

CT STEALTH SINUS

Maximum CTDI 100

GE- 2005

Purpose: Imaging for surgical image guidance systems

Note: Scan is usually performed without IV contrast but can be performed with IV contrast at MD's Request. This scan is to continue through the top of the head per ENT. Be sure ears are not folded over and appear in the DFOV.

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

Series 1: Scout LAT-Supine (head first) "0" at OM S 150 to I 150

Series 2: Helical scan of the paranasal sinuses from the hard palate to the top of the head.

Reconstruction: Standard DFOV 23 to 25

Technique:

	750 HD SNGH room 2	Optima 660 (32s) SNGH OVIC	Optima 660 (64s) SNGH room 1	VCT 64s SNGH room 3
Noise Level	7.35	12.00	5.20	5.20
Interval	0.625mm	0.625mm	0.625mm	0.625mm
Axial/Helical Thickness	0.625mm	0.625mm	0.625mm	0.625mm
Pitch	0.531:1	0.531:1	0.531:1	0.531:1
Speed mm/rotation	10.62	10.62	10.62	10.62
Detector Rows			64	64
Detector Configuration			64 x 1.25	64 x 1.25
Beam Collimation	20mm	20mm	20mm	20mm
KV/mA	120KV/300mA	120KV/250mA	120KV/250mA	120KV/250mA
Scan Type	Helical 0.5 sec	Helical 0.5 sec	Helical 0.5 sec	Helical 0.5 sec

Networking/ PACs: Send scouts
Send series 2 Standard Algorithm
Recon and send series 2 in bone algorithm
Recon in coronal and sagittal, bone algorithm, 1.25 x 1.25
Call film room to place images on disc for OR or to give to patient
*If IV contrast is given, ADD recon in axial in a soft tissue algorithm

Original Date: 4-8-04

Approved by: Dr. J. Campbell, MCR

Revised Date: 11/9/04, 1/11/10, 9/16/10, 12/8/10, 1/28/13, 12/15/15, 08/18/20

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