

Chest Routine

Siemens Flash

| |
|---|
| 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 / 150 |
| Monitoring Delay | 20 seconds |
| Cycle Time | 1.71 seconds |
| Scan Delay | 4 seconds |
| Breath Hold | Inspiration |

| | |
|-------------------------|------------------|
| Scan Type | Spiral |
| Detector Collimator | Acq 128 x 0.6 mm |
| X-Care | On |
| Care kV | On / 120 kV |
| Care Dose | On / 65 mAs |
| Rotation Time (seconds) | 0.28 |
| Pitch | 0.6 |
| Typical CTDIvol | 4.40 mGy ± 50% |

Topogram: Lateral and AP, 512 mm

| Chest | Recon Type | Width / Increment | Algorithm | Safire | Window | Series Description | Networking | Post Processing |
|---------|------------|-------------------|-----------|--------|-------------|----------------------|------------|-----------------|
| Recon 1 | Axial | 5 x 5 | I41f | 2 | Mediastinum | AXIAL | PACS | None |
| Recon 2 | Axial | 2 x 2 | I70f | 2 | Lung | AXIAL LUNG | PACS | None |
| Recon 3 | 3D:COR | 3 x 3 | I41f | 2 | Mediastinum | COR | PACS | Coronal MPR |
| Recon 4 | 3D:SAG | 3 x 3 | I41f | 2 | Mediastinum | SAG | PACS | Sagittal MPR |
| Recon 5 | 3D:COR | 8 x 5 | I40f | 2 | Lung | COR MIP | PACS | Coronal MIP |
| Recon 6 | 3D:AXIAL | 8 x 5 | I40f | 2 | Lung | AXIAL MIP | PACS | Axial MIP |
| Recon 7 | Axial | 1.0 x 0.8 | I31f | 2 | Mediastinum | AXIAL 1.0 x 0.8 STND | TeraRecon | None |

This protocol is used for routine chest studies.

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

Scan Range: Lung apices through adrenal glands.

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