

# CT Chest- Dry Lung Screening Small

## Maximum CTDI 25

GE-5007

Indication: lung cancer screening. Must meet US Preventative Task Force criteria

PT Prep: No oral contrast  
No IV contrast

Series 1: Scouts AP & LAT – Supine “O” at Sternal Notch S100 to I400

Series 2: Scan from lung apices to L2.  
Helical scan superior to inferior, apex of lungs to L2 in a **Lung** algorithm

Technique:

	128 slice	32 slice	64 slice	64 slice w/ASIR 50%
Noise Level	16.10	14.00	14.00	14.00
Interval	2.5	2.5mm	2.5mm	2.5mm
Axial/Helical Thickness	2.5	2.5mm	2.5mm	2.5mm
Pitch	1.375:1	1.375:1	1.375:1	1.375:1
Speed mm/rotation	55	55	55	55
Detector Rows	64	32	64	64
Detector Configuration		32 x 1.25	64 x 0.625	64 x 0.625
Beam Collimation	40mm	40mm	40mm	40mm
Kv/mA	100KV /40mA	100KV/40mA	100KV/40mA	100KV/40mA
Scan Type	Helical Full 0.7	Helical Full 0.5	Helical Full 0.5	Helical Full 0.5

Networking/ PACs: Send scouts  
Send series 2 Lung algorithm 2.5mm  
Recon and send axial images in Soft Tissue algorithm  
Record DLP in PACS comments

Original Date: 4-8-04

Approved by: Dr. D. Thomas , MCR

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