

SINUS COMPLETE HELICAL GO UP

Indications	Sinus pain, sinus pressure, headache, facial pain, nasal drip, cough					
Diagnostic Task	Detect sinusitis, polyps, sinus masses					
Scan Mode	Helical					
Position/Landmark	1cm inferior to the chin-supine					
Topogram	Lat 130kV 30mA					
kVp/Reference mass	110kV 230mA Care dose on					
Rotation time/pitch	1.00sec/0.55					
Detector Configuration	32x0.7					
Table Speed/Increment	12.32					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	30mGy-80mGy					
XR29 Dose Notification value	80mGy					
Helical Set-SUPINE	recon	body part	thickness spacing	kernel	window	recon destination
	1	Sinus bone	0.8mmx0.8mm	Hr60	Sinuses	pacs
	2	Sinus soft tissue large FOV	1mmx1mm	Br44	Mediastinum	pacs
	3	Sag sinus	1mmx1mm	Hr60	Sinuses	pacs
	4	Coronal sinus	1mmx1mm	Hr60	Sinuses	pacs
Scan start/end	Supine 1cm inferior to maxillary sinus 1cm superior to frontal sinus					
DFOV angle	Bone 18cm/Standard <25cm none					
IV contrast volume/type	80ml isovue , 2cc/sec if needed					
Scan delay	60 seconds/Performed as directed by the supervising radiologist					
Mark Right side of patient with BB.						

Note:	The Diagnostic Reference Dose (CTDI vol) is 75mGy(with 16cm CTDI phantom). The pass/fail limit (ACR and Washington state) is 80mGy. Most routine head scans on modern scanners have CTDIvol ranges between 40 and 60mGy.
	*The AAPM recommended NEXA XR29 Dose Notification Value for an adult head is 80mGy. The maximum CTDIvol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.