

CT Head Perfusion (Stroke)

GE- 1005

Maximum CTDI __500

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

Patient must have an IV that is rated to withstand 4cc/sec.

In range creat/GFR unless waived by Radiologist. Please refer to guidelines.

Series 1: **Scout LAT- supine (head first) "0" at OM**
Scout AP – supine (head first) "0" at OM
S 150 to I 50

Series 2: **Start location at the Sella turcica. Type the start location into the protocol and the scanner will adjust for the amount of images.**

Begin scan and contrast at the same time. 40cc at 4cc/sec.

Scan time is between 45-50 seconds.

Reconstruction: Standard DFOV 23

	750 HD 128 (room 2)	Optima 660 (32) OVIC	Optima 660 (room 1)	VCT 64 (room 3)
Noise Level	2.8		2.80	
Interval	20mm	40mm	20mm	40mm
Axial Thickness	5mm	5mm	5mm	5mm
Pitch	0.984:1	n/a	n/a	n/a
Speed mm/rotation	0.4s	0.4s	0.5s	0.4s
Detector Rows				
Detector Configuration				
Beam Collimation	20mm	40mm	20mm	40mm
Kv/mA	80KV/200mA	80KV/400mA	80KV/200mA	80KV/400mA
Scan Type	Cine Full 1.0 Sec	Shuttle mode axial 0.5	Cine Full 1.0 Sec	Shuttle mode axial 0.4
# of images per rotation	4i	8i	4i	8i

Networking/ PACs: Send scout images
Send Series 2, contrast images.

Original date: 04/08/04

Revised date: 11/9/04, 1/11/10, 06/17/21.

Approved by: Dr. Agola