

CT Multiphase Pancreas, CT Pancreas Liver with Pelvis, and CT Pancreas Liver CAP (Chest, Abdomen, and Pelvis)

Position/Landmark	Supine Feet First / Above Liver
Scout	Top to Bottom Dual Scout (with arms up) 
Scan coverage	Above the dome of Liver to Iliac Crest. Review non-con scan to ensure all of the liver is included.
Respiratory Phase	Inspiratory
Scan Type	Helical
IV access	18g or 20g
IV Contrast	125ml OMNI 350 @ 4.0 or 5.0mL/sec
Contrast Delay	Bolus Tracked: Trigger Scan from HU. • Each scanner has a different HU trigger. • Put tracker Mid-Pancreas on the Descending Aorta.
PO Prep	None
Reason For Exam	Evaluate pancreatic neoplasm, pancreatitis, or vascular involvement

Scan Settings – CT Multiphase Pancreas, CT Multiphase Pancreas with Pelvis, and CT Pancreas Liver CAP (Same for each Phase unless noted otherwise)

	Siemens SOMATOM Force	Philips iCT/Ingenuity	Canon Aquilion ONE Vision
kV Setting:	CAREkV	120	120

	Ref kV= 120		
mA/mAs/TCM Setting:	CAREDose4D QRM = 147, Dose Slider Setting at 3 for non con, and 7 for other phases	DoseRight DRI = 19, Liver DRI Boost +3	SureExposure3D (SD=11.5)
Iterative Reconstruction Setting:	Admire Strength 3	iDose 3	AIDR 3D Standard, AIDR 3D mild for venous chest

Scan and Recon Instructions - CT Multiphase Pancreas	
1.	Scout top of Diaphragm to Iliac Crest
2.	NON-CONTRAST Diaphragm to Iliac Crest (Blue box) - Axial 3mm x 1.5mm (soft tissue)
3.	Bolus tracker Mid-Pancreas in Descending Aorta. - 125ml of contrast @ 4ml/sec
4.	ARTERIAL Diaphragm to Iliac Crest (5mm x 2.5mm) (Blue box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 5mm x 2.5mm (soft tissue) - Sagittal 5mm x 2.5mm (soft tissue)
5.	Venous delay 55 seconds after bolus tracker. Diaphragm to Iliac Crest. (Blue box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 5mm x 2.5mm (soft tissue) - Sagittal 5mm x 2.5mm (soft tissue)

Scan and Recon Instructions - CT Multiphase Pancreas with Pelvis	
1.	Scout top of Diaphragm to Lesser Trochanter
2.	NON-CONTRAST Diaphragm to Iliac Crest (Blue box) - Axial 3mm x 1.5mm (soft tissue)
3.	Bolus tracker Mid-Pancreas in Descending Aorta. - 125ml of contrast @ 4ml/sec.
4.	ARTERIAL Diaphragm to Iliac Crest (Blue box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 5mm x 2.5mm (soft tissue) - Sagittal 5mm x 2.5mm (soft tissue)

5.	Venous delay 55 seconds after bolus tracker. Diaphragm to Lesser Trochanter. (Red box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 5mm x 2.5mm (soft tissue) - Sagittal 5mm x 2.5mm (soft tissue) - Quick tip – Portal Pelvis
Quick tip 	For the CT Pancreas Liver with Pelvis remember scan Short, Short, Long (Portal Pelvis). - Abdomen, Abdomen, Abdomen/Pelvis

Scan and Recon Instructions - CT Multiphase Pancreas CAP (Chest, Abdomen, and Pelvis)	
1.	Scout top of Diaphragm to Lesser Trochanter
2.	NON-CONTRAST Diaphragm to Iliac Crest (Blue box) - Axial 3mm x 1.5mm (soft tissue)
3.	Bolus tracker Mid-Pancreas in Descending Aorta. 125ml of contrast @ 4ml/sec.
4.	ARTERIAL Diaphragm to Iliac Crest (5mm x 2.5mm) (Blue box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 5mm x 2.5mm (soft tissue) - Sagittal 5mm x 2.5mm (soft tissue)
5.	Venous delay 55 seconds after bolus tracker. Lung apices to lesser trochanter. (Green box) - Make lung windows - Check accession numbers for Lung views going to <u>Chest</u> and abdomen views going to <u>Body</u>. - Axial 3mm x 1.5mm (soft tissue) - Coronal 5mm x 2.5mm (soft tissue) - Sagittal 5mm x 2.5mm (soft tissue) - Axial 3mm x 1.5mm (lung) - Axial 3mm x 1.5mm (soft tissue) - Coronal 3mm x 1.5mm (lung) - Coronal 3mm x 1.5mm (soft tissue) - Sagittal 3mm x 1.5mm (soft tissue)