



## RADIOLOGY ORDERING TOOLKIT

UPDATED JULY 2023

## ***GOALS OF THIS TOOLKIT***

It is our goal to provide you and your patients with the very best customer service possible! Included in this service experience is providing the most appropriate and complete imaging examination. After the correct order is placed, examinations are then further tailored to each patient's specific condition. Thus, it is very important for the radiologist to be aware of the clinical question or specific condition in question so that the appropriate imaging can be performed. On page 5 of this Toolkit, you will see "Ordering Quick Tips." Please make sure you and your office physicians review these Tips and in doing so provide as much information in the imaging order to the radiologists as possible to ensure the best radiological exam and interpretation is performed for your patient.

In this guide you will find the common indications and reasons for performing certain examinations. If you follow these guidelines, it will help reduce significantly the number of re-ordered or repeat pre-certifications your office staff will have to perform. It will also help reduce costly denials for both the hospital and the radiology group. However, please note that this is a guide. As such, it will not be perfect in every clinical situation. Similarly, this guide is based on clinical best practices and does not necessarily always adhere to what 3<sup>rd</sup> Party Payers will approve.

If you have any questions about ordering imaging studies or any customer service-related question, please call Michael Langenberg at 865-803-2973 at anytime (or refer to the contact sheet in this Toolkit for other pertinent contact information).

## ***IMPORTANT CONTACT INFORMATION***

### ***CENTRAL SCHEDULING***

Tel: (865) 251-4488  
Fax: (865) 305-6131

### ***HAVE QUESTIONS ABOUT WHAT TO ORDER?***

Tel: (865) 305-4085

### ***RADIOLOGY FILE ROOM***

Tel: (865) 305-9058

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### ***RADIOLOGY BILLING***

Tel: (865) 584-7376, x 208  
Email: [rmatthews@utrad.com](mailto:rmatthews@utrad.com)  
Name: Rachel Matthews

### ***IT HELP / SUPPORT***

Tel: (865) 320-9720  
Email: [support@utrad.com](mailto:support@utrad.com)  
Name: UR IT Support Line

### ***CUSTOMER RELATIONS***

Tel: (865) 803-2973  
Email: [mlangenberg@utrad.com](mailto:mlangenberg@utrad.com)  
Name: Michael Langenberg

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### ***CT/Nuclear Medicine/PET***

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Email: [bhines@utmck.edu](mailto:bhines@utmck.edu)  
Name: Brett Hines

### ***MRI/Ultrasound***

Tel: (865) 305-9048  
Email: [svbrewer@utrad.com](mailto:svbrewer@utrad.com)  
Name: Shannon Brewer

### ***Breast Center***

Tel: (865) 305-9069  
Email: [lmbowlin@utmck.edu](mailto:lmbowlin@utmck.edu)  
Name: Leah Bowling

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### ***IR & NIR Clinic***

Tel: (865) 558-0225  
Email: [tcampbell@utrad.com](mailto:tcampbell@utrad.com)  
Name: Tania Campbell

### ***IR or NIR Procedure Scheduling***

Tel: (865) 305-6367 or 305-9029  
Email:  
Name: Sandy or Sunshine

### ***In Office X-Rays / Over-reads***

Tel: (865) 320-9720  
Email: [support@utrad.com](mailto:support@utrad.com)

## ***LOCATION DETAILS***

### ***HALLS (UD LOCATION)***

Tel: (865) 925-9060  
Fax: (865) 925-9061  
SERVICES: MRI, CT, US and XR

### ***NORTHSHORE (UD LOCATION)***

Tel: (865) 909-9050  
Fax: (865) 909-4048  
SERVICES: CT, US and XR

### ***HALL OF FAME (UD LOCATION)***

Tel: (865) 909-9050  
Fax: (865) 909-4048  
Services: MRI, CT, US, XR, DEXA,  
Arthrograms

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### ***LENOIR CITY***

Tel: (865) 251-4488  
Fax: (865) 305-6131  
Services: CT, US, DEXA

### ***SEVIERVILLE***

Tel: (865) 251-4488  
Fax: (865) 305-6131  
SERVICES: CT, US, DEXA, Nuc Med

### ***TURKEY CREEK***

Tel: (865) 251-4488  
Fax: (865) 305-6131  
SERVICES: CT and Nuc Med

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# Radiology Ordering Quick Tips

Ordering Physicians please provide all or as much of the following when ordering Imaging Studies

Information "MUST HAVE"	DESCRIPTION
<b>1. CONTEXT / SIGNS SYMPTOMS</b>	Provide ALL SIGNS AND SYMPTOMS patient is experiencing relevant to this imaging exam; include any relevant prior procedures and previous treatments, underlying conditions, history of..., what is the intent of imaging study... imaging ordered for what condition?
<b>2. REASON FOR EXAM</b>	Provide as much detail as possible around the reason for exam.
<b>3. LOCATION OF IMAGING</b>	Provide the specific anatomical sites requiring imaging such as left right, upper, outer, etc., include as much information on laterality, quadrant of organ, location of the bone, individual vessel occluded
<b>4. SEVERITY</b>	Indicate on the order whether it is Acute or Chronic, Traumatic or Non-Traumatic, Open or Closed, With or Without Hemorrhage, With or without perforation
<b>5. STORY</b>	Provide information to let radiology know what was the patient doing, where did event happen, what was patient's status at the time.

