

MRI CT

DIAGNOSTICS



PHYSICIANS GUIDE

To ensure the patient is provided with top care, please provide the following when prescribing an examination:

1. Complete and current clinical notes
2. Complete and current patient insurance information
3. Complete and current patient demographics
4. Specify any particular condition or entity upon which should be addressed in the patient's examination report.

MRI SAFETY CHECKLIST

At this time, we do not have the capabilities to MRI patients with the following:

1. Pacemaker/Defibrillator
2. Harrington Rods
3. Breast Tissue Expanders

We need OP notes and/or Make and Model of implants for the following surgeries:

1. Any heart, lung or brain surgeries
2. Any ear surgeries
3. Any aneurysm or vascular surgery
4. Eye surgeries (not including cataract surgery)
5. Spine surgeries
6. Any surgically implanted devices. ex. (RFID chips, Monitors, Bone Stimulator, Spine Stimulator)'

Before your appointment, we need to know about the following:

- Any history of a gunshot wound to the body
- Any Shrapnel, metal fragments anywhere in body.
- Any injury to your eye with metal
- If you have ingested a small camera for a small bowel endoscopy
- If you are currently on dialysis
- Any previous reaction to CT or MRI contrast
- Any surgeries within the last eight weeks
- Any history of cancer or major diseases
- If you are pregnant or breastfeeding

Any of these items MUST be removed prior to your MRI:

- Wigs, hairpiece, hair pins, metallic finger nail polish, magnetic eyelashes
- Body piercings
- Diabetic monitors and patches
- Dental work or hearing aides
- All jewelry
- Dermal Piercings (We can NOT scan a patient in MRI with dermal piercings)

MRI is best for:

- > Joint, Soft Tissue Injury or Infection
- > Arthrogram
- > Brachial Plexus
- > Brain Tumor or Metastases
- > Cervical Non Trauma
- > IACs
- > Spine Non Trauma
- > Multiple Sclerosis
- > Parkinson's
- > Pituitary/Sella/Orbits
- > Thoracic Non Trauma
- > Characterization of known liver masses
- > Biliary Imaging
- > Female Pelvis

CT is best for:

- > Abdominal Aortic Aneurysm
- > Trauma
- > Calcium Scoring
- > Interstitial Lung Disease/Lung Pathology
- > Intracranial Hemorrhage
- > Lung Nodule
- > Abdominal & Pelvic Pain
- > Pulmonary Embolism
- > Renal Mass/Stone
- > Sinus
- > Soft Tissue Neck
- > Carotid/Renal Artery (CTA)
- > Pancreatic Mass

Ultrasound is best for:

- > RUQ Pain
- > Pelvic Mass/Pain (female)
- > Thyroid

MRI ABDOMEN AND PELVIS

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
MRI abdomen w/ and w/o contrast	<ul style="list-style-type: none"> • Abdominal pain • Any complaint or pain related to liver, spleen, pancreas or kidneys • Common bile duct or gallbladder concerns • Pancreatic duct 	Yes	74183
MRI enterography w/ and w/o contrast	<ul style="list-style-type: none"> • Crohns disease • Inflammatory bowel disease • Ischemic bowel disease 	Yes Oral & IV Contrast	74183, 72197
MRI pelvis w/o contrast	<ul style="list-style-type: none"> • Coccyx fracture • Pubic arthralgia • Sacroiliitis • Stress fracture • Pelvis fracture • Sacral fracture • Sports hernia • If mass, needs IV Contrast 	No	72195
MRI pelvis w/ and w/o contrast (must provide PSA labs)	<ul style="list-style-type: none"> • Prostate cancer screening, staging or follow up 	Yes Needs Fleet enema	72197
MRI pelvis female GYN w/ and w/o contrast	<ul style="list-style-type: none"> • Adenomyosis • Dermoid • Fibroid • Infection or tumor • Post menopausal bleeding • Uterine mass • Cervical cancer • Family history of uterine of cervical tumor • Ovarian disease • Vaginal cancer 	Yes	72197
MRI MRCP	<ul style="list-style-type: none"> • Special visualization of pancreatic ducts & bile ducts 	No	

