

CT Low Dose LCS

Technical Parameters						
kVp:	120kV					
mAs:	mAs set to 40 for BMI less than 30 and 50 for BMI greater than 30. CTDIvol should not exceed 3 for standard size patients.					
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	Axial MIP	Cor MIP
Slice Thickness:	2-2.5mm	1mm	1mm	1mm	10-20mm	10-20mm
Reconstruction Interval:	2-2.5mm	1mm	1mm	1mm	2mm	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 (MIP) GE (MIP)	Siemens (Mediastinum) GE (WW 350 WL 50)
Kernel/Algorithm:	Siemens (Br 36) GE (Standard)	Siemens (Br 69) GE (Sharp)	Siemens (Br 36) GE (Standard)	Siemens (Br 36) GE (Standard)	Siemens (Bv 36) GE (Standard)	Siemens (Br 36) GE (Standard)