# CT / CTA ORDERING GUIDE

## CT / CTA GENERAL:

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Chest	• Lung Nodules (1 <sup>st</sup> exam)	• CT Chest Without Contrast	71250
	• Lung Nodules (1 <sup>st</sup> exam and follow-up)	• CT Chest Without Contrast	71250
	• Abnormal Chest X-ray • COPD • Cough • Esophageal CA • Hemoptysis • Lung CA • Lymphoma • Mass • Pneumonia • Shortness of Breath • Tracheal Stenosis	• CT Chest With Contrast	71260
• Chest, High Resolution	• Asbestosis • Bronchiectasis • Fibrosis • Interstitial Lung Disease • Pleural Plaques • Sarcoidosis	• CT Chest Without Contrast, High-Resolution	71250
• CTA Chest (PE Study)	• Pulmonary Embolism • Shortness of Breath • Vascular Evaluation for (must name symptom or issue in order or reason for exam)	• CTA Chest	71275
• CTA Chest & Abdomen	• Aortic Dissection • Thoracic Aortic Aneurysm	• CTA Chest and Abdomen	71275 74175
<p><i>Dr. Jeff Peeke is University Radiology's Cardiothoracic (Chest) Imaging Specialist. For questions regarding Chest Imaging, please call Dr. Peeke at 305-9548.</i></p>			



BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Neck	<ul style="list-style-type: none"> <li>• Cancer Workups</li> <li>• Dysphagia</li> <li>• Infection</li> <li>• Infection of Parotid Gland</li> <li>• Infection of Submandibular Gland</li> <li>• Lymphadenopathy</li> <li>• Mass</li> <li>• Parotid Mass</li> <li>• Parotid Stone</li> <li>• Submandibular Stone</li> </ul>	• CT Neck With Contrast	70491
• Pelvis (Soft Tissue)	<ul style="list-style-type: none"> <li>• Cancer Staging (ie follow up study)</li> <li>• Cysts</li> <li>• Hernia</li> <li>• Infection</li> <li>• Mass</li> <li>• Pain</li> </ul>	• CT Pelvis With Contrast	72193
• Pelvis (Bone)	• Fracture, Non-Arthritis	• CT Pelvis Without Contrast	72192
	• Cancer / Mass / Mets / Tumor	• CT Pelvis With Contrast	72193
• Abdomen / Pelvis	<ul style="list-style-type: none"> <li>• Kidney Stone (Stone protocol)</li> <li>• Flank Pain, Nephrolithiasis</li> </ul>	• CT Abdomen and Pelvis Without Contrast (Stone protocol)	74176
	<ul style="list-style-type: none"> <li>• Non Specific Abdominal Pain</li> <li>• Abscess</li> <li>• Hernia (ie, ventral, umbilical, inguinal)</li> <li>• Mass</li> <li>• Pelvic Congestion Syndrome</li> <li>• Right Lower Quadrant Pain</li> </ul>	• CT Abdomen and Pelvis With Contrast	74177

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
	<ul style="list-style-type: none"> <li>Any Cancer Staging</li> <li>Appendicitis</li> <li>Crohns / Ulcerative Colitis</li> <li>Chronic Diarrhea</li> <li>Diverticulitis</li> <li>IBD</li> </ul>	CT Abdomen and Pelvis With Contrast	74177
• Adrenal	Adrenal Mass	CT Abdomen With and Without Contrast	74170
• Liver	<ul style="list-style-type: none"> <li>Hepatoma, Hepatitis, Cirrhosis</li> <li>Liver Hemangioma (MR preferred)</li> </ul>	CT Abdomen With and Without Contrast (Liver protocol)	74170
• Pancreas	<ul style="list-style-type: none"> <li>Pancreatic Mass</li> <li>Pancreatitis</li> <li>Pseudocyst</li> </ul>	CT Abdomen Without and With Contrast (Pancreatic protocol 1st scan)	74170
		CT Abdomen With Contrast	74160
• Kidney	Any Renal Pathology	CT Abdomen Without and With Contrast (Renal protocol)	74170
• CT Urinary Tract	<ul style="list-style-type: none"> <li>Transitional Cell Carcinoma of Kidney and/or Bladder; hematuria</li> <li>Hematuria</li> </ul>	CT Urogram	74178
• CTA Abdomen	<ul style="list-style-type: none"> <li>Claudication</li> <li>Peripheral Artery Disease (PAD)</li> </ul>	CTA Abdomen and Run Off	75635
• Abdominal Aorta	<ul style="list-style-type: none"> <li>Mesenteric Ischemia</li> <li>Renal Artery Stenosis</li> </ul>	CTA Abdomen	74175
• Mesenteric Vessels	<ul style="list-style-type: none"> <li>AAA</li> <li>Crossing Vessels</li> <li>Stent Obstruction / Leak / Malfunction</li> </ul>	CTA Abdomen and Pelvis	74174
• Renal Arteries			

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Stent			
<p><b><i>University Radiology has a team of specialty trained Abdominal/Body Imagers including Dr. M. Imran Quraishi, Dr. Cheryl DeWitt, and Dr. Peter Petruzzi. To contact one of our Body Imaging specialists call (865) 305-4085.</i></b></p>			

## CT / CTA HEAD AND SPINE:

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Head / Brain	<ul style="list-style-type: none"> <li>• Alzheimer's</li> <li>• CVA</li> <li>• Headache Less Than 7 Days</li> <li>• Hydrocephalus</li> <li>• Memory Loss, Confusion</li> <li>• Shunt Check</li> <li>• Stroke / Bleed</li> <li>• Trauma</li> </ul>	• CT Head / Brain Without Contrast	70450
	<ul style="list-style-type: none"> <li>• Headache More Than 7 Days</li> <li>• HIV</li> <li>• Infection</li> <li>• Mass / Tumor</li> <li>• Meningioma</li> <li>• Meningitis</li> <li>• Metastatic Staging</li> <li>• Seizures</li> <li>• Toxoplasmosis meningoencephalitis</li> <li>• Vertigo / Dizziness /</li> </ul>	• CT Head / Brain With and With Contrast	70470
• CTA Brain	<ul style="list-style-type: none"> <li>• Aneurysm</li> <li>• AVM (Arterio / Venous Malformation)</li> <li>• Bruit</li> <li>• CVA</li> <li>• Stroke</li> <li>• TIA</li> <li>• Vascular Tumor</li> </ul>	• CTA Head / Brain (Reconstruction)	70496

