

CT Chest- High Resolution

Maximum CTDI 36

GE- 5003

Indication: Pulmonary Fibrosis, (ILD, BOOP), asbestos related tumor disease, abnormal pulmonary function test

PT Prep: No oral contrast
No IV contrast

Series 1: Scouts AP & LAT – Supine “O” at Sternal Notch S20 to I350

Series 2: Scan from lung apices to L2 with **Full Inspiration. 1 BREATH HOLD**
Helical scan superior to inferior, apex of lungs to L2 in a Standard Algorithm
Turn on Recon 2 change factors using second chart. Scan in Bone Algorithm with Lung Window

Series 3: Rescan as above with **Expiration. 1 BREATH HOLD**

Series 4: Flip patient over to **Prone** position (if able to tolerate.)
Rescan and do **Helical** scan with **Inspiration**.

Technique: Standard Algorithm, DFOV approx. 36 cm

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 40%
Noise Level	13.30	14.00	14.00	14.00
Interval	5mm	5mm	5mm	5mm
Helical Thickness	5mm	5mm	5mm	5mm
Pitch	1.375:1	1:375:1	1:375:1	1:375:1
Speed mm/rotation	55.00	55	13.75	13.75
Detector Row				
Detector Configuration				
Beam Collimation	40mm	40mm	40mm	40mm
Kv/mA	120KV/Auto mA	120kv/Auto mA	120KV/Auto mA	120KV/Auto mA
Scan Type	Helical 0.7 sec	Helical 0.7 sec	Helical 0.7 sec	Helical 0.7 sec

Original Date: 4-8-04

Approved by: Dr. Rehfuss , MCR

Revised Date: 11-9-04, 1-11-10, 9-16-10 12/8/10 04/17/13 12/15/15 02/22/18

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GE MDCT

CHART FOR RECON 2

Adjust recons to be Bone Algorithm and Lung Window

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 40%
Noise Level	13.30	14.00	14.00	14.00
Interval	10mm	10mm	10mm	10mm
Helical Thickness	1.25mm	1.25mm	1.25mm	1.25mm
Pitch	1:375:1	1:375:1	1:375:1	1:375:1
Speed mm/rotation	55.00	55	13.75	13.75
Detector Row				
Detector Configuration				
Beam Collimation	40mm	40mm	40mm	40mm
Kv/mA	120KV/Auto mA	120kv/Auto mA	120KV/Auto mA	120KV/Auto mA
Scan Type	Helical 0.7 sec	Helical 0.7 sec	Helical 0.7 sec	Helical 0.7 sec

Networking/ PACs: Send scouts
 Send all series 2,3,4 in Standard Soft Tissue Algorithm
 Send all series 2,3,4 in Bone Algorithm and Lung window
 Obtain sagittal and coronal images using the Lung Window for series 2,3,4
 Send to PACS