominal pain Evaluation of choleycystitis or cholelithiasis obstruction Calculation of EF 	78227

ANATOMY	INDICATIONS	EXAM/CPT CODE
GI Bleed Study	Detection and localization of active abominal bleeding	78278
SPECT/CT	site	78278 78830
Parathyroid Scan with SPEC/CT	 Elevated PTH and CA+ lab results Detection/localization of parathyroid ca Detection/localization of adenomas 	78072
MUGA	 Evaluate wall motion Calculation of EF, ventricular volume, cardiac output and diastolic function Assessment of CHF Evaluation pre/post chemo or rad tx Dyspnea 	78472
Lymphoscintigraphy with SPECT/CT	 Localization of lymph node involvement for surgical intervention Melanoma 	78195 78830
Renal scan w/flow and function	 Evaluation of kidney transplant Evaluation of renal tubular function and perfusion 	78707
Renal Scan (Lasix)	 Evaluation of renal obstructive nephropathy and/or hydronephrosis Kidney transplant, renal tubular function and perfusion 	78708
Tc-WBC Labeling Scan Limited	Detection and localization of acute and chronic ortsomyolitic of focal area	78800
SPECT/CT	osteomyelitis of focal area • Acute focal abscesses Prosthesis rejection	78800 78830
Tc-WBC Labeling Scan Whole Body	Fever of unknown origin Acute inflammatory disease	78802
SPECT/CT	Differentiation of pulmonary infiltrated	78802 78830
Bone Marrow Imaging Whole Body	 Correlation with-111 leukocyte/TC 99m Ceretec scintigraphy in patients with potential osseous infections that have implanted metal in affected side. 	78104

ANATOMY	INDICATIONS	EXAM/CPT CODE
Lung Ventilation/Perfusion	Evaluation of PEPulmonary perfusionCPSOBLow O2 saturation	78582
Thyroid Cancer Ablation CONSULT FIRST	Thyroid cancer	79005
Thyroid Cancer Evaluation CONSULT FIRST	Thyroid cancer	78018
Thyroid Uptake with Scan	 Evaluation of thyroid anatomy, hyperthyroidism or hypo Toxic goiter Thyroiditis Abnormal thyroid serum results Differentiation of benign versus malignant nodules 	78014

ULTRASOUND

ULTRASOUND: General

ANATOMY	INDICATIONS	EXAM/CPT CODE
Thyroid/Neck	 Thyroid nodule Abnormal thyroid function test Palpable mass Lymphadenopathy Hyperthyroidism 	Ultrasound soft tissue of head and neck 76536
Parathyroid	AdenomaElevated calciumElevated a parathyroidhormone	Nuclear medicine parathyroid first 78072 Ultrasound parathyroid 76536 *Both exams can be scheduled on the same day.*
Abdomen	 Abdominal, flank, and/or back pain Hepatosplenomegaly Jaundice 	Ultrasound abdomen complete 76700
	 Right upper quadrant pain Gallstones Abnormal liver function test Liver lesion 	Ultrasound abdomen limited (RUQ) 76705
Aorta	Abdominal aortic aneurysm symptomatic or follow up	Ultrasound aorta or retroperitoneal limited 76775
	Abdominal aortic aneurysm: screening	Ultrasound Medicare screening 76706
Appendix (Pediatric patients only 130 lbs or less)	Right lower quadrant pain	Ultrasound abdomen limited 76705
Pelvis: Female	Pelvic painPelvic massAbnormal bleedingDysmenorrhea	Ultrasound pelvis: transabdominal and/or transvaginal 76856 - transabdominal 76830 - transvaginal
Obstetric	 ER only First trimester pregnancy: dating and/or viability Bleeding/pain in first trimester 	Ultrasound OB less than 14 weeks *Transvaginal needed for visualization* 76801, *76817
Bladder	Bladder mass/stone	Ultrasound bladder 76775
	Pre and post voidUrinating frequently	Ultrasound bladder 51798

ANATOMY	INDICATIONS	EXAM/CPT CODE
Liver	 Liver fibrosis RUQ, elevated liver enzymes Steatosis Hepatitis C 	Elastography 76981 If US abdomen limited hasn't been done within 6 months, order in conjunction with US elastography.
Extremity	Soft tissue Lumps	Arm non-vascular Leg non-vascular 76882
Kidneys	Flank or back painHematuriaFollow up of kidney and/or bladder pathology	Ultrasound renal 76775
Scrotum and Contents	 Scrotal pain, including but not limited to: testicular trauma, ischemia/torsion, infectious or inflammatory scrotal disease Palpable scrotal or testicular mass 	Ultrasound scrotum 76870
Pediatric Hip	 Breech presentation at birth Abnormal or equivocal findings of hip instability on physical exam of the hip Family history of DDH Neuromuscular conditions Monitoring infants with DDH 	Ultrasound hip 76885
Pediatric abdomen	Pyloric stenosisProjectile vomitingWeight lossFailure to thrive	Ultrasound abdomen limited 76705