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• <b>CTA Neck, Carotid Artery</b>	<ul style="list-style-type: none"> <li>• Bruit</li> <li>• Carotid Stenosis</li> <li>• CVA</li> <li>• TIA</li> <li>• AVM (Arterio / Vascular Malformation)</li> <li>• Vascular Tumor</li> <li>• Stroke</li> </ul>	• CTA Neck	70498
	• Vertebrobasilar Insufficiency	• CTA Head, Neck (Please authorize with both)	70498, 70496
• <b>Orbit</b>	<ul style="list-style-type: none"> <li>• Foreign Body</li> <li>• Fracture</li> <li>• Trauma</li> </ul>	• CT Orbit Without Contrast	70480
	<ul style="list-style-type: none"> <li>• Cellulitis</li> <li>• Exophthalmos</li> <li>• Graves Disease</li> <li>• Mass</li> <li>• Pain</li> <li>• Pseudo Tumor</li> </ul>	• CT Orbit With Contrast	70481
• <b>Sinus / Face</b>	<ul style="list-style-type: none"> <li>• Functional Endoscopic Sinus Surgery</li> <li>• Ostiomeatal Complex</li> <li>• Sinusitis</li> </ul>	• CT Sinus Without Contrast	70486
• <b>Spine: Cervical</b>	<ul style="list-style-type: none"> <li>• MR Recommended for Disc Herniation, Mets, Infection</li> <li>• Trauma, Fracture, Fusion</li> </ul>	• CT Cervical Spine Without Contrast	72125
• <b>Spine: Thoracic</b>	<ul style="list-style-type: none"> <li>• Assess Bony Degenerative Changes</li> <li>• MR Recommended for Disc Herniation, Mets, Infection</li> </ul>	• CT Thoracic Spine Without Contrast	72128

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• <b>Spine: Lumbar / Sacral</b>	• MR Recommended for Disc Herniation, Mets, Infection • Trauma, Fracture, Fusion, Pars Defect	• CT Lumbar Spine Without Contrast	72131
• <b>Temporal Bone / IAC's</b>	• Cholesteotoma • Trauma	• CT Inner Ears, Temporal Bones Without Contrast	70480
• <b>Pituitary</b>	• MRI Unless Contraindicated	• CT Brain Without and With Contrast	70470
<p><b>University Radiology has a team of specialty trained Diagnostic Neuroradiologists including Dr. Jacob Noe, Dr. R. Ian Gray, Dr. Judson Gash, and Dr. Stephen Brown.</b></p> <p><b>To contact one of our Neuroradiologists call (865) 305-3295.</b></p>			

## CT / CTA MUSCULOSKELETAL:

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
<ul style="list-style-type: none"> <li>• <b>Upper Extremity</b> <ul style="list-style-type: none"> <li>–Arm</li> <li>–Finger</li> <li>–Forearm</li> <li>–Hand</li> <li>–Wrist</li> <li>–Humerus</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• All Bone Exams Ordered Without Contrast Except for Tumor Evaluations and Abscess/Infection Evaluations</li> </ul>	<ul style="list-style-type: none"> <li>• CT Without Contrast Upper Extremity (mention part)</li> </ul>	73200
<ul style="list-style-type: none"> <li>• <b>Lower Extremity</b> <ul style="list-style-type: none"> <li>–Ankle</li> <li>–Calf</li> <li>–Foot</li> <li>–Hip</li> <li>–Knee</li> <li>–Thigh</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• All Bone Exams Ordered Without Contrast Except for Tumor Evaluations and Abscess/Infection Evaluations</li> </ul>	<ul style="list-style-type: none"> <li>• CT Without Contrast Lower Extremity (mention part)</li> </ul>	73700
<ul style="list-style-type: none"> <li>• <b>Extremities</b></li> </ul>	<ul style="list-style-type: none"> <li>• Tumor / Mass / Cancer / Mets/Abscess Eval</li> </ul>	<ul style="list-style-type: none"> <li>• CT With Contrast—Upper</li> <li>• CT With Contrast—Lower</li> </ul>	73201 73701
<ul style="list-style-type: none"> <li>• <b>Ischemia (Lower Extremity)</b></li> <li>• <b>Arterial Stenosis (Lower Extremity)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Peripheral Artery Disease</li> </ul>	<ul style="list-style-type: none"> <li>• CTA Lower Extremity</li> </ul>	73706

