

CT Abdomen and Pelvis with Contrast

Position/Landmark	Feet first. Position at nipple line
Scout	
Scan coverage	Diaphragm 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 or look for routine issues

Scan Settings – CT Abdomen and 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:	CAREdose4D QRM = 147, Dose Savings Slider at 7	DoseRight DRI = 19, 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%
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Scan and Recon Instructions - CT Abdomen and Pelvis with Contrast	
1.	Scout – nipple line to mid-thigh (Arms above head)
2.	Begin injection at 2ml/sec for a total of 100ml.
3.	Administer 100ml contrast at 2ml/s and scan 90s post injection start time
4.	Diaphragm 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)