

**Chest Lung Screen**

Siemens go.All

Application Examples: lung screening
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Oral Contrast	No
IV Contrast / Volume	No

*Technical Factors*

Scan Delay	6 seconds
Breath Hold	Inspiration

Scan Type	Spiral
Detector Collimator	Acq 32 x 0.7 mm
Care kV / mAs / Rotation Time (seconds) < 200lbs	On / Sn 110 / 15 mAs / 0.5
Care kV / mAs / Rotation Time (sec) 200-299lbs	On / Sn 110 / 15 mAs / 0.5
Care kV / mAs / Rotation Time (seconds) ≥ 300lbs	On / Sn 120 / 15 mAs / 0.5
Care Dose	On
Pitch	0.6
Typical CTDIvol < 200lbs	1.65 mGy ± 50%
Typical CTDIvol 200-299lbs	3.30 mGy ± 50%
Typical CTDIvol > 300lbs	5.41 mGy ± 50%

Topogram: Lateral &amp; PA, 512 mm (100 kv)

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

This protocol is used for screening lung cancer.

**Chart Review:** Patient must meet the following requirements.

- **Age 50-77 for Medicare Age 50-80 for other Insurances**
- **Current Smoker or quit within 15 years**
- **20 pack history**
- **No signs or symptoms of cancer**
- **Provider education complete**

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

**Scan Range:** Entire lungs.

**Recons and Reformations:** Adjust FoV to be less than 3 cm beyond the ribs.