MRI SPINE C-spine, T- spine, L-spine

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
MRI spine w/o contrast C-spine, T-spine, L-spine	<ul style="list-style-type: none"> • Pain • Trauma/fracture • Degenerative disc disease • Radiculopathy • Herniated disc • Stenosis 	No	C-spine 72141 T-spine 72146 L-spine 72148
MRI spine w/ and w/o contrast C-spine (Does not need contrast for previous surgery) T-spine and L-spine does need contrast for surgery.	<ul style="list-style-type: none"> • Infection • Hematoma • MS • Tumor/cancer • Surgery (except C-Spine) 	Yes	C-spine 72156 T-spine 72157 L-spine 72158

MRI BRAIN/HEAD/NECK

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
MRI brain w/ and w/o contrast	<ul style="list-style-type: none"> • Bells Palsy • Hearing loss • Dizziness • Meningitis • Metastatic brain disease • Seizures • Brain tumor • Headaches (depends on associated clinical history) • Multiple sclerosis • History of cancer 	Yes	70553
MRI brain w/o contrast	<ul style="list-style-type: none"> • Ataxia • Dementia • Traumatic brain injury • CVA • Headaches (depends on associated clinical history) 	No	70551
MRI orbits only w/ and w/o contrast	<ul style="list-style-type: none"> • Loss of vision • Optic neuritis • Ocular mass or tumor • Visual disturbance 	Yes	70553 70543
MRI face/orbit, neck w/ and w/o contrast	<ul style="list-style-type: none"> • Infection of the soft tissue neck, tumor, mass or swelling 	Yes	70543

MRI ATHROGRAM

Knee, shoulder, wrist, elbow, hip and ankle

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
MRI arthrogram	<ul style="list-style-type: none"> • Ankle pain • Hip pain w/ concern for labral tear • Knee pain for unstable osteochondral lesion • Knee pain with prior arthroscopy • Elbow pain • Shoulder pain after dislocation • Concern for labral tear • Rotator cuff tear • Labral tear • Wrist pain/ ligament injury or intra articular injury 	Yes	73723 MRI joint LOWER extremity 27370 arthro injection 73223 MRI joint UPPER extremity w/contrast 23350

MRI EXTREMITIES

Please specify area of body to be scanned

Specify ex. (Bone, proximal, distal ,joint, or area of concern)

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
MRI LOWER extremity w/o contrast (thigh, calf, tibia, fibula)	<ul style="list-style-type: none"> • Fracture to non joint extremity • Myositis • Soft tissue injury • Lipoma • Pain • Stress response 	No	73718
MRI UPPER extremity w/o contrast (forearm, biceps, triceps)	<ul style="list-style-type: none"> • Fracture to non joint extremity • Myositis • Soft tissue injury • Lipoma • Pain • Stress response 	No	73218
MRI joint LOWER extremity w/o contrast (knee or ankle)	<ul style="list-style-type: none"> • Evaluate for bony or soft tissue pathology • Joint point 	No	73221
MRI w/ and w/o contrast	<ul style="list-style-type: none"> • Tumor or infection of extremity 	Yes	73220 UPPER extremity (non-joint) 73720 LOWER extremity (non-joint)

CT CHEST

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
CT chest w/o contrast	<ul style="list-style-type: none"> Follow up when contrast is contradicted Contraindication to iodine Follow up lung nodule Renal insufficiency 	No	71250
CT Chest w/o and w/ IV contrast	<ul style="list-style-type: none"> Pneumonia Cough Chronic shortness of breath Cancer Chest mass Hemoptysis 	Yes - IV	71270
CT Chest w/ IV contrast	<ul style="list-style-type: none"> Pneumonia Cough Chronic shortness of breath Cancer Chest mass Hemoptysis 	Yes - IV	71260
CT lungs- low dose screening w/o Contrast	<ul style="list-style-type: none"> Low dose lung cancer screening 	No	71271
CTA chest w/ and w/o contrast	<ul style="list-style-type: none"> Evaluate for pulmonary embolism Assess Thoracic Aorta Aortic Aneurysm 	Yes - IV	71275

