

CT PROCEDURE REFERENCE GUIDE

Procedure	Contrast	Scan Field	Preparation	Diagnosis
Head	Without -70450- *Protocol*	Base of Skull to Vertex	NONE	<ul style="list-style-type: none"> • HA • AMS • Trauma • Seizure
	With & Without -70470-		<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Mass • Cancer Hx R/O Mets • Infection
Sinuses	Without -70486- *Protocol*	Hard Palate thru Frontal Sinus	NONE	<ul style="list-style-type: none"> • Sinusitis • HA • Sinus Drainage/Pressure
	With -70487-		<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Mass
Orbits	Without -70480- *Protocol*	Hard Palate thru Frontal Sinus	NONE	<ul style="list-style-type: none"> • Fracture • Trauma
	With -70481-		<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Swelling • Cellulitis • Abscess • Mass
Mastoids/IAC/ Temporal Bones	Without -70480- *Protocol*	Detailed cuts thru Mastoid and Temporal Bones	NONE	<ul style="list-style-type: none"> • Mastoiditis • Hearing Loss
Facial Bones	Without -70486- *Protocol*	Mandible thru Frontal Sinus	NONE	<ul style="list-style-type: none"> • Fracture • Trauma
	With -70487-		<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Swelling • Cellulitis • Abscess • Mass
ST Neck	With -70491- *Protocol*	Mastoids to Aortic Arch	<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Cancer • Lump/Swelling • Lymphedema
Low Dose Lung Screening	Without	Apex thru lung bases	NONE	<ul style="list-style-type: none"> • Screening *Pt must meet screening criteria*
Routine Chest	With -71260- *Protocol*	Apex thru adrenal glands	<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Cancer • Abnormal CXR • Pneumonia • Cough • Chest Pain • SOB
Chest Without	Without -71250	Apex thru Costaphrenic Angles	None	<ul style="list-style-type: none"> • Nodule follow-up • Aneurysm (can be done as a Without or

				Angio Chest- if Follow-up Aneurysm)
Hi Res Chest	Without -71250-	Apex to Costophrenic Angles- Specific for Lung Markings	NONE	<ul style="list-style-type: none"> • COPD • Emphysema • ILD
Chest for PE	With -71275-	Apex thru costophrenic angles- Specific for Pulmonary Arteries	<u>LIQUID ONLY 2 HRS PRIOR</u> Must Have 20g or Larger IV in antecubital	<ul style="list-style-type: none"> • SOB • Chest Pain • Blood Clot • DVT
Cardiac Score	Without -75571-	Screen for Coronary Artery Calcifications	NO caffeine, stimulants, or strenuous exercise after midnight day of service	<ul style="list-style-type: none"> • Family Hx CAD • Hypertension • High Cholesterol
CTA Cardiac **RN's call these patients**	With -75574-	Coronary Arteries	<u>NPO 6 HRS PRIOR</u> NO caffeine, stimulants, or strenuous exercise 24 hrs prior, NO ED meds 4 hrs prior, NO Excedrin 12 hrs prior	<ul style="list-style-type: none"> • CAD • Chest Pain • ABN Stress Test

Question asked by Scheduling and Care Connect:

**If patient's pain is BELOW the umbilicus,
then exam should be ordered as an Abdomen and Pelvis CT with contrast.**

Abdomen/Pelvis	With IV -74177-	Diaphragm thru Pelvic Rami	<u>LIQUIDS ONLY 2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Abd pain • Nausea • Vomiting • Diarrhea • Cancer • R/O Appy
Abdomen	With IV -74160-	Diaphragm thru Iliac Crest	<u>LIQUIDS ONLY 2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Upper abdomen pain • Nausea

