

CT Chest Without Contrast

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:	1s or less					
Anatomic Coverage:	Scan should cover from above the apices of the lungs through the adrenals Have patient take a breath in and hold it for the scan.					
Reconstruction Parameters:	Soft Tissue Ax	Lung	Coronal	Sagittal	Thins	Axial MIP
Slice Thickness:	2-2.5mm	2-2.5mm	2-2.5mm	2-2.5mm	1mm	10-20mm
Reconstruction Interval:	2-2.5mm	2-2.5mm	2-2.5mm	2-2.5mm	1mm	2mm
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 (Mediastinum) GE (WW 350 WL 50)	Siemens (Lung) GE (WW 1500 WL -600)	Siemens (Mediastinum) GE (WW 350 WL 50)	Siemens (Mediastinum) GE (WW 350 WL 50)	Siemens (Mediastinum) GE (WW 350 WL 50)	Siemens (MIP) GE (MIP)
Kernel/Algorithm:	Siemens (Br 36) GE (Standard)	Siemens (Br 69) GE (Sharp)	Siemens (Br 36) GE (Standard)	Siemens (Br 36) GE (Standard)	Siemens (Br 36) GE (Standard)	Siemens (Bv 36) GE (Standard)

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Contrast:	75mL Omni300/Iso300 3mL/s 40 second delay after injection before scanning					
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Kernel/Algorithm:	Siemens (Br 36)	Siemens (Br 69)	Siemens (Br 36)	Siemens (Br 36)	Siemens (Br 36)	Siemens (Bv)