

CT REFERENCE CHART: What to Order and How



Clinical Indications	With IV Contrast	With Oral Contrast	Without IV Contrast	With & Without IV Contrast	What to Order	GE LightSpeed VCT XT 64 Slice CT Scanner
HEAD/ BRAIN						
Headaches; Recent Trauma; Known CVA/Bleed			✓		CT Head without IV Contrast	✓
R/O Masses; Swelling; Facial Pain				✓	CT Head with and without IV Contrast	✓
Inner Ear Canal; Temporal Bones			✓		CT IAC without IV Contrast	✓
R/O Acoustic Neuroma – in cases where patient is unable to have an MRI due to contraindications	✓				CT IAC with IV Contrast	✓
Sinusitis; Headaches/Frontal Facial Pain			✓		CT Sinus without IV Contrast	✓
R/O Mass; Swelling, Blurred Vision or Other Orbital Disease				✓	CT Orbits with & without IV Contrast	✓
Facial Trauma; Fractures; Dental Implant Studies			✓		CT Facial without IV Contrast	✓
SOFT TISSUE NECK EXAMS						
R/O Neck Mass or Neck Swelling – Difficulty Swallowing, Hoarseness, Mass	✓				CT Soft Tissue Neck with IV Contrast	✓
CT ABDOMEN & PELVIS EXAMS						
General Abdominal Pain; Nausea; Vomiting; Diarrhea; Constipation; Weight Gain/Loss; Cancer Staging/ Follow-up	✓	✓			CT Abdomen and/or Pelvis with Oral and IV Contrast	✓
Upper Abdominal Symptoms (from diaphragm to top of pelvic bones)	✓	✓			CT Abdomen with Oral and IV Contrast	✓
Lower Abdominal/Pelvic Symptoms	✓	✓			CT Pelvis with Oral and IV Contrast	✓
Mid-Abdominal and/or Generalized Symptoms	✓	✓			CT Abdomen & Pelvis with Oral and IV Contrast	✓
Kidney Stones (Known or Suspected)			✓		CT Abdomen & Pelvis without IV Contrast (no oral contrast)	✓
Hematuria / R/O Mass				✓	CT Abdomen & Pelvis with & without IV Contrast (no oral contrast)	✓
Virtual Colonoscopy			✓		Virtual Colonoscopy	✓
Appendicitis, Diverticulitis	✓	✓			CT Abdomen & Pelvis with Oral and IV Contrast	✓
Mass (Pancreas, Adrenals*, Liver) To evaluate known masses <i>*For Adrenal exams, please contact MFD for ordering specifics as they vary by exam and by individual</i>		✓		✓	Multi-phase Abdominal CT with and without IV and Oral Contrast (3-Phase)	✓

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ANGIOGRAPHY						
Angiogram, Aneurysms Arterial stenosis, dissection	✓				CTA Abdomen & Pelvis with IV Contrast (no oral contrast)	✓
Thoracic Aorta, Ascending Aortic Aneurysm	✓				CTA Chest with IV Contrast	✓
CT CHEST EXAMS						
Abnormal Chest X-Ray, Cancer, Masses	✓				CT Chest with IV Contrast	✓
Lung Nodules, Shortness of Breath, Cough, Congestion, Chest Pain			✓		CT Chest without IV Contrast	✓
Pulmonary Embolism, R/O PE	✓				CT Chest Pulmonary Angiogram with IV Contrast	✓
Allergies to iodinated Contrast			✓		CT Chest without IV Contrast	✓
Follow-up Lung Nodule			✓		CT Chest (low dose)	✓
Boney Thorax			✓		CT Chest without IV Contrast	✓
Interstitial Lung Disease (need PFT's in advance)			✓		CT Hi-Res Chest without IV Contrast	✓
CT SPINE EXAMS: CERVICAL, THORACIC & LUMBAR						
Back pain, Fractures, Immediate and Post Surgical Studies*			✓		CT Spine without IV Contrast	✓
CT EXTREMITIES						
R/O Suspected Fractures and/or Evaluate Known Fractures			✓		CT Extremity without IV Contrast	✓
Soft Tissue Masses – in cases where patient is unable to have an MRI due to contraindications, or due to Doctor specification				✓	Contact MFD for Best Protocol to Follow	✓