


CT Chest through Liver with Contrast

Position/Landmark	Feet first. Position at chin or mid-shoulder
Scout	
Scan coverage	Apices of lungs through Liver. This is a limited study; full view of other abdominal organs is not required as long as liver is fully included.
Respiratory Phase	Inspiratory
Scan Type	Helical
IV access	22G minimum Antecubital
IV contrast	100mL OMNI 350 @ 2.0mL/sec.
PO Prep	None
Reason for exam	The scan is primarily used to evaluate for lung or liver metastatic disease or vasculature issues in the region.

Scan Settings – CT Chest through Liver with Contrast

	Siemens SOMATOM Force	Philips iCT/Ingenuity	Canon Aquilion ONE Vision
kV Setting:	CAREkV Ref kV= 110	120	120
mA/mAs/TCM Setting:	CAREdose4D QRM = 51, Dose Savings Slider at 7	DoseRight DRI = 19, Liver DRI Boost +3	SureExposure3D (SD=12.5)
Iterative Reconstruction Setting:	Admire Strength 3	iDose 2	AIDR 3D Mild

Scan and Recon Instructions - CT Chest through Liver with Contrast	
1.	Scout – Chin to mid-pelvis (Arms above head)
2.	Inspiratory- Practice with the patient! Make sure the patient takes a deep breath in and is able to hold it for scan duration.
3.	Begin injection at 2ml/sec for a total of 100ml.
4.	Initialize scan at 60s post injection start time.
5.	Apices of lungs through Liver (Blue box) <ul style="list-style-type: none"> - Axial 3mm x 1.5mm (soft tissue) - Axial 3mm x 1.5mm (lung) - Coronal 3mm x 1.5mm (lung) - Coronal 3mm x 1.5mm (soft tissue) - Sagittal 3mm x 1.5mm (soft tissue)