				<ul style="list-style-type: none"> • Vomiting **Will Not R/O appendicitis, or if patient has pain below iliac crest**
Pelvis	With IV -72193-	Iliac Crest thru Pelvic Rami	<u>CLEAR</u> <u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Pelvic pain • Pelvic mass
Dual Pancreas Triphase Kidneys Adrenal Glands *Must be Specified*	With & Without -74170-	Exam is organ specific-Special multi-phase studies *Must be specified on the order*	<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Mass
Tri-Phase Liver *Must be Specified*	With IV -74160- **Routine** With & Without -74170- **Only if microspheres, Cirrhosis of Liver, or if Specific for a Cancer Patient**	Exam is organ specific-Special multi-phase studies *Must be specified on the order*	<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Mass
Renal Stone **Must be Abdomen and Pelvis scan**	Without -74176- *Protocol*	Diaphragm thru Pelvic Rami- Specific for Renal Stone	NONE	<ul style="list-style-type: none"> • Flank pain • Hematuria • Hx of Stones
Urogram	With & Without -74178-	Urinary System Special Multi- Phase study	<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Hematuria • Mass
Extremity	Without Upper Ext -73200- Lower Ext -73700- *Protocol*	Specify right or left AND area of interest	NONE	<ul style="list-style-type: none"> • Fracture • Trauma • Pain

Arthrograms	With contrast Upper ext 73201 Lower ext 73701	Specify Rt or Left and area of interest	No prep No driver No NPO	
Myelograms	C-spine w 72126 T-spine w 72129 L-spine w 72132	<u>Cspine</u> - Base of Skull to T1 <u>Tspine</u> -C7-L1 <u>Lspine</u> - T12- Sacrum		<ul style="list-style-type: none"> • Pain • Radiculopathy
C-Spine	Without -72125- *Protocol*	Base of Skull to T1	NONE	<ul style="list-style-type: none"> • Pain • Trauma
T-Spine	Without -72128- *Protocol*	C7-L1	NONE	<ul style="list-style-type: none"> • Pain • Trauma
L-Spine	Without -72131- *Protocol*	T12-Sacrum	NONE	<ul style="list-style-type: none"> • Pain • Trauma
CTA Carotids/Neck	With -70498-	Aortic arch to Circle of Willis	<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u> Must have 18g, 20g or 22D IV in RT AC or higher	<ul style="list-style-type: none"> • Bruit • Stenosis
CTA Chest	With -71275-	Apices to crux of diaphragm	<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Aneurysm • (can be done as a Without or Angio Chest- if Follow-up Aneurysm) • Dissection
CTA Abd/Pelvis	With -74174-	Diaphragm to Pelvic Rami	<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • Aneurysm • Dissection
CTA Runoff	With -75635-	Diaphragm to Feet	<u>LIQUIDS ONLY</u> <u>2 HRS PRIOR</u>	<ul style="list-style-type: none"> • PVD • Claudication • Non-healing ulcer/wound
CT Colonography	Without (Always Diagnostic) -74261-	Diaphragm thru Symphysis Pubis	<u>Follow detailed prep picked up from Outpatient Imaging Center</u>	<ul style="list-style-type: none"> • Failed colonoscopy • Tortuous Colon • High Cardiac Risk patients • Risk for GI Bleed

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****SPECIAL CONSIDERATIONS:**

- ❑ When contrast is indicated for the exam, lab creatinine must be checked within 30 days for any patients 60 years of age and above, renal disease (includes kidney dialysis, kidney transplant, single kidney, renal cancer, renal surgery), multiple myeloma, diabetic, or taking any Metformin containing medications. Patients with Iodine Allergy must be scheduled at the hospital and be premedicated. Scheduling will fax premedication instructions when the exam is ordered.
- ❑ **If IV contrast is indicated** patients must be NPO except liquids for 2 hours prior. Patients should be encouraged to be well hydrated since an IV will need to be obtained. This is especially important for CTA's where a larger IV is required.
- ❑ **Dialysis patients must receive their dialysis treatment within 24 hours after having an IV contrast injection.**