

# HELICAL COMPLETE SINUS GE 16

Indications	Trauma, Pain, Swelling, sinus pressure, sinus drainage, cough				
Diagnostic Task	Detect fractures, edema, masses, or sinus infections				
Scan mode	Helical				
Position/Landmark	Head first Supine S150-I75				
Topogram	AP/Lat mA 10 kV 120				
kVp/Reference mass	kv 120 200mA				
Rotation time/pitch	0.7sec/0.938:1				
Detector Configuration	16x0.625				
Table Speed/Increment	9.37				
Dose reduction	Noise Index na				
Allowed CTDI ranges*	7mGy-80mGy				
XR29 Dose Notification value	80mGy				
Helical Set	recon	body part	thickness spacing	algorithm	recon destination
	1	Sinus	.625mmx .625mm	bone	pacs
	2	Sinus large FOV	1.25mmx 1.25mm	standard	pacs
	3	coronal sinus	1mmx1mm	bone	pacs
	4	sag sinus	1mmx1mm	bone	pacs
Scan Start/End	1cm inferior to maxillary sinus				
	1cm superior to frontal sinus				
DFOV	Bone 18cm/Standard <25cm				
Angle	none				
IV contrast volume/rate	80ml isovue 370, 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.

