

CT HiRes Chest WO

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					
Supine Imaging 1	Inspiration	Inspiration	Entire lung field (apices to angles)	<1.5mm Slice Thickness	Contiguous spacing	Full Helical volumetric
Supine Imaging 2	Expiration	Expiration	Lung bases only	<1.5mm Slice Thickness	10mm Spacing	Axial scan mode, this will require more than one breath hold. Typically three sets of 3-4 spins.
Prone Imaging 3 (flip patient prone and re-scout)	Inspiration	Inspiration	Lung bases only	<1.5mm Slice Thickness	10mm Spacing	Axial scan mode, this will require more than one breath hold. Typically three sets of 3-4 spins.
Reconstruction Parameters: on Supine Imaging Inspiration ONLY	Soft Tissue Ax	Axial MIP	Lung	Coronal	Sagittal	Thins
Slice Thickness:	2-2.5mm	10mm	2-2.5mm	2-2.5mm	2-2.5mm	1mm
Reconstruction Interval:	2-2.5mm	2mm	2-2.5mm	2-2.5mm	2-2.5mm	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 (Mediastinum) GE (WW 350 WL 50)	Siemens (Lung) GE (WW 1500 WL -600)	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)
Kernel/Algorithm:	Siemens (Br 36) GE (Standard)	Siemens (Br 69) GE (Sharp)	Siemens (Br 69) GE (Sharp)	Siemens (Br 36) GE (Standard)	Siemens (Br 36) GE (Standard)	Siemens (Br 36) GE (Standard)