CT Ordering Guide

Body

Prep: NPO 2 hours for all studies W Contrast

Chest CT W Contrast ............................................ CPT Code 71260
- Lung Nodules (may be done W Contrast if ordering MD desires)
- Pneumonia (may be done W Contrast if ordering MD desires)
- Pleural effusion (may be done W Contrast if ordering MD desires)
- Intermittent Lung Disease (Hi Res Chest)
- COPD

Chest CT W/O Contrast ....................................... CPT Code 71250
- Lung Cancer (may be done W/O Contrast if ordering MD desires)
- Mediastinal Mass/Abnormality
- Hilar Mass/Abnormality
- Anomalous Pulmonary Venous Return
- Pulmonary Embolism (PE)
- Chest Pain
- Coarctation of the aorta
- Dissection (may be done W/O Contrast if ordering MD desires)

Chest CT W and W/O Contrast W/ 3D Reconstruction ................................. CPT Code 71270
- Dissection (if in conjunction with Angiography Abd and Pel CT W and W/O Contrast W/ 3D Reconstruction, CPT Code 74174)

Angiography, Chest CT W and W/O Contrast W/ 3D Reconstruction .................. CPT Code 71275
- Chronic PE
- Pulmonary AVM
- Pre and Post Operative sternal anatomy (redo sternotomy, Damiano protocol)

Heart

CPT Code 70574
- Coronary artery disease/angiography
- Chest pain suspected cardiac

CPT Code 70572
- Pulmonary venous mapping
- Pulmonary vein mapping
- Gated TAVI (if in conjunction with Angiography Abd and Pel CT W and W/O Contrast W/ 3D Reconstruction, CPT Code 74174)

Abdomen

CPT Code 74150
- Renal Mass or Paracolic Mass Characterization/Surgical Planning
- Liver chemoembolization or RFA
- Adrenal Mass Characterization

CPT Code 74160
- Liver Mass Characterization/Surgical Planning
- Hepatitis/Cirrhosis/Cholangiocarcinoma
- Post treatment HCC (not for metastatic surveillance)

CPT Code 74170
- Renal Mass or Paracolic Mass Characterization/Surgical Planning

CPT Code 74176
- Renal Stone/Renal Pelvis

CT Ordering Guide

To schedule any radiology exam, call 314-362-7111
**NEURO**

**Prep: NPO 2 hours for all studies W Contrast**

**Head CT W/O Contrast**
- Headache/Trauma/Stroke/TIA
- Dizziness/Intraorbital bleed

**Head CT W and W/O Contrast**
- Mass/Metastatic disease

**Neck CT W Contrast**
- Neck Mass/Malignancy/Staging/Malignancy follow

**Sinus CT W/O Contrast**
- Acute or chronic Sinusitis/Nasal cavity polyps

**Orbits CT W/O Contrast**
- Trauma/black eye/visual defects

**Maxillofacial CT W/O Contrast**
- Trauma/ black eye/facial contusion/jaw injury

**Maxillofacial CT W Contrast**
- Facial weakness/Nasal/Paranasal sinus/Cellulitis/Abcess

**Temporal Bones CT W/O Contrast**
- Ear Disorder/Deafness/Acute Mastoiditis

**Spine CT W Contrast**
- Trauma/ear injury

**CT AIF / Bypass evaluation/Cold leg/Leg ischemia**

**Pre and post endoluminal grafting/ TAVI**
- Patients who cannot have contrast

**Failed colonoscopy**
- Patients that cannot be sedated or cannot stop blood thinners for conventional colonoscopy

**Patients that cannot have contrast**
- Patients that cannot have contrast

**Failed colonoscopy**
- Patients that cannot be sedated or cannot stop blood thinners for conventional colonoscopy

**Virtual Colonoscopy Diagnostic CT W/O Contrast**
- Failed colonoscopy

**Virtual Colonoscopy Diagnostic CT W/O Contrast**
- Patients that cannot be sedated or cannot stop blood thinners for conventional colonoscopy

