

CT Lumbar Spine

GE- 4003

Maximum CTDI 55

Note: Indications such as abscess, s/p surgery or infection may require the use of IV contrast. Consult the Radiologist when these indications are given - Follow MCR IV contrast dosing guidelines.

Series 1 : Scouts AP & LAT — Supine (head first) "0" at Iliac Crest S 250 to 1 150

Series 2: Helical scan of the I-spine from just above T 12 to the body of S1.

Reconstruction Standard & Bone

DFOV 20-25cm

Technique:

	750 HD (128) CT2	Optima 660 (32) OVIC	Optima 660 CT1	VCT 64 CT3
Noise Level	18.00	15.00	15.00	15.00
Interval	2.5mm	2.5mm	2.5mm	2.5mm
Axial/Helical Thickness	2.5mm	2.5mm	2.5mm	2.5mm
Pitch	0.984: 1	0.969: 1	0.984: 1	0.984:1
Speed mm/rotation	39.37	19.37	39.37	39.37
Detector Rows				
Detector Configuration				
Beam Collimation	40mm	40mm	40mm	40mm
KV/mA	120KV/600mA	120KV/350mA	120KV/250mA	120KV/250mA
Scan	Helical 1.0 sec	Helical 1.0 sec	Helical 1.0 sec	Helical 1.0 sec

Networking/ PACs: Send scouts

Send series 2 Standard Algorithm

Send series 2 Bone Algorithm, 1.5mm

Send coronal/sagittal reformats in bone

Send coronal and sagittal reformats in soft tissue for Post Myelogram imaging.

Post Myelogram: Using Recon 3 obtain reformats on the Standard Algorithm. Use these to obtain sagittal and coronal images and send to PACS.

Original Date: 4-8-04

Approved by: Dr. Barby, MCR

Revised Date: 11/9/04, 1/1 1/10, 9/16/10, 12/8/10, 1/28/13, 12/15/15, 8/24/20, 3/11/24

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