

CT Head WET (with IV contrast)

GE- 1002

Maximum CTDI 75

Note: Include top and bottom of brain. First and last slice must show NO brain.
If the order states "contrast only" please do as order is stated even if patient has not had a recent
Without head scan per Dr. Donnal

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:

Enhanced axial scan of the brain from the foramen magnum to the vertex

Acquisition #1 Display scout and prescribe slices from the foramen magnum through the vertex of the head
5mm spacing and 5mm thickness, with cursor angle of 15 degrees from the orbital meatal line.
IV Contrast INJECTION. Follow MCR IV contrast dosing guidelines.

WAIT 3 minutes after injection before starting scan

Reconstruction: Standard DFOV 23

Technique:

	750 HD (SNGH CT2)	Optima 660 (32) SNGH OVIC	Optima 660 (SNGH CT1)	64 slice w/ASIR (SNGH CT3)
Noise Level	3.72	3.39	1.90	1.90
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 170mA
Scan Type	Axial 2.0 sec	Axial 2.0 sec	Axial 2.0 sec	Axial 2.0 sec
# of images per rotation	4i	4i	4i	4i

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

Original Date: 4-8-04

Approved by: Dr. Barbu MCR

Revised Date: 11-9-04, I-1 1-10, 9-16-10, 12 8/10 01 28/13 12/15 15, 08 18 20, 3/26/24

GE MDCT