

Chest Routine

Siemens 16 Slice

Application Examples: tumor, lymphoma

Oral Contrast	No
IV Contrast / Volume	75 ml Omnipaque 300

Technical Factors

Injection Rate	3.0 ml/sec
Care Bolus ROI Location / HU	Aortic Arch / 150
Monitoring Delay	20 seconds
Cycle Time	1.5 seconds
Scan Delay	4 seconds
Breath Hold	Inspiration

Scan Type	Spiral
Detector Collimator	Acq 16 x 1.2 mm
kV / mAs / Rotation Time	110 kV / 150mAs / 0.6 seconds
Care Dose	On
Pitch	1.0
Typical CTDIvol	10.80 mGy

Topogram: AP, 512 mm

Chest	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	5 x 5	B30s	Mediastinum	AXIAL	PACS
Recon 2	3 x 3	B70s	Lung	AXIAL LUNG	PACS
Recon 3	1.5 x 0.7	B30s	Mediastinum	AXIAL 1.5 x 0.7 STND	MPR / TeraRecon

Patient Position: Patient lying supine with arms above head and lower legs supported.

Scan Range: Lung apices through adrenal glands.

Recons: Adjust FoV to fit body contour. On recon 2, set beginning and end points to include *lungs only*.

Reformations: Post processing done in 3D card.

Series: Chest	Reformat Type	Width / Increment	Window	Series Description	Networking
Recon 3	Coronal MPR	3 x 3	Mediastinum	COR	PACS
Recon 3	Sagittal MPR	3 x 3	Mediastinum	SAG	PACS
Recon 3	Coronal MIP	8 x 5	Lung	COR MIP	PACS
Recon 3	Axial MIP	8 x 5	Lung	AXIAL MIP	PACS