## CT / CTA SPECIALTY:

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• <b>Colon</b>	<ul style="list-style-type: none"> <li>• Failed Colonoscopy</li> <li>• Patients Taking Blood Thinners Who Are Not Candidates for Routine Colonoscopy</li> <li>• Screening</li> </ul>	<ul style="list-style-type: none"> <li>• CT Colonography With 3D Rendering (Virtual Colonoscopy)</li> </ul> <p><i>NOTE: Cleansing prep to be given at facility</i></p>	74263 Screening  74261 Diagnostic
• <b>Renal Artery (or Mesenteric Artery)</b>	<ul style="list-style-type: none"> <li>• Hypertension</li> <li>• Renal Artery Stenosis</li> </ul>	• CTA Abdomen For Renal Arteries	74175
• <b>Small Intestine (Bowel)</b>	<ul style="list-style-type: none"> <li>• Crohn's Disease</li> <li>• Small Bowel Related Issues               <ul style="list-style-type: none"> <li>– Abscess</li> <li>– Bleeding Sources</li> <li>– Bowel Obstruction</li> <li>– Fistula</li> <li>– Inflammation</li> <li>– Tumor</li> </ul> </li> </ul>	• CT Enterography	74177
• <b>Urinary Bladder</b>	<ul style="list-style-type: none"> <li>• Bladder Cancer</li> <li>• Bladder Polyps</li> <li>• Bleeding</li> <li>• Hydronephrosis</li> <li>• Vesicoureteral Reflux</li> </ul>	<ul style="list-style-type: none"> <li>• CT Cystogram</li> </ul> <p><i>(Please authorize BOTH codes)</i></p>	72192 51600
• <b>CT Heart</b>	• Screening, Hyperlipidemia	• CT Calcium Score Without Contrast	75571
• <b>CTA Heart</b>	<ul style="list-style-type: none"> <li>• Abnormal Echo</li> <li>• Chest Pain, Sub Tachycardia</li> </ul>	• CTA Coronary Artery Without and With Contrast	75574



BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• CT Low Dose Lung (Cancer Screening)	• Screening for Lung Cancer	• CT Low Dose Lung Cancer Screening (Must Meet Criteria)	71271

# MRI / MRA ORDERING GUIDE

## MRI BREAST:

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Breast (Pre-Operative Staging)	• Recent Diagnosis of Breast Cancer	• Bilateral Breast MRI (and Chest MRI, if necessary)	77059 (71552)
• Breast (Silicone Implants)	• Suspected Silicone Implant Leak • Palpable Lump • Pain	• Bilateral Breast MRI in Addition to “Implant Protocol”	77059
• Breast (Indeterminate Clinical or Imaging Results)	• Further Evaluation of Indeterminate Clinical or Imaging Results ( <i>Radiologist recommendation</i> )	• Bilateral Breast MRI	77059
• Follow-Up for Chemotherapy Treatment	• Follow-Up for Neo-Adjuvant Chemotherapy	• Bilateral Breast MRI	77047 Bilateral 77048 Unilateral

*Please note: Breast MRI does not replace screening mammography.*

*University Radiology has an experienced specialty trained and focused Women’s Imaging Team including  
Dr. Garnetta Morin-Ducote, Dr. Rashad Daker, Dr. Chris Ellington, and Dr. Noël Bergquist.*

*To call the University Breast Center please dial (865) 305-9069*

## MRI / MRA GENERAL:

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• <b>Abdomen</b>	• Adrenal • MRCP (Biliary / Pancreatic Ducts)	• MRI Abdomen Without Contrast (MRCP)	74181
	• Liver Eval • Pancreas Eval • All Other Reasons	• MRI Abdomen Without and With Contrast	74183
• <b>Abdomen (MRA)</b>	• AAA (Abdominal Aortic Aneurysm) • Abdominal Aorta Dissection • Mesenteric Ischemia • Renal Artery Stenosis	• MRA Abdomen	74185
	• Pre Liver Transplant • Pre Kidney Transplant • Renal Mass-Evaluation / Pre-Op	• Order 2 Exams: –MRA Abdomen AND –MRI Abdomen Without and With Contrast (Please authorize BOTH codes)	74185
			74183
• <b>Brachial Plexus</b>	• Brachial Plexus Injury • Nerve Avulsion • Tumor / Mass / Cancer / Mets	• MRI Chest / Mediastinum Without and With Contrast (Specify Brachial Plexus)	71552
• <b>Chest Mediastinum</b>	• Tumor / Mass / Cancer / Mets	• MRI Chest Without and With Contrast	71552
• <b>Chest (MRA)</b>	• Subclavian Vessels • Thoracic Aorta (other than dissection) • Vascular Anomalies	• MRA Chest	71555
	• Aortic Dissection	• Order 2 Exams: –MRA Chest AND –MRA Abdomen (Please authorize BOTH codes)	71555
			74185
<b><i>Dr. Jeff Peeke is University Radiology's Cardiothoracic (Chest) Imaging Specialist. For questions regarding Chest Imaging, please call Dr. Peeke at (865) 305 – 9548.</i></b>			

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Neck (Soft Tissue)	<ul style="list-style-type: none"> <li>• Infection</li> <li>• Pain</li> <li>• Tumor / Mass / Cancer / Mets</li> <li>• Vocal Cord Paralysis</li> </ul>	• MRI Neck Without and With Contrast	70543
• Pelvis	<ul style="list-style-type: none"> <li>• Adenomyosis</li> <li>• Fracture</li> <li>• Muscle / Tendon Tear</li> </ul>	• MRI Pelvis Without Contrast	72195
	<ul style="list-style-type: none"> <li>• Pelvic Organ Prolapse</li> <li>• Pelvic Floor Dysfunction</li> <li>• Outlet Obstruction</li> <li>• Incontinence</li> </ul>	• MRI Dynamic Pelvis	72195
	<ul style="list-style-type: none"> <li>• Abscess</li> <li>• Fibroid</li> <li>• Osteomyelitis</li> <li>• Pre / Post Fibroid Embolization</li> <li>• Septic Arthritis</li> <li>• Tumor / Mass / Cancer / Mets</li> <li>• Urethral Diverticulum</li> </ul>	• MRI Pelvis Without and With Contrast	72197
• Pelvis (MRA)	<ul style="list-style-type: none"> <li>• AVM</li> <li>• May Thurner</li> </ul>	• MRA Pelvis	72198
• Prostate	<ul style="list-style-type: none"> <li>• Benign Prostatic Hyperplasia (BPH)</li> <li>• Enlarged Prostate</li> <li>• Evaluation of Prostate Cancer</li> <li>• Infection (Prostatitis)</li> <li>• Prostate Abscess</li> </ul>	• MRI Prostate	72197
• Cranial Nerve Series	<ul style="list-style-type: none"> <li>• Bells Palsy</li> <li>• Trigeminal Neuralgia</li> </ul>	• MRI Brain Att: Cranial Nerves	70553