CT OF THE SPINE

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
CT cervical spine w/o contrast	<ul style="list-style-type: none"> Compression fracture Trauma (cervical spine) Neck pain 	No	72125
CT lumbar spine w/o contrast	<ul style="list-style-type: none"> Compression fracture (lumbar spine) Low back pain Trauma (lumbar spine) 	No	72131
CT thoracic spine w/o contrast	<ul style="list-style-type: none"> Compression fracture Mid back pain Trauma 	No	72128

CT ABDOMEN AND PELVIS

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
CT abdomen and pelvis w/and w/o contrast (liver protocol)	<ul style="list-style-type: none"> Liver mass 	Yes - IV	74178
CT abdomen and pelvis w/and w/o contrast (adrenal protocol)	<ul style="list-style-type: none"> Adrenal mass 	Yes - IV	74170
CT abdomen and pelvis w/and w/o contrast (kidney/renal protocol)	<ul style="list-style-type: none"> Renal mass 	Yes - IV	74178
CT abdomen and pelvis w/and w/o contrast (pancreas protocol)	<ul style="list-style-type: none"> Pancreatic mass 	Yes - IV	74178
CT abdomen and pelvis w/and w/o contrast or CT abdomen w/contrast	<ul style="list-style-type: none"> Upper abdominal pain 	Yes - IV Yes Oral	74178 74160
<ul style="list-style-type: none"> CT abdomen w/o contrast can be ordered when contrast is contraindicated (i.e. renal insufficiency or allergy) 			
CT abdomen and pelvis w/o contrast or CT abdomen and pelvis w/contrast	<ul style="list-style-type: none"> Abdominal pain Adenopathy Bowel obstruction Diverticulitis Mass Appendicitis Cancer Constipation Lymph node enlargement 	Yes - IV Yes Oral	74176 74177
<ul style="list-style-type: none"> CT abdomen/pelvis can be ordered w/o contrast if contrast is contraindicated. 			
CT abdomen and pelvis w/o contrast (kidney stone protocol)	<ul style="list-style-type: none"> Flank pain Renal stone Renal stone followup 	No Drink Water	74176

*W/O & W IV contrast always preferred. Insurance and referrals may override.

CT HEAD AND NECK

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
CT of the head and brain w/o contrast	<ul style="list-style-type: none"> • Ataxia • CVA • Dementia • Headaches • Traumatic brain injury (acute) 	No	70450
CT of the head and brain w and w/o contrast (consider MRI first)	<ul style="list-style-type: none"> • Ataxia • CVA • Headaches • Brain tumor • Dementia 	Yes contrast Depends on associated clinical history	70470
CT maxillofacial w/o contrast	<ul style="list-style-type: none"> • Possible fracture • Trauma 	No	70486
CT orbit w and w/o contrast	<ul style="list-style-type: none"> • Fracture • Trauma • Swelling 	Yes - IV contrast	70480
CT sinus w/o contrast	<ul style="list-style-type: none"> • Facial pain • Sinusitis 	No	70486
CT soft tissue neck w/ and w/o contrast	<ul style="list-style-type: none"> • Lymphadenopathy • Mass • Swelling 	Yes - IV contrast	70491
CT temporal bones w/o contrast	<ul style="list-style-type: none"> • Earache • Hearing loss • Cholesteatoma 	No	70480

CT EXTREMITIES

PROCEDURE	SYMPTOMS/CONCERNS	CONTRAST	CPT CODE
CT extremity LOWER w/o contrast	<ul style="list-style-type: none"> • Fracture • Swelling • Pain 	No	73700
CT extremity UPPER w/o contrast	<ul style="list-style-type: none"> • Fracture • Swelling • Pain 	No	73200
CT Lower extremity w/ contrast	<ul style="list-style-type: none"> • R/O infection/abscess 	Yes - IV contrast	73701
CT upper extremity w/ contrast	<ul style="list-style-type: none"> • R/O infection/abscess 	Yes - IV contrast	73201