ULTRASOUND: Arterial/Venous

ANATOMY	INDICATIONS	EXAM/CPT CODE
Carotid (Vascular Lab)	 Amaurosis fugax Arterial vascular disease Ataxia HTN Hyperlipidemia Stenosis TIA 	Carotid duplex/doppler
Renal Artery (Vascular Lab)	Renal after stenosisEssential HTNUncontrolled HTN	Renal artery duplex/doppler
Arterial-venous Extremity (Vascular Lab)	Preoperative vessel assessment prior to hemodialysis	Arterial and venous duplex, extremity Unilateral Bilateral
Abdominal (General Radiology)	Portal HTN Portal Venous thrombosis	Abdominal duplex/doppler 93975
	• TIPS	Abdominal duplex/doppler 93975
Abdomen: Porto Hepatic, Mesenteric Vasculature (General Radiology)	Portal vein hypertension/thrombosis	Abdomen doppler 93975
Venous Upper and Lower Extremity (General Radiology)	 DVT Upper and lower extremity swelling/pain Redness 	Venous duplex/doppler Unilateral -93971 Bilateral - 93970 *Specify upper or lower, bilateral, right, left with indication for each*

^{*}Vascular appointments call - 540-332-4127 Fax vascular orders to 540-332-4097

INTERVENTIONAL RADIOLOGY

COMPLAINT	EXAM
Wound Care: delayed healing from venous stasis or arterial insufficiency	Arterial: • Angioplasty, stent, atherectomy
	Venous: • Thermal vein ablation • Nonthermal vein ablation
Peripheral Arterial Disease (PAD)	Angiography, angioplasty, stent, atherectomy
Symptomataic Varicose Veins	Thermal vein ablation Non-thermal vein ablation Injection sclerotherapy
Vertebral Compression Fracture	Vertebral augmentation (kyphoplasty) Vertebroplasty • Thoracic • Lumbar • Sacroplasty
Interventional Oncology	Chomoembolization Tumor ablation PleurX catheter placement/management Percutaneous biopsy
Dialysis Access	AV fistula/graft de-clotAV fistula/graft angioplasty and stentDialysis catheter placement
GU	Nephrostomy tube placement and maintenance Nephroureteral stent placement and maintenance
Thromboembolic Disease	 IVC filter placement IVC filter retrieval Venous Thrombolysis Pulmonary artery thrombolysis
Symptomatic Uterine Fibroids	Uterine fibroid embolization
Pain Management	Facet injection Spinal epidural steroid injection Sacroiliac joint injection Joint injection Bursa injection Piriformis injection Barbotae for calcific tendinitis Muscle dry needling Paravertebral injection-Lumbar nerve root Paravertebral injection-Cervical/Thoracic nerve root

COMPLAINT	EXAM
Abnormal Fluid Collections	Thoracentesis/paracentesis Image duided needle aspiration, drain placement and drain management
Pelvic Congestion Syndrome	Ovarian vein embolization
Varicocele	Gonadal vein embolization
Renovascular Hypertension	Renal artery stent/angioplasty
GI	 Gastrostomy tube placement and maintenance Gastrojejunostomy tube placement and maintenance NG tube placement
Additional: Diagnostic Neuro	Lumbar punctureMyelogram-CervicalMyelogram-ThoracicMyelogram-Lumbar
Additional:	Indwelling centesis catheter placement (PleurX tunneled catheter) • Pleural • Abdominal • Hospice or home health referral initiated
	Thyroid Biopsy • FNA • Core • Radiologist discretion
	Thyroid cyst aspiration or injection
	Needle Biopsy - call 540-332-4434 for codes
	CVC patency check
	Tenotomy-ultrasound guided

^{*}Please call 540-332-4434 for scheduling or additional questions.

FLUOROSCOPY EXAMS

ANATOMY	INDICATIONS	EXAM/CPT CODE
Colon	Stricture Fistula Post-Op	Barium enema single 74270
Colon/Rectum	Failed colonoscopy	Barium enema with air contrast: double 74280
Colon/Rectum	CancerLeakPost-Op	Barium enema with gastroview: single 74270
Esophagus/UGI	HeartburnGastric refluxAspirationDifficulty swallowing	Barium swallow with air contrast 74221
Esophagus/UGI	DysphagiaEpigastric painNeck injury	Barium swallow: single contrast 74221
Esophagus	• Dysphagia	Modified barium swallow (with speech) 74230
UGI	 Heartburn Ulcer Gastric reflux Epigastric pain Hernia Vomiting	GI series with air contrast 74246
UGI	Abdominal painHerniaCrohn's disease	GI with air contrast with small bowel 74246 74248
Uterus/Fallopian Tubes	Fallopian tube pregnancy Infertility work-up	Hysterosalpingogram 74740 58340
Small bowel	SBOCrohn's DiseaseHernia	Small bowel series 74250