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• <b>MRA Abd/Pel</b>	• Peripheral Vascular Insufficiency	• MRA Abdomen, Pelvis and Lower Extremities (run off)	74185, 72198, 73725 (x2)
• <b>Peripheral</b>	• Claudication • Cold Foot Pain	• Order 4 Exams: –MRA Abdomen AND –MRA Lower LEFT Extremity AND –MRA Lower RIGHT Extremity AND MRA Pelvis (Please authorize ALL codes)	74185  73725  73725  72198
<p><b><i>University Radiology has a team of specialty trained Abdominal/Body Imagers including Dr. M. Imran Quraishi, Dr. Cheryl DeWitt, Dr. Kenneth A. Rule, and Dr. Peter Petruzzi.</i></b></p> <p><b><i>To contact one of our Body Imaging specialists call (865) 305-4085.</i></b></p>			

## MRI / MRA HEAD & SPINE:

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Pituitary	• Elevated Prolactin	• MRI Brain Att: Pituitary Protocol	70553
• Spine: Cervical	• Arm / Shoulder Pain and/or Weakness • Chiari Malformation • Degenerative Disease • Disc Herniation • Neck Pain • Post-Op Fusion Radiculopathy	• MRI Cervical Spine Without Contrast	72141
	• Discitis • Multiple Sclerosis • Myelopathy • Osteomyelitis • Syrinx • Tumor / Mass / Cancer / Mets • Vascular Lesions, AVM	• MRI Cervical Spine Without and with Contrast	72156
• Spine: Thoracic	• Back Pain • Compression Fx (no hx cancer / mets) • Degenerative Disease • Disc Herniation • Radiculopathy • Trauma • Vertebroplasty Planning (with no hx cancer)	• MRI Thoracic Spine Without Contrast	72146

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
	<ul style="list-style-type: none"> <li>• AVM</li> <li>• Compression Fx (with hx cancer / mets)</li> <li>• Discitis</li> <li>• Multiple Sclerosis</li> <li>• Myelopathy</li> <li>• Osteomyelitis</li> <li>• Syrinx</li> <li>• Tumor / Mass / Cancer / Mets</li> <li>• Vascular Lesions</li> <li>• Vertebroplasty Planning (with hx cancer)</li> </ul>	• MRI Thoracic Spine Without and With Contrast	72157
• Spine: Lumbar	<ul style="list-style-type: none"> <li>• Back Pain</li> <li>• Compression Fx (no hx cancer / mets)</li> <li>• Degenerative Disease</li> <li>• Disc Herniation</li> <li>• Radiculopathy</li> <li>• Sciatica</li> <li>• Spondylolisthesis</li> <li>• Stenosis</li> <li>• Trauma</li> <li>• Vertebroplasty Planning (with no hx cancer)</li> </ul>	• MRI Lumbar Spine Without Contrast	72148
			72195
	<ul style="list-style-type: none"> <li>• Compression Fx (hx cancer / mets)</li> <li>• Discitis</li> <li>• Osteomyelitis</li> <li>• Post-Op</li> <li>• Tumor / Mass / Cancer / Mets</li> <li>• Vertebroplasty (with hx cancer)</li> </ul>	• MRI Lumbar Spine Without and With Contrast	72158



BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• <b>Brain</b>	• Alzheimer's, Confusion, Dementia, Hydrocephalus, Memory Loss, Mental Status Changes	• MRI Brain Without Contrast	70551
	• Headache • Pseudotumor • Seizures • Tumor / Mass / Cancer / Mets • Vascular Lesions • All other reasons	• MRI Brain Without and With Contrast	70553
• <b>MRI Head</b>	• Dementia • Memory Loss • Seizures	• MRI Brain with NeuroQuant	70551, 76377
• <b>Brain / Orbits / Face</b>	• Exophthalmos, Proptosis • Graves Disease	• MRI Brain and Orbits Without and With Contrast (If patient has not had recent MRI Brain, please add MRI Brain Without and With Contrast) <i>(Please authorize BOTH codes)</i>	70553 70543
• <b>MRA</b> –Arch & Great Vessels –Brain –Neck	• Stroke / CVA • TIA • Vertebrobasilar Insufficiency	• MRA Brain Without Contrast • MRA Neck With Contrast <i>(Please authorize BOTH codes)</i>	70544 70548
• <b>MRV</b> <b>Cerebral Veins,</b> <b>Dural Sinuses</b>	• Venous Thrombosis	• MRV Without Contrast	70544
<p><i>University Radiology has a team of specialty trained Diagnostic Neuroradiologists including Dr.'s Jacob Noe, Dr. R. Ian Gray, Dr. Judson Gash, and Dr. Stephen Brown</i></p> <p><i>To contact one of our Neuroradiologists call (865) 305-3295.</i></p>			

