CT Ordering Guide

**Coronary CT W and W/ Contrast**
- CPT Code 75574
- Coronary artery disease/bypass graft evaluation
- Chest pain, suspected cardiac

**Heart CT W Contrast (Morphology)**
- CPT Code 75572
- Pulmonary venous mapping
- Pulmonary vein evaluation
- Gated TAVI (in conjunction with Angiography Abd and Pel CT)

**Abdomen CT W/ Contrast**
- Adrenal mass detection
- CPT Code 74150
- Adrenal CT

**Abdomen CT W Contrast**
- CPT Code 74160
- Renal Mass Characterization/Surgical Planning

**Abdomen CT W/ and W/ Contrast**
- CPT Code 74170
- Renal Mass or Pancreatic Mass Characterization/Surgical Planning
- Liver chemo embolization or RFA
- Adrenal Mass characterization

**Abdomen and Pelvis CT W/ Contrast**
- CPT Code 74176
- Renal stones/Renal bleeding
- Adrenal and pelvic patient who cannot have contrast (will give oral contrast)

**CT Enterography**
- CPT Code 74177
- Trauma/Blowout perforation (BODI – continued inside)

**Barnes Jewish West County Hospital HealthCare**

**Radiation**
- Note: CT scans do not expose the patient to a significant amount of radiation.
- Radiation is a known致癌 agent.

**Preparation**
- Blood thinners are usually continued on the day of the examination.
- Patients with a history of allergies may require premedication.

**Premedication for CT Contrast Allergy**

**Premedication Protocol**
- 50 mg PO to be taken 1 hour prior to exam.
- 50 mg PO (four doses total) to be taken 19 hours, 13 hours, 7 hours and 1 hour prior to appointment.
- 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 shellfish allergy do not require premedication.
- Patients with anaphylaxis or laryngeal edema should be discussed with radiologist before the exam.

**Outpatient CT appointments are available 7 a.m. - 6:30 p.m. Monday-Friday and 8 a.m. - 1 p.m. on Saturdays.**

**For questions regarding how to order any of the CT scans, please call radiologist at 314-996-8514 or CT Department 314-996-8428.**

To schedule any radiology exam, call 314-996-8080.

**Barnes Jewish Hospital, Washington University’s Mallinckrodt Institute of Radiology.**

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

**Prep: NPO 2 hours for all studies W Contrast**
- 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)
- Interstitial Lung Disease (Hi Res Chest)
- CTPA

**Chest CT W Contrast**
- Lung Cancer (may be done W Contrast if ordering MD desires)
- Mediastinal Mass/Abnormality
- Hilair Mass/Abnormality
- Anoreum Follow-Up (size only)
- Dissection (chest only, no 3D)

**Chest CT W and W/ Contrast**
- Dissection (if in conjunction with Abdomen and Pelvis CT W Contrast, CPT Code 74173)

**Angiography, Chest CT W and W/ Contrast W/ 3D Reconstruction**
- Chronic PE
- Pulmonary Artery Embolism
- Chest Pain
- Coronary artery disease/bypass graft evaluation

**CT Gated W Contrast**
- Aortic or mitral valve for patients who cannot have contrast
- CT Enterography
- Trauma/Blowout perforation (BODI – continued inside)

**Barnes Jewish West County Hospital HealthCare**

**Prep: NPO 2 hours for all studies W Contrast**
- 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)
- Interstitial Lung Disease (Hi Res Chest)
- CTPA

**Chest CT W Contrast**
- Lung Cancer (may be done W Contrast if ordering MD desires)
- Mediastinal Mass/Abnormality
- Hilair Mass/Abnormality
- Anoreum Follow-Up (size only)
- Dissection (chest only, no 3D)

**Chest CT W and W/ Contrast**
- Dissection (if in conjunction with Abdomen and Pelvis CT W Contrast, CPT Code 74173)

**Angiography, Chest CT W and W/ Contrast W/ 3D Reconstruction**
- Chronic PE
- Pulmonary Artery Embolism
- Chest Pain
- Coronary artery disease/bypass graft evaluation

**CT Gated W Contrast**
- Aortic or mitral valve for patients who cannot have contrast
- CT Enterography
- Trauma/Blowout perforation (BODI – continued inside)
• Headache/Trauma/Stroke/TIA
• Neck Mass/Malignancy Staging/Malignancy follow-up
• Acute or chronic Sinusitis/Nasal cavity polyps
• Trauma/black eye/visual defects
• Facial weakness/Neoplasm/Malignancy/Cellulitis/Abscess
• Trauma/ear injury
• Subarachnoid hemorrhage (SAH)/Arteriovenous malformation (AVM)
• Intracranial Aneurysm/Stenosis/Dissection
• Cervical Spine fracture
• Penetrating neck injury
• Subarachnoid hemorrhage (SAH)/Arteriovenous malformation (AVM)
• Extracranial Aneurysm/Stenosis/Dissection
• Radiculopathy/Trauma/Pain
• Fracture healing (most commonly scaphoid)
• Distal radioulnar joint instability
• Arthrodesis evaluation
• Infection (if concern for septic joint should be aspirated prior to CT)
• Tumor (if contraindication to MRI)
• Arthritis
• Tumor (if contraindication to MRI)
• Infection (if concern for septic joint should be aspirated prior to CT)
• Arthrogram to evaluate for glenoid labrum or chondral injuries in patients
• Arthrogram for patient with arthroplasty glenoid component loosening