



# CT Reference Chart:

## What to Order and When

Questions? Call and ask to speak  
with our Radiologists 775-323-5083

CLINICAL INDICATIONS	Without IV Contrast	With IV Contrast	With AND Without IV Contrast	With Oral Contrast	WHAT TO ORDER
<b>CHEST</b>					
Family History of Heart Disease, Elevated Cholesterol, Elevated Blood Pressure, Abnormal EKG	✓				CT Coronary Calcium Scoring
Abnormal Chest X-ray, Lung Nodules, Masses, Shortness of Breath, Cough, Congestion, Cancer, Chest Pain		✓			CT Chest with IV contrast
Pulmonary Embolism, Shortness of Breath, Aneurysm		✓			CTA Chest with IV contrast
Follow Up Pulmonary Nodule	✓				CT Chest (low dose) without IV contrast
Thoracic, Musculoskeletal Pain	✓				CT Chest without IV contrast
Interstitial Lung Disease (typically after abnormal CT or PFT's)	✓				CT Hi-Resolution Chest without IV contrast
Hypercalcemia, Suspected Parathyroid Adenoma			✓		CTA Neck Parathyroid with and without IV contrast
<b>SPINE</b>					
Back Pain, Fractures	✓				CT Spine (Cervical, Thoracic, Lumbar) without IV contrast
Surgical Planning, Prior Surgery *If contrast is specifically requested by the Physician, this contrast will be administered Intrathecally (a needle is guided into the spinal column and contrast is injected into the thecal sac surrounding the spinal cord). This will require the patient to have fluoroscopic study first during which the injection will take place, followed by CT of the area in question.		Intrathecal*			CT (Cervical, Thoracic, Lumbar) Spine Myelogram (MRI Superior if not contraindicated), Pacemaker/Implants
<b>ANGIOGRAPHY</b>					
Aortic Aneurysm, Stenosis, Dissection		✓			CTA Abdomen & Pelvis with IV contrast (no oral contrast)
Ascending or Thoracic Aortic Aneurysm or Stenosis		✓			CTA Chest with IV contrast
Blood Clot in Extremity		✓			CTA Runoff
Calcification of the Carotid Artery		✓			CTA Neck
Coronary Artery Disease, Stenosis, Chest Pain			✓		CTA Coronary Arteries with and without IV contrast
Endograft Follow Up			✓		CTA Abdomen & Pelvis Endograft protocol with and without IV contrast (no oral contrast)
Brain Aneurysm		✓			CTA Brain
<b>EXTREMITIES</b>					
Suspected Fracture and/or Evaluate Known Fractures	✓				CT (Extremity) without IV contrast
Soft Tissue Mass		✓			CT (Extremity) with IV contrast (MRI Superior if not contraindicated)
<b>CT ARTHROGRAM</b>					
Previous Surgery, Special Circumstances		Intra-articular			CT Arthrogram (Knee, Hip, Shoulder) (MRI Superior if not contraindicated)

**HEAD/BRAIN/SOFT TISSUE/NECK/ABDOMEN/PELVIS EXAMS ON REVERSE • [www.RenoDiagnosticCenters.com](http://www.RenoDiagnosticCenters.com) • 775-323-5083**



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<b>HEAD/BRAIN</b>					
Headaches, Recent Trauma, CVA, Bleed	✓				CT Head without IV contrast
Suspected Masses		✓			CT Head with IV contrast (MRI Superior if not contraindicated)
Inner Ear Canal, Temporal Bones	✓				CT IAC without IV contrast
Suspected Acoustic Neuroma, Mass		✓			CT IAC with IV contrast (MRI Superior if not contraindicated)
Sinusitis, Headaches/Frontal Facial Pain	✓				CT Sinus without IV contrast,
Suspected Mass, Swelling, Blurred Vision or other Orbital Disease		✓			CT Orbits with IV contrast (MRI Superior if not contraindicated)
Facial Trauma, Fractures, Facial Pain	✓				CT Maxillofacial without IV contrast
<b>SOFT TISSUE NECK</b>					
Neck Mass, Swelling, Hoarseness		✓			CT Soft Tissue Neck with IV contrast
<b>ABDOMEN &amp; PELVIS</b>					
Abdominal Pain, Nausea, Vomiting, Diarrhea, 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 & IV contrast
Kidney Stones (known or suspected)	✓				CT Abdomen & Pelvis without IV contrast (no oral contrast)
Hematuria, Possible Renal Mass, Work Up of Renal Mass			✓		CT Abdomen & Pelvis with and without IV contrast (no oral contrast)
Hematuria, Suspected Urothelial Lesion			✓		CT Abdomen & Pelvis Urography with and without IV contrast (no oral contrast)
Appendicitis, Diverticulitis		✓		✓	CT Abdomen & Pelvis with Oral and IV contrast
Mass (Pancreas, Adrenals, Liver) to Evaluate Known Masses			✓	✓★	Multi-Phase Abdominal CTA with and without IV & Oral contrast (3-Phase), (MRI Superior if not contraindicated)
Inflammatory Bowel Disease, Small Bowel Mass		✓		✓★	CT Abdomen & Pelvis Enterography with Oral and IV contrast

★ Special Volumn Oral Contrast

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