

CT Gated Aorta

Technical Parameters						
kVp:	Siemens: Care kV (120 reference) GE: Auto Prescription					
mAs:	Dose Modulation System (ex CAREdose 4D, smart mA)					
Pitch:	<1 preferred					
Collimation:	Siemens (128x0.6) GE (40mm or 80mm)					
Scan Direction:	Craniocaudal					
Rotation Time:	0.5 or less					
Anatomic Coverage:	Scan should cover the entire chest Have patient take a breath in a hold before scan					
Notes:	Cardiac leads should be attached with gating at 70% only.					
Contrast:	75mL Omni350Iso370 4mL/s Bolus tracking at the level of the diaphragm with the ROI in the descending Aorta, trigger threshold set to 100HU					
Reconstruction Parameters:	Soft Tissue Ax	Lung	Coronal	Sagittal	Coronal MIP	Sagittal MIP
Slice Thickness:	2-2.5mm	2mm	2mm	2mm	5mm	5mm
Reconstruction Interval:	2-2.5mm	2mm	2mm	2mm	1mm	1mm
Reconstruction FOV:	Smallest area to include relevant anatomy	Smallest area to include relevant anatomy	Smallest area to include relevant anatomy	Smallest area to include relevant anatomy	Smallest area to include relevant anatomy	Smallest area to include relevant anatomy
Window	Siemens (CT Angio) GE (WW 350 WL 50)	Siemens (Lung) GE (WW 1500 WL -600)	Siemens (CT Angio) GE (WW 350 WL 50)	Siemens (MIP) GE (MIP)	Siemens (MIP) GE (MIP)	Siemens (MIP) GE (MIP)
Kernel/Algorithm:	Siemens (Bv 36) GE (Standard)	Siemens (BI 59) GE (Sharp)	Siemens (Bv 36) GE (Standard)	Siemens (Bv 36) GE (Standard)	Siemens (Bv 36) GE (Standard)	Siemens (Bv 36) GE (Standard)