## MRI / MRA MUSCULOSKELETAL:

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
<ul style="list-style-type: none"> <li>• Arm</li> <li>• Hand</li> <li>• Leg</li> <li>• Foot</li> </ul>	<ul style="list-style-type: none"> <li>• Fracture</li> <li>• Muscle / Tendon Tear</li> <li>• Stress Fracture</li> </ul>	<ul style="list-style-type: none"> <li>• MRI—Non Joint Without Contrast               <ul style="list-style-type: none"> <li>–Upper Extremity</li> <li>–Lower Extremity</li> </ul> </li> </ul>	73218 73718
	<ul style="list-style-type: none"> <li>• Abscess</li> <li>• Arthritis (special protocol—please specify)</li> <li>• Bone Tumor / Mass / Cancer / Mets</li> <li>• Cellulitis</li> <li>• Fasciitis</li> <li>• Myositis</li> <li>• Morton’s Neuroma</li> <li>• Osteomyelitis</li> <li>• Soft Tissue Tumor / Mass / Cancer / Mets</li> <li>• Ulcer</li> </ul>	<ul style="list-style-type: none"> <li>• MRI—Non Joint Without and With Contrast               <ul style="list-style-type: none"> <li>–Upper Extremity</li> <li>–Lower Extremity</li> </ul> </li> </ul>	73220 73720
<ul style="list-style-type: none"> <li>• Shoulder</li> <li>• Elbow</li> <li>• Wrist</li> <li>• Finger</li> <li>• Hip</li> <li>• Knee</li> <li>• Ankle</li> <li>• Toe</li> </ul>	<ul style="list-style-type: none"> <li>• Avascular Necrosis (AVN)</li> <li>• Cartilage Tear</li> <li>• Fracture</li> <li>• Internal Derangement</li> <li>• Joint Pain (specify joint)</li> <li>• Labral Tear</li> <li>• Ligament Tear</li> <li>• Meniscal Tear</li> <li>• Muscle Tear</li> <li>• Osteochondritis Dissecans (OCD)</li> <li>• Plantar Fascitis</li> <li>• Stress Fracture</li> <li>• Tendon Tear</li> </ul>	<ul style="list-style-type: none"> <li>• MRI—Joint Without Contrast               <ul style="list-style-type: none"> <li>–Upper Extremity</li> <li>–Lower Extremity</li> </ul> </li> </ul>	73221 73721

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Scapula (Not Included In Shoulder)	<ul style="list-style-type: none"> <li>• Abscess</li> <li>• Arthritis</li> <li>• Cellulitis</li> <li>• Fasciitis</li> <li>• Inflammatory Arthritis (pannus eval)</li> <li>• Myositis</li> <li>• Osteomyelitis</li> <li>• Septic Arthritis</li> <li>• Tumor / Mass / Cancer / Mets</li> <li>• Ulcer</li> </ul>	<ul style="list-style-type: none"> <li>• MRI Lower Extremity—Joint Without and With contrast <ul style="list-style-type: none"> <li>–Upper Extremity</li> <li>–Lower Extremity</li> </ul> </li> </ul>	73223 73723
	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Sprain / Strain</li> <li>• Tear</li> </ul>	• MRI Chest Without and With Contrast	71552
• MRI Arthrography –Elbow –Wrist –Hip –Knee –Ankle –Shoulder	<ul style="list-style-type: none"> <li>• Labral Tear</li> <li>• Loose Bodies</li> <li>• OCD Stability</li> <li>• Post-Op Meniscus Evaluation</li> </ul>	<ul style="list-style-type: none"> <li>• MRI Joint With Contrast— Order with 3 codes: <ul style="list-style-type: none"> <li>1–Lower Extremity With Contrast OR Upper Extremity With Contrast</li> <li>2–Fluoro Guided Arthrogram</li> <li>3–Choose body part: <ul style="list-style-type: none"> <li>–Shoulder</li> <li>–Elbow</li> <li>–Wrist</li> <li>–Hip</li> <li>–Knee</li> <li>–Ankle</li> </ul> </li> </ul> </li> </ul>	73722 73222  77002  23350 & 73040 24220 & 73085 25246 & 73115 27093 & 73525 27370 & 73580 27648 & 73615

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
<p>University Radiology has a team of specialty trained Musculoskeletal Radiologists including Dr. Phillip Clark, Dr. Rong Zeng, Dr. Tony Allen, and Dr. Peter Petruzzi.</p> <p>To contact one of our MSK Radiologists call (865) 305-9657.</p>			

### **MRI / MRA OTHER:**

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Heart	• Congenital Defect & Heart Valve Issues • Past MI - Other Cardiac Issues	• MRI Heart	75557 & 75561
• TMJ	• Internal Derangement • Joint Dysfunction	• MRI TMJ	70336
• Urogram	• Hematuria - Congenital Abnormalities • Urinary Tract Obstruction	• MRI Urogram	74183 & 72197
• Ear Brain (IAC)	• Hearing Loss	• MRI Brain	70553
• Enterography	• Crohn's Disease • Inflammatory Bowel Disease	• MRI Enterography	74183 72197

# ULTRASOUND ORDERING GUIDE

## ULTRASOUND:

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• <b>Abdomen</b>	<ul style="list-style-type: none"> <li>• Abdominal Pain Above Umbilicus</li> <li>• Abnormal LFT's</li> <li>• Cirrhosis</li> <li>• Hepatitis C</li> <li>• Hepatomegaly</li> <li>• Polycystic Disease</li> <li>• Splenomegaly</li> <li>• Thrombocytopenia and similar blood dyscrasias</li> </ul>	• Abdominal Ultrasound	76700
• <b>Pelvic Area (Non-OB)</b>	<ul style="list-style-type: none"> <li>• Endometriosis</li> <li>• Fibroids / Enlarged Uterus</li> <li>• IUD</li> <li>• Menstrual Disorders</li> <li>• Ovarian Cysts</li> <li>• PCOS</li> <li>• Pelvic Pain Below—Umbilicus (relating specifically to uterus or ovaries; ultrasound is not the exam of choice for intestinal disorders)</li> </ul>	• Pelvic Ultrasound	76856 Trans Abdominal  76830 Trans Vaginal
• <b>Aorta (Seen to Iliacs)</b>	<ul style="list-style-type: none"> <li>• AAA</li> <li>• Abd Bruit / Pulsatile Mass</li> <li>• Aortic Dissection</li> </ul>	• Abdominal Aorta Ultrasound	76775

