

# SINUS COMPLETE HELICAL GE 64

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-I100				
Topogram	Lat 10mA kV 120 AP 10mA kV 120 Lat				
kVp/Reference mass	kv 120 200mA				
Rotation time/pitch	0.5/0.531:1				
Detector Configuration	64x0.625				
Table Speed/Increment	10.62				
Dose reduction	Fixed mA				
Allowed CTDI ranges*	30mGy-80mGy				
XR29 Dose Notification value	80mGy				
Helical Set		body	thickness		recon
	recon	part	spacing	algorithm	destination
	1	Sinus	.625mmx .625mm	bone	pacs
	2	Sinus large FOV	1mmx 1mm	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				
	<b>Mark Right side of patient with BB.</b>				
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.