ULTRASOUND OF ABDOMEN

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
US abdominal LTD RUQ (evaluates pancreas, liver, gallbladder, CBD and right kidney)	<ul style="list-style-type: none"> • Abnormal liver test • Fatty liver • Jaundice • RUQ (right upper quadrant) pain • Evaluate for stones in gallbladder or right kidney • Nausea or vomiting • Evaluate for Liver disease 	767705
US abdomen complete (evaluates pancreas, liver, CBD, kidneys, spleen, gallbladder and aorta)	<ul style="list-style-type: none"> • Generalized abdomen pain • Abnormal liver test • Epigastric or Back pain • Nausea or vomiting • Ascites • Evaluate for abdomen mass • Jaundice • Stones in kidney or gallbladder • Evaluate for liver disease 	76700
US aorta	<ul style="list-style-type: none"> • Aorta screening • Abdominal aortic aneurysm • Abdominal bruit 	76706
US renal	<ul style="list-style-type: none"> • Abnormal kidney labs • Kidney stones • Flank pain • Hematuria • UTI • Bladder • Evaluate post void residual 	76770
Liver Elastography	<ul style="list-style-type: none"> • Checks the liver for fibrosis and stiffness 	76981

ULTRASOUND OF PELVIS

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
US pelvis Transvaginal and Transabdominal	<ul style="list-style-type: none"> • Abnormal bleeding • Bloating • Endometriosis • Pelvic pain • Mass/cyst • Fibroids 	76856 76830
US Bladder	<ul style="list-style-type: none"> • Bladder mass/stones • Evaluate bladder • Evaluate post void residual 	76857

ULTRASOUND VASCULAR

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
US arterial-Lower or Upper extremity	<ul style="list-style-type: none"> • Coldness in feet or hands • Leg or Arm Numbness or weakness • Non-healing ulcers of sores • Absent or decreased pulses • Rest Pain 	93923
US carotid duplex	<ul style="list-style-type: none"> • Bruit • Headache, confusion or stroke • Vertigo or dizziness • Hyperlipidemia • Visual disturbance 	93880
US Venous Lower or Upper Unilateral Extremity	<ul style="list-style-type: none"> • Edema • Pain in extremity • Evaluate for DVT • Redness or warmth 	93971
US Venous Lower or Upper Bilateral Extremity	<ul style="list-style-type: none"> • Edema • Pain in extremity • Evaluate for DVT • Redness or warmth 	93970
Renal Artery Duplex	<ul style="list-style-type: none"> • Evaluates Renal Arteries & Kidneys to rule out stenosis of the renal arteries • Hypertension 	93975
Mesenteric Duplex	<ul style="list-style-type: none"> • Evaluates Celiac, SMA and IMA for Stenosis • Postprandial pain 	93976
Liver Duplex	<ul style="list-style-type: none"> • Evaluates portal veins, hepatic veins and hepatic arteries • Portal hypertension • Liver transplant 	93975

ULTRASOUND SMALL PARTS / NON-VASCULAR

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
Upper/lower nonvascular extremity	<ul style="list-style-type: none"> • Joint pain • Tendon pain • Evaluate for Bakers cyst • To detect cyst, lipoma, abcess, neuroma, ganglion cyst • Evaluate for foreign body 	76882
US Thyroid, neck or salivary gland	<ul style="list-style-type: none"> • Goiter • Palpable neck mass • Abnormal thyroid tests/thyroiditis • Parotid gland evaluation • Submandibular gland evaluation • Evaluate cervical lymph nodes 	76536
US scrotum	<ul style="list-style-type: none"> • Mass • Pain • Swelling and tenderness • Evaluate for torsion, hydrocele or varicoscele 	76870
Shoulder Ultrasound	<ul style="list-style-type: none"> • Shoulder Pain • Decreased range of motion • Evaluates complete rotator cuff (Complete) • Evaluates specific or limited shoulder tendons (e.g. bicep or supraspinatus tendon) 	Complete 76881 Limited 76882
Hernia Ultrasound	<ul style="list-style-type: none"> • Evaluates for abdominal, inguinal or ventral hernia 	76705

C-ARM FLUOROSCOPY - FLURO GUIDED

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
Lumbar spine Epidural Steroid Injection (ESI) Transforaminal, Caudal, and Interlaminar	<ul style="list-style-type: none"> • Lumbar radiculopathy 	To Be Determined
Lumbar spine facet joint injections	<ul style="list-style-type: none"> • Low back pain • Lumbago 	To Be Determined
Lumbar myelogram	<ul style="list-style-type: none"> • Lumbar radiculopathy • Low back pain • Lumbago 	To Be Determined
Wrist, elbow, shoulder, hip, knee, ankle, and foot steroid injections and arthrogram	<ul style="list-style-type: none"> • Wrist pain • Elbow pain • Shoulder pain • Knee pain • Ankle pain • Foot pain 	To Be Determined