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
	<ul style="list-style-type: none"> <li>• AAA Screening for Medicare               <ul style="list-style-type: none"> <li>–Must be referred from Initial Preventative Physical Exam (IPPE)</li> <li>–Patient must have at least one of the following risks:                   <ul style="list-style-type: none"> <li>• Family Hx of AAA</li> <li>• 65-75 year old male who has smoked “at least 100 cigarettes”</li> <li>• Additional risk factors include coronary heart disease, hypertension, cerebrovascular disease</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Abdominal Aorta Ultrasound               <ul style="list-style-type: none"> <li>–Medicare screening</li> </ul> </li> </ul>	G0389
• Kidneys	<ul style="list-style-type: none"> <li>• Flank / Back Pain</li> <li>• Hematuria</li> <li>• Incomplete Bladder Emptying</li> <li>• Neurogenic Bladder</li> <li>• Polycystic Kidneys</li> <li>• Renal Cyst / Mass</li> <li>• Renal Disease (CKD)</li> <li>• UTI</li> </ul>	• Renal Ultrasound	76770
• Bladder	<ul style="list-style-type: none"> <li>• Bladder Mass / Stone</li> <li>• Check Post Void Residual</li> <li>• Hematuria</li> </ul>	• Bladder Ultrasound	76857
• Thyroid or Soft Tissue Neck	<ul style="list-style-type: none"> <li>• Hyperparathyroidism</li> <li>• Enlarged Lymph Node</li> <li>• Enlarged Thyroid / Fullness</li> <li>• Goiter</li> <li>• Hypo- / Hyper-Thyroid</li> <li>• Nodules</li> <li>• Palpable Mass on Neck</li> <li>• Thyroiditis</li> </ul>	• Thyroid Ultrasound	76536

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Testicles	<ul style="list-style-type: none"> <li>• Epididymitis</li> <li>• Hydrocele</li> <li>• Orchalgia</li> <li>• Pain / Swelling</li> <li>• Torsion</li> <li>• Varicocele</li> </ul>	• Testicular Ultrasound	76870
<p><b><i>University Radiology's Ultrasound Specialist is Dr. Imran Quraishi, Dr. Kenneth Rule, and Dr. Phillip Clark (for MSK Ultrasound).</i></b></p> <p><b><i>To reach a physician call (865) 305-4085.</i></b></p>			



## ULTRASOUND: VASCULAR

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• <b>Carotid</b>	<ul style="list-style-type: none"> <li>• Amaurosis Fugax</li> <li>• Arterial Vascular Disease</li> <li>• Ataxia</li> <li>• HTN</li> <li>• Hyperlipidemia</li> <li>• Stenosis</li> <li>• Stroke</li> <li>• TIA</li> </ul>	• Carotid Duplex / Doppler	93880
• <b>Venous</b> • <b>Upper and Lower Extremity</b>	<ul style="list-style-type: none"> <li>• DVT</li> <li>• Redness</li> <li>• Reflux</li> <li>• Upper and Lower Extremity Swelling / Pain</li> <li>• Valvular Incompetency</li> </ul>	• Venous Duplex / Doppler	93971 Unilat 93970 Bilat
• <b>Abdominal</b>	<ul style="list-style-type: none"> <li>• Portal HTN</li> <li>• Portal Venous Thrombosis</li> <li>• Liver Transplant</li> <li>• TIPS</li> </ul>	• Abdominal Duplex / Doppler	93975
• <b>Renal Artery</b>	<ul style="list-style-type: none"> <li>• Abd Bruit</li> <li>• Renal Artery Stenosis</li> <li>• Uncontrolled HTN</li> </ul>	• Renal Artery Duplex / Doppler	93975 93976

## ULTRASOUND: MUSCULOSKELETAL

BODY PART	REASON FOR EXAM	PROCEDURE	CODE
• Neck / Head	<ul style="list-style-type: none"> <li>• Lymphadenopathy</li> <li>• Palpable Abnormality</li> </ul>	• Soft Tissue Ultrasound Neck / Head	76536
• Hands / Wrists	<ul style="list-style-type: none"> <li>• Foreign Body</li> <li>• Ganglion Cyst</li> <li>• Pain / Swelling</li> <li>• Palpable Abnormality</li> <li>• Radial / Ulnar Nerve</li> <li>• Rheumatoid Arthritis / Arthritis</li> </ul>	• Soft Tissue Hands / Wrists Ultrasound	76881
• Foot	<ul style="list-style-type: none"> <li>• Foreign Body</li> <li>• Ganglion Cyst</li> <li>• Morton's Neuroma</li> <li>• Pain</li> <li>• Palpable Abnormality</li> <li>• Plantar Fasciitis</li> <li>• Plantar Plate Tear</li> </ul>	• Soft Tissue Foot Ultrasound	76881
• Ankle	<ul style="list-style-type: none"> <li>• Achilles Tendon</li> <li>• Ganglion Cysts</li> <li>• Foreign Body</li> <li>• Pain / Swelling</li> <li>• Palpable Abnormality</li> <li>• Tendonitis (Anterior Tibialis, Posterior Tibialis, Peroneals)</li> </ul>	• Soft Tissue Ankle Ultrasound	76881
• Knee	<ul style="list-style-type: none"> <li>• Baker's Cyst</li> <li>• Pain / Swelling</li> <li>• Palpable Abnormality</li> <li>• Patellar Tendon</li> <li>• Quadriceps Tendon</li> </ul>	• Soft Tissue Knee Ultrasound	76881
• Elbow	<ul style="list-style-type: none"> <li>• Biceps Rupture</li> <li>• Bursitis</li> <li>• Pain / Swelling</li> <li>• Palpable Abnormality</li> <li>• Ulnar Nerve</li> </ul>	• Soft Tissue Elbow Ultrasound	76881

