

UH Inpatient CT Guidance Document

Document Purpose: To guide UH CT technologists in deciding which patients should receive priority for Photon Counting and Dual Energy CT imaging at North Pavilion.

Naeotom Alpha Required:

Section	Protocol	Indications	Details
Cardiac	Coronary CTA	Coronary stent	
	TAVR	Post-surgery / TAVR thrombosis	

Force Required:

Section	Protocol	Indications	Details
Neuro	Noncontrast Head CT	Post thrombectomy	
	Noncontrast Head CT	Hemorrhage vs. Calcification	
	Noncontrast Head CT	Contrast vs. Blood	
MSK	Any extremity	Gout	

Naeotom Alpha or Force Required:

Section	Protocol	Indications	Details
Cardiac	Coronary CTA	Routine	
Chest	HRCT	ILD exacerbation	
Abdomen	CTA/CTV Ischemia	Ischemic bowel	
	Abd/Pel 3 Phase	GI Bleed	

Naeotom Alpha / Force Strongly Preferred:

Section	Protocol	Indications	Details
Neuro	Spine without	Hardware	DE MAR
	Spine without	Gout	DE gout
	Spine without	Fracture	DE bone marrow
	CTA head only CTA neck only CTA head/neck	Any except stroke	DE arterial phase
	Soft tissue neck with	Neck mass or cancer	DE
Chest	CTA Chest (PE)	Suspected PE	DE CTA PE protocol If the patient is unable to hold their breath, use Chest Turbo Flash protocol.
Body	Pancreas 2 Phase Abd/Pel Liver 2 Phase Abd/Pel Liver 3 Phase Abd/Pel Liver 4 Phase		<130 lbs – Use DE SM 131-200 lbs – Use DE MED 201-300 lbs – Use DE LG >300 lbs – Use single energy ** No limitations on Neotom Alpha
Combo	CAP Pancreas 2 Phase CAP Liver 2 Phase CAP Liver 3 Phase CAP Liver 4 Phase		
MSK	Any extremity	Hardware	DE MAR

All abdominal exams that are placed on the Siemens Naeotom or Force must be scanned as Dual Energy.

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