**Urogram CT Abdomen and Pelvis**
- Pre and post endoluminal grafting/AVR

**Angiography Abdomen CT W and W/O Contrast**
- Pre and post endoluminal grafting/AVR

**Spine CT W/O Contrast**
- Pre and post endoluminal grafting/AVR

**Myelogram with CT, Cervical Spine**
- Pre and post endoluminal grafting/AVR

**Myelogram with CT, Thoracic Spine**
- Pre and post endoluminal grafting/AVR

**Myelogram with CT, Lumbar Spinal**
- Pre and post endoluminal grafting/AVR

**Myelogram with CT, 2-3 Regions**
- Pre and post endoluminal grafting/AVR

**To schedule any radiology exam, call 314-362-7111***

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**MUSCULOSKELETAL**

**Prep: NPO 2 hours for all studies W Contrast**

**Wrist CT W/O Contrast**
- Acute fracture

**Wrist CT W/O Contrast**
- Distal radius/subluxation instability

**Wrist CT W Contrast**
- Infection (if concern for septic joint should be aspirated prior to CT)

**Elbow CT W/O Contrast**
- Arthrograph to evaluate for ligamentous or chondral injuries in patients

**Elbow CT W Contrast**
- Tumors (if contraindication to MRI)

**Shoulder CT W/O Contrast**
- Tumors (if contraindication to MRI)

**Shoulder CT W Contrast**
- Infection (if concern for septic joint should be aspirated prior to CT)

**Forefoot/Hindfoot CT W/O Contrast**
- Tumors (if contraindication to MRI)

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**MYELOGRAPHY**

**Prep: NPO 4 hours; may drink clear liquids up to 30 minutes prior to exam**

**Myelogram with CT, Cervical Spine**
- Problem cases unresolved by non-invasive imaging

**Myelogram with CT, Thoracic Spine**
- Problem cases unresolved by non-invasive imaging

**Myelogram with CT, Lumbar Spinal**
- Problem cases unresolved by non-invasive imaging

**Myelogram with CT, 2-3 Regions**
- Problem cases unresolved by non-invasive imaging

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**To schedule any radiology exam, call 314-362-7111***

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**BODY**

**Prep: NPO 2 hours for all studies W Contrast**

**Abdomen and Pelvis CT W and W/O Contrast**
- Ischemic Bowel

**Angiography Abdomen CT W and W/O Contrast**
- GI bleeding

**Abdomen and Pelvis CT W/O Contrast W/3D Reconstruction**
- Pre Liver transplant/Portal vein embolization

**Neck Mass/Malignancy Staging/Malignancy follow**
- Hepatic resection candidates

**Subarachnoid hemorrhage (SAH)/Arteriovenous malformation (AVM)**
- Living Liver Donor

**Penetrating neck injury**
- TRAM flap surgical planning

**Hematuria**
- Living Renal Donor

**Subarachnoid hemorrhage (SAH)/Arteriovenous malformation (AVM)**
- Gated TAVI (if in conjunction with Heart CT W Contrast (Morphology), CPT Code 75572)

**Fracture healing (most commonly scaphoid)**
- Fracture

**Tumor**
- Arthritis

**Infection**
- Arthritis

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**MUSCULOSKELETAL**

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**Angiography, Abdominal Aorta CT**
- Problem cases unresolved by non-invasive imaging

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**To schedule any radiology exam, call 314-362-7111***

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**HEAD CT**

**W and W/O Contrast W/3D Reconstruction**
- Headache/Trauma/Stroke/TIA

**Trauma/black eye/visual defects**
- Headache/Trauma/Stroke/TIA

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**Maxillofacial CT W/O Contrast**
- Headache/Trauma/Stroke/TIA
BODY (continued)

Prep: NPO 2 hours for all studies W Contrast

Abdomen and Pelvis CT W and W/O Contrast .............................. CPT Code 74178

• Ischemic Bowel
• GI bleeding

Angiography Abdomen CT W and W/O Contrast
W/ 3D Reconstruction .................................................. CPT Code 74175

• Pre Liver transplant/Portal vein embolization
• Hepatic revascularation
• Living Liver Donor

Angiography Abd and Pel CT
W and W/O Contrast W/ 3D Reconstruction .......................... CPT Code 74174

• Pre and post endoluminal grafting for patients who cannot have contrast

Chest, Abdomen, and Pelvis CT W/ 3D Reconstruction .............. CPT Code 71260 & 74177

• Pre and post endoluminal grafting for patients who cannot have contrast

Virtual Colonoscopy Diagnostic CT W/O Contrast .................... CPT Code 74261

• Failed colonoscopy
• Patients that cannot be sedated or cannot stop blood thinners for conventional colonoscopy

Urogram CT Abdomen and Pelvis
W and W/O Contrast W/ 3D Reconstruction ........................ CPT Code 74178 & 76327

• Hematuria

Angiography, Abdominal Aorta CT
with Lower Extremity Runoff, W Contrast W/ 3D Reconstruction . CPT Code 75635

• CT AIF / Bypass evaluation/Cold leg/Leg ischemia

To schedule any radiology exam, call 314-362-7111

MYELOGRAPHY

Prep: NPO 4 hours; may drink clear liquids up to 30 minutes prior to exam

Myelogram with CT, Cervical Spine ...................................... CPT Code 72240 (Precert CPT Code 72240 & 72248)

• Problem cases unresolved by non-invasive imaging
• Patients with contraindications for MR
• Cervical myelopathy or radiculopathy in which fine bone detail is desired
• Presurgical planning and mapping

Myelogram with CT, Thoracic Spine ..................................... CPT Code 72255 (Precert CPT Code 72255 & 72259)