• <b>Groin</b>	• Inguinal Hernia • Lymphadenopathy • Palpable Abnormality	• Soft Tissue Groin Ultrasound	76881
• <b>Unlisted</b>	• Palpable Abnormality on the Back or Torso	• Chest Wall • Upper Back • Lower Back	76604 76604 76705
<p><b><i>University Radiology's Ultrasound Specialist is Dr. Imran Quraishi, Dr. Kenneth Rule, and Dr. Phillip Clark (for MSK Ultrasound). To reach a physician call (865) 305-4085.</i></b></p>			

## PET / CT ORDERING GUIDE

## PET / CT ORDERING

BODY PART	REQUESTED ORDER	CODE
• <b>Skull Base to Mid-Thigh</b>	• <b>PET / CT Skull Base to Mid-Thigh</b> (Most Oncology DX; all other diagnoses not mentioned below) • <b>PET/CT Skull base to mid thigh with diagnostic CT soft tissue neck</b> [70491] Head and neck cancer • <b>PET/CT Skull base to mid thigh</b> Neuroendocrine Tumor [Specify gallium 68 dotatate]	78815   78815 and specification
• <b>Whole Body</b>	• <b>PET / CT Whole Body</b> (Diagnosis: Melanoma, Myeloma, Sarcoma, & Merkel Cell Carcinoma, Cutaneous Lymphoma, squamous cell carcinoma (depending on location – if it's the foot or top of the head))	78816
• <b>Brain</b>	• <b>PET / CT Brain</b> Dementia [Specify FDG F-18 Brain Metabolism or Amyvid for Beta Amyloid Plaque (rarely)]	78608 and specification
• <b>Myocardium</b>	• <b>PET / CT Myocardium</b> (Cannot be done if patient is diabetic)	78459

## PET BONE SCANS

BODY PART	REQUESTED ORDER	CODE
• <b>Breast</b> • <b>Lung</b> • <b>Prostate</b> • <b>Thyroid</b>	• <b>PET / CT Bone Scan With Sodium Fluoride</b> (This is covered only if the patient is entered into the National Pet Registry and is only open to Medicare eligible patients. )	78816

Excerpt from the PET / CT Order Form shown here FYI

**PLEASE CHOOSE A SPECIFIC EXAM ORDER BELOW:**

☐ **PET/CT STANDARD - Low Dose CT scan used for attenuation only. NO SEPARATE CT REPORT OR CHARGES**

- |   |   |
|---|---|
| <input type="checkbox"/> 78815 PET CT SKULL BASE TO MID THIGH                               | <input type="checkbox"/> <b>FDG F-18</b>  |
| <input type="checkbox"/> <b>Gallium 68 Dotatate for Neuroendocrine Tumors Netspot A9587</b> | <input type="checkbox"/> <b>Axumin for the detection of recurrent prostate cancer A9588</b> |
| <input type="checkbox"/> 78816 MELANOMA SCAN  | <input type="checkbox"/> 78816 F-18 BONE SCAN   |
| <input type="checkbox"/> <b>FDG F-18</b>  | <input type="checkbox"/> <b>F-18 Sodium Flouride A9580</b>                                  |
| <input type="checkbox"/> 78608 BRAIN (METABOLIC NEUROLOGIC)                                 | <input type="checkbox"/> 78814 Limited PET with CT Attenuation                              |
| <input type="checkbox"/> <b>F-18 FDG Brain Metabolism DX for FTD A9580</b>                  | <input type="checkbox"/> <b>Amyvid (Florbetapir) for Beta Amyloid Plaque deposits A9586</b> |

☐ **PET/CT PLUS FULL DIAGNOSTIC CT SCANS W ORAL/IV CONTRAST; SEPARATE CT REPORT & CHARGES**

- |   |  |
|---|--|
| <input type="checkbox"/> 78815 PET CT SKULL BASE TO MID THIGH | <input type="checkbox"/> <b>FDG F-18</b>                   |
| <input type="checkbox"/> 78816 MELANOMA SCAN                  | <input type="checkbox"/> 78816 F-18 BONE SCAN              |
| <input type="checkbox"/> <b>FDG F-18</b>                      | <input type="checkbox"/> <b>F-18 Sodium Flouride A9580</b> |

**FOR PET CT PLUS FULL DIAGNOSTIC CT SCANS, INDICATE CT CHOICE BELOW (each is with Oral and IV Contrast)**

- |  |  |
|--|--|
| <input type="checkbox"/> 74177 CT ABDOMEN AND PELVIS | <input type="checkbox"/> 70491 CT SOFT TISSUE NECK |
| <input type="checkbox"/> 71260 CT CHEST              | <input type="checkbox"/> 70460 CT HEAD             |
| <input type="checkbox"/> OTHER CT:                   |  |

**Please note that these CT Scans require a separate order and pre-certification / prior authorization (if applicable)**

