

SINUS COMPLETE HELICAL 16 Sensation

Indications	Sinus pain, sinus pressure, headache, facial pain, nasal drip, cough					
Diagnostic Task	Dectect sinusitis, polyps, sinus masses					
Scan Mode	Helical					
Position/Landmark	1cm inferior to the chin-supine					
Topogram	Lat 80kV 50mA					
kVp/Reference mass	120kv 115mas					
Rotation time/pitch	0.75/0.55					
Detector Configuration	16x0.75					
Table Speed/Increment	6.6					
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	.75mmx .75mm	h70 very sharp	SINUSES	pacs
	2	sinus Large FOV	1mmx 1mm	31medium smooth	mediastinum	pacs
	3	Sinus	.75mmx.5mm	h60s sharp	Sinuses	mpr
	Coronal and sag bone 1mmx1mm reformat from recon 3					
Scan start/end	Supine 1cm inferior to maxillary sinus					
	1cm superior to frontal sinus					
DFOV	25cm					
angle	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.