CT GUIDED

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
Sacroiliac joint	<ul style="list-style-type: none"> • Sacroiliitis • Low back pain 	To Be Determined
Acromioclavicular joint	<ul style="list-style-type: none"> • Shoulder pain 	To Be Determined
Sternoclavicular joint	<ul style="list-style-type: none"> • Shoulder and chest pain 	To Be Determined
Iliopsoas	<ul style="list-style-type: none"> • Hip pain 	To Be Determined
Piriformis	<ul style="list-style-type: none"> • Piriformis syndrome • Sciatic pain 	To Be Determined
Ischium	<ul style="list-style-type: none"> • Ischial bursitis • Buttock pain • Hamstring tendonopathy 	To Be Determined

NUCLEAR MEDICINE 1

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
Gastric Empty Study	<ul style="list-style-type: none"> Gastroduodenal disease Dumping syndrome Absorption rate Vomiting Reflux Gastroparesis 	78264
GI Bleed Scan	<ul style="list-style-type: none"> GI Bleed Rectal bleeding Bloody stool Tarry stool 	78278
HIDA	<ul style="list-style-type: none"> Bile leak Abdominal pain 	78226
HIDA with EF <i>(If gallbladder ejection fraction is desired, enter "with EF" on order, as opposed to "with CCK", "KINEVAC", "ENSURE", etc.)</i>	<ul style="list-style-type: none"> Abdominal Pain RUQ Pain Bloating Nausea Vomiting Pancreatitis R/O cholecystitis Bile duct obstruction. 	78227
Hemangioma Planar	<ul style="list-style-type: none"> Evaluation of liver masses suspected to be hemangiomas 	78201
Hemangioma SPECT	<ul style="list-style-type: none"> Evaluation of liver masses suspected to be hemangiomas 	78205
Liver/Spleen Scan	<ul style="list-style-type: none"> Abnormal liver functions Space occupying lesions Trauma Hepatic or splenic disorders Liver metastases Hepatomegaly 	78215
Liver SPECT	<ul style="list-style-type: none"> Hepatic or splenic disorders Liver metastases Hepatomegaly 	78205
Meckel's Diverticulum	<ul style="list-style-type: none"> Investigation of ectopic gastric mucosa. Bleeding involvement of the heterotopic mucosa. 	78290

NUCLEAR MEDICINE 2

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
Renal Scan Only	<ul style="list-style-type: none"> Evaluation of renal function R/O obstruction Blood in urine. 	78707
Renal Scan w/ Lasix	<ul style="list-style-type: none"> Evaluation of renal function Hydronephrosis Status post-surgery for ureteropelvic or vesicoureteral junction stenosis/obstruction. 	78708

NUCLEAR MEDICINE 3

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
3 Phase Bone Scan	<ul style="list-style-type: none"> Evaluate non-compression fracture Evaluate CRPS/RSD R/O loosening of prosthesis without concern for infection. 	78315
3 Phase Bone Scan + Indium Scan + Bone Marrow Scan	<ul style="list-style-type: none"> R/O both infection and loosening of prosthesis or to evaluate osteomyelitis without prosthetic 	78315 78803 78102
Indium Scan + Bone Marrow Scan	<ul style="list-style-type: none"> Abscess or infection of prosthesis without concern for loosening 	78803 78102
Limited Bone Scan	<ul style="list-style-type: none"> Localized bone pain (No history and/or concern for cancer and no concern for fracture) 	78300
SPECT Bone Scan	<ul style="list-style-type: none"> Back Pain Evaluate fractures of the spine Post-operative spine evaluation Infection Spondylolysis evaluation 	78803
SPECT Gallium-67 Scan + SPECT Bone Scan	<ul style="list-style-type: none"> Vertebral Osteomyelitis 	78803 78803
Whole Body Bone Scan	<ul style="list-style-type: none"> Evaluation of skeletal metastases History of cancer or of inflammatory joint disease 	78306