ANATOMY	INDICATIONS	EXAM/CPT CODE
Urethra/Bladder	 UTI Dysuria Pyelonephritis Hydronephrosis Hematuria Pelvic floor dysfunction Renal failure Bladder outlet obstruction 	Voiding cystourethrogram 74455 51600
Esophagus	Urinary incontinence Achalasia	Timed barium swallow 74221

X-RAY

BODY PART	VIEW	CODE
Abdomen	1 view supine	74018
Abdomen	2 view supine/upright or DECUB	74019
Abdomen	2 view supine/upright or DECUB + 1 view CXR; Acute abdomen series	74022
AC Joints	Always BILAT	73050
Ankle	3 view left	73610L
Ankle	3 view right	73610R
Bone Age	1 view non-dominate hand PA	77072
Bone Length	Leg length study; ie. Scanogram	77073
Bone Survey	For cancer, complete	77075
Bone Survey	For infant (<12 months)	77076
Calcaneous	2 view left	73650L
Calcaneous	2 view right	73650R
Chest	1 view AP only	71045
Chest	2 view PA/LAT	71046
Chest	3 view PA/LAT/DECUB	71047
Chest	4 view PA/LAT/BILAT DECUB	71048
Clavicle	2 view left	73000L
Clavicle	2 view right	73000R
C-Spine	2-3 view AP/LAT/OPEN MO	72040
C-Spine	2-3 view FLEX/EXT only	72040
C-Spine	4-5 view /Complete	72050
C-Spine	6 or more views complete with FLEX/EXT	72052
Elbow	3 view min left	73080L
Elbow	3 view min right	73080R
Eye FB	2 view Caldwell/LAT	70030
Facial Bones	Complete	70150
Femur	2 or more views	73552
Finger	3 view left	73140L
Finger	3 view right	73140R
Foot	3 view left	73630L
Foot	3 view right	73630R
Forearm	2 view left	73090L
Forearm	2 view right	73090R
Hand	3 view left	73130L
Hand	3 view right	73130R
Hand	3 view BILAT	73130BILAT
Hip/Pelvis Combo	2-3 view hip UNI, may include pelvis	73502
Hip/Pelvis Combo	5 or more view hips BILAT, may include pelvis	73502

BODY PART	VIEW	CODE
Humerus	2 view left	73060L
Humerus	2 view right	73060R
Knee	1-2 view left	73560L
Knee	1-2 view right	73560R
Knee	3 view left	73562L
Knee	3 view right	73562R
Knee BILAT Combo	1 view BILAT AP standing	73565
Lower Ext; Infant (<12 months)	2 view left	23592L
Lower Ext; Infant (<12 months)	2 view right	23592R
L-Spine	2-3 view AP/LAT/SPOT	72100
L-Spine	4-5 view min	72110
L-Spine	7 view complete (includes bending views)	72114
L-Spine	2-3 view bending FLEX/EXT/Neutral only	72120
Mandible	4 view min complete	70110
Mastoids	3 view min complete	70130
Nasal Bones	3 view min complete	70160
Neck; Soft Tissue	1-2 view AP/LAT	70360
Pelvis	1-2 view limited	72170
Pelvis	3 view complete	72190
Ribs	3 view UNI left or UNI left + chest 3 view min	71101L
Ribs	4 view UNI right or UNI right + chest 3 view min	71101R
Ribs	4 view BILAT or BILAT + chest 4 view min	71111
Sacrum/Coccyx	2 view min AP/LAT	72220
SC Joints	3 view min PA both OBL	71130
Scapula	2 view left	73010L
Scapula	2 view right	73010R
Scolosis Series	2-3 view (first scolosis study)	72082
Shoulder	2 view left	73030L
Shoulder	2 view right	73030R
SI Joints	3 view min BILAT	72202
Sinuses (13yr+)	3 view min complete	70220
Sinuses (2-13 yrs)	1-2 view limited	70210
Skull	1-3 view limited	70250
Skull	4 view min complete	70260
Sternum	2 view min LAT/OBL	71120
Tib/fib	2 view left	73590L
Tib/Fib	2 view right	73590R
TMJ	3 view BILAT	70330

BODY PART	VIEW	CODE
Toe	2 view min left	73660L
Toe	2 view min right	73660R
T-Spine	2 view AP/LAT	72070
T-Spine	2 view AP/LAT/SWIM	72072
Upper Ext: Infant (<12 months)	2 view min left	73092L
Upper Ext: Infant (<12 months)	2 view min right	73092R
Wrist	3 view left	73110L
Wrist	3 view right	73110R

