SINUS COMPLETE HELICAL 16 Emotion

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 1cm