NUCLEAR MEDICINE 4

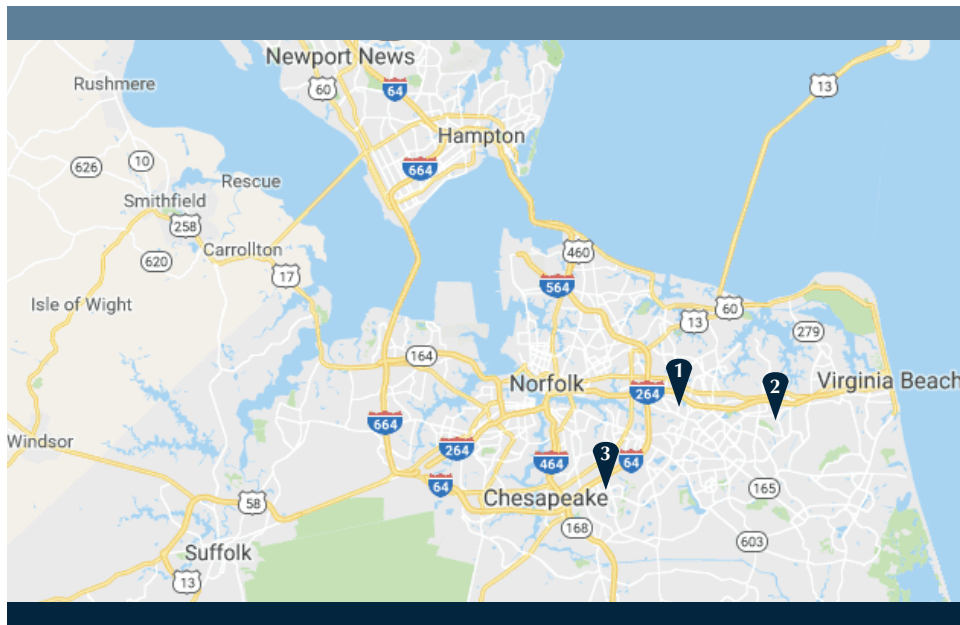
PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
Coretec WBC Study	<ul style="list-style-type: none"> FUO, Increased WBC count Sepsis/Infection 	78800
Gallium Scan-Tumor	<ul style="list-style-type: none"> Lymphoma - Hodgkin's Non-Hodgkin's 	78802
Gallium Scan Whole Body- Infection	<ul style="list-style-type: none"> FUO 	78802
Indium Scan Whole Body + Bone Marrow Scan Whole Body	<ul style="list-style-type: none"> FUO Increased WBC count Sepsis/Infection 	78802 78104
Octreoscan + Tumor Localization SPECT	<ul style="list-style-type: none"> Neuroendocrine tumor Carcinoid Pheochromocytoma Gastinoma Islet cell carcinoma Insulinoma Pituitary adenoma Small cell lung carcinoma 	78804 78803

NUCLEAR MEDICINE 5

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
Gallium Scan-Chest/ Lung + Inflammation imaging	<ul style="list-style-type: none"> • Lung infections • Sarcoidosis 	78800
Nuclear Lung Scan - V/Q Ventilation & Perfusion	<ul style="list-style-type: none"> • SOB • Chest Pain • Decreased O2 says • Evaluation for pulmonary embolism <p>***AN ORDER FOR A P/A & LATERAL CHEST X-RAY MUST ACCOMPANY ALL NUCLEAR LUNG SCANS, UNLESS PATIENT HAS HAD ONE WITHIN 24 HOURS OF THE NUCLEAR APPOINTMENT.***</p>	78582
Pulmonary Quantitative Differential Function without Ventilation Study		78597
Pulmonary Quantitative Differential Function with Ventilation Study		78598 78104

NUCLEAR MEDICINE 6

PROCEDURE	SYMPTOMS/CONCERNS	CPT CODE
Parathyroid Planar	<ul style="list-style-type: none"> • Parathyroid adenoma • Hyperparathyroidism • Hypercalcemia 	78070
Parathyroid SPECT	<ul style="list-style-type: none"> • Parathyroid adenoma • Hyperparathyroidism • Hypercalcemia 	78071



MRI CT

DIAGNOSTICS

MRI & CT DIAGNOSTICS

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