• Problem cases unresolved by non-invasive imaging
• Patients with contraindications for MR
• Thoracic myelopathy or radiculopathy in which fine bone detail is desired
• Presurgical planning and mapping

Myelogram with CT, LumbarSacral Spine ................................. CPT Code 72265 (Precert CPT Code 72265 & 72269)

• Problem cases unresolved by non-invasive imaging
• Patients with contraindications for MR
• Lumbar radiculopathy in which fine bone detail is desired
• Presurgical planning and mapping

Myelogram with CT, 2-3 Regions ........................................ CPT Code 72270 (Precert CPT Code 72270 & depending on the desired level(s) 72128, 72129, and/or 72132)

• Problem cases unresolved by non-invasive imaging
• Patients with contraindications for MR
• Complex or nonfalcine myelopathy or radiculopathy in which fine bone detail is desired
• Presurgical planning and mapping

To schedule any radiology exam, call 314-362-7111

MUSCULOSKELETAL

Prep: NPO 2 hours for all studies W Contrast

Wrist CT W/O Contrast .................................................. CPT Code 73200

• Acute fracture
• Fracture healing (most commonly scaphoid)
• Distal radius/spiral instability
• Arthroscopy evaluation

Wrist CT W Contrast ..................................................... CPT Code 73201

• Infection (if concomitant septic joint should be aspirated prior to CT)
• Arthrogram to evaluate for ligamentous or chondral injuries in patients with adjacent metal, gadolinium allergy or extreme claustrophobia
• Tumor (if contraindication to MR)

Elbow CT W/O Contrast .................................................. CPT Code 73200

• Fracture
• Arthritis

Elbow CT W Contrast .................................................... CPT Code 73201

• Infection (if concomitant septic joint should be aspirated prior to CT)
• Arthrogram to evaluate for ligamentous or chondral injuries in patients with adjacent metal, gadolinium allergy or extreme claustrophobia
• Tumor (if contraindication to MR)

Shoulder CT W/O Contrast ................................................ CPT Code 73200

• Fracture
• Arthritis prior to replacement

Shoulder CT W Contrast .................................................. CPT Code 73201

• Infection (if concomitant septic joint should be aspirated prior to CT)
• Arthrogram to evaluate for ligamentous or chondral injuries in patients with adjacent metal, gadolinium allergy or extreme claustrophobia
• Arthrogram for patient with arthroplasty/green component loosening
• Tumor (if contraindication to MR)

Shoulder CT W/O Contrast W/3D Reconstruction .......................... CPT Code 73200 & 76377

• Shoulder arthritis prior to replacement
• Glenoid fracture

Foot/Hand CT W/O Contrast .................................................. CPT Code 73700

• Fracture
• Evaluation of arthrodesis
• Arthritis

Foot/Hand CT W Contrast .................................................. CPT Code 73701

• Infection (if concomitant septic joint should be aspirated prior to CT)
• Tumor (if contraindication to MR)

(MUSCULOSKELETAL – continued on back)
To schedule any radiology exam, please call Radiology Scheduling at 314-362-7111 or 877-992-7111, 7 a.m.-5:30 p.m. Monday-Friday.

For questions regarding how to order any of the CT scans or how to reach the appropriate sub-specialty radiologist, please call CT Coordinators at (314) 747-9647 or CT Charge Technologist at (314) 747-9696.

Outpatient CT appointments are available 7 a.m.-5:30 p.m. Monday-Friday and 8 a.m.-12 p.m. on Saturdays.

MUSCULOSKELETAL (continued)

Prep: NPO 2 hours for all studies W Contrast

Hip CT W/O Contrast ......................................................... CPT Code 73700

- Hip pain
- Hip fracture

Hip CT W/O Contrast W/3D Reconstruction ............................. CPT Code 73700 & 76377

- Impingement protocol

Pelvis CT W/O Contrast ..................................................... CPT Code 72192

- Bone stock following bone graft harvest
- Pelvic fractures

Pelvis CT W Contrast ........................................................ CPT Code 72193

- Infection (if concern for septic joint should be aspirated prior to CT)
- Tumor (if contraindication to MRI)

Pelvis CT W/O Contrast W/3D Reconstruction ........................... CPT Code 72192 & 76377

- Pelvic ring fractures/acetabular fractures

Premedication for Contrast Allergy

Patients with hives or rash must be pre-medicated for an IV contrast CT scan (not oral contrast).

- Patients with vomiting or dizziness with IV contrast, or shell fish allergy do not require premedication.

- Patients with anaphylaxis or laryngeal edema should be discussed with radiologist before the exam.

Premedication Protocol

- Prednisone: 50 mg PO (four doses total) to be taken 19 hours, 13 hours, 7 hours and 1 hour prior to appointment.
- Diphenhydramine (Benadryl) (optional): 50 mg PO to be taken 1 hour prior to exam.

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All exams are read by subspecialized radiologists from Washington University’s Mallinckrodt Institute of Radiology.