

Chest with and without

Siemens go.All

Application Examples: tumor, lymphoma, metastases

Oral Contrast	No
IV Contrast / Volume	75 ml Omnipaque 300
Injection Rate	3.0 ml/sec

Technical Factors

Care Bolus ROI Location / HU	Aortic Arch / 120
Monitoring Delay	20 seconds
Cycle Time	1 second
Scan Delay	6 seconds
Breath Hold	Inspiration

Scan Type	Spiral
Detector Collimator	Acq 32 x .07 mm
X-Care	On
Care kV	On / 120 kV
Care Dose	On / 60 mAs
Rotation Time (seconds)	0.5
Pitch	0.6
Typical CTDIvol	5.5 mGy ± 50%

Topogram: Lateral and AP, 512 mm

Chest wo	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	Br40	2	Mediastinum	AXIAL	PACS	None
Recon 2	Axial	2 x 2	Br64	2	Lung	AXIAL LUNG	PACS	None
Recon 3	3D:COR	3 x 3	Br40	2	Mediastinum	COR	PACS	Coronal MPR
Recon 4	3D:SAG	3 x 3	Br40	2	Mediastinum	SAG	PACS	Sagittal MPR
Recon 5	3D: COR	8 x 5	Br40	2	Lung	COR MIP	PACS	Coronal MIP
Recon 6	3D: AXIAL	8 x 5	Br40	2	Lung	AXIAL MIP	PACS	Axial MIP
Recon 7	Axial	1.0 x 0.8	Br36	2	Mediastinum	AXIAL 1.0 x 0.8 STND	TeraRecon	None

Chest w	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	Br40	2	Mediastinum	AXIAL	PACS	None
Recon 2	Axial	2 x 2	Br64	2	Lung	AXIAL LUNG	PACS	None
Recon 3	3D:COR	3 x 3	Br40	2	Mediastinum	COR	PACS	Coronal MPR
Recon 4	3D:SAG	3 x 3	Br40	2	Mediastinum	SAG	PACS	Sagittal MPR
Recon 5	3D:COR	8 x 5	Br40	2	Lung	COR MIP	PACS	Coronal MIP
Recon 6	3D:AXIAL	8 x 5	Br40	2	Lung	AXIAL MIP	PACS	Axial MIP
Recon 7	Axial	1.0 x 0.8	Br36	2	Mediastinum	AXIAL 1.0 x 0.8 STND	TeraRecon	None
Recon 8	Lung CAD	1.0 x 0.7	Br60	2	Lung	LUNG CAD	PACS	None

This protocol is used for routine chest studies when without images are requested first then contrast.

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

Scan Range: Scan chest without first as requested - Lung apices through adrenal glands. Inject IV contrast and proceed with Routine Chest with- Lung apices through adrenal glands.

Recons and Reformations: Set recon 2 and 6 on both scans begin and end points to include *lungs only*.

Parallel If being done for TRAUMA use the appropriate protocol labeled TRAUMA or add 2 extra Recon boxes

- 1) Radial Rib
- 2) Rib

