

CT Chest, Abdomen, Pelvis with Contrast

Position/Landmark	Feet first. Position at chin
Scout	
Scan coverage	Apices of lungs through bony pelvis
Respiratory Phase	Inspiratory
Scan Type	Helical
IV access	22G minimum Antecubital
IV contrast	100mL OMNI 350 @ 2.0mL/sec.
PO Prep	May need to drink water, PO+, or barium depending on radiologist protocol
Reason for exam	The scan is used to assess disease progression, look for routine issues, or confirm mets

Scan Settings – CT Chest, Abdomen, Pelvis with Contrast				
	Siemens SOMATOM Force	Philips iCT/Ingenuity	Canon Aquilion ONE Vision	GE Discovery PET CT
kV Setting:	CAREkV Ref kV= 120	120	120	120

mA/mAs/TCM Setting:	CAREdDose4D QRM = 147, , Dose Savings Slider at 7	DoseRight DRI = 18, Liver DRI Boost +3	SureExposure3D (SD=11.5)	Smart mA, NI=12.5, 40 %Dose Reduction, 5mm Slice Thickness
Iterative Reconstruction Setting:	Admire Strength 3	iDose 3	AIDR 3D Standard	ASIR 40%

Scan and Recon Instructions - CT Chest, Abdomen, Pelvis with Contrast	
1.	Scout – Chin to mid-thigh (Arms above head)
2.	Begin injection at 2ml/sec for a total of 100ml.
3.	Initialize scan at 60s post injection start time
4.	Apices of lungs through bony pelvis (Blue box) - Axial 5mm x 2.5mm (soft tissue) - Coronal 5mm x 2.5mm (soft tissue) - Sagittal 5mm x 2.5mm (soft tissue) - Axial 3mm x 1.5mm (lung) - Coronal 3mm x 1.5mm (lung)