

CT Head-With & Without

GE- 1003

Maximum CTDI 75

Note: Include top of head and bottom of brain. First and last slice should show NO brain.

PT Prep: Remove all metal objects from head to eliminate artifacts

Series 1 : Scout AP/LAT-Supine (head first) "0" at 0M S 150 to 1 75

Series 2: Axial scan of the brain from the foramen magnum to the vertex

Acquisition #1 Display scout and prescribe slices from the foramen magnum though the vertex of the Head 5mm spacing and 5mm thickness, with cursor angle of 1 5 degrees from the OM

Series 3: Axial scan Wet- of the brain from the foramen magnum to the vertex

Acquisition #1 Enhanced Scan: repeat head scan from series 2 after injection of IV contrast. Follow MCR IV contrast dosing guidelines.

Wait 3 minutes after injection to scan to penetration the blood/brain barrier.

Reconstruction: Standard DFOV 23

Technique:

	750 HD SNGH CT2	Optima 660 (32) SNG" OVIC	Optima 660 SNGH CT1	VCT 645 SNGH CT3
Noise Level	3.72	3.39	2.80	2.80
Interval	20mm	20mm	20mm	20mm
Axial/Helical Thickness	5mm	5mm	5mm	5mm
Pitch	N/A	N/A	N/A	N/A
Speed mm/rotation	N/A	N/A	N/A	N/A
Detector Rows	N/A	N/A	N/A	N/A
Detector Configuration	N/A	N/A	N/A	N/A
Beam Collimation	20mm	20mm	20mm	20mm
KV/mA	120KV/170mA	120KV/170mA	120KV/170mA	120KV/250mA
Scan Type	Axial 2.0 sec	Axial 2.0 sec	Axial 2.0 sec	Axial 2.0 sec
# of images er rotation	4i	4i	4i	4i

Networking/ PACs: Send scouts
 Send series 2 Standard Algorithm
 Recon and send bone images with bone algorithm
 Send series 3 Standard Algorithm.

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Approved by : Dr. Barbu, MCR

Revised Date: 1 1-9-04, I-11-10 12/8/10, 01 28/13 12/15/15, 08/18/20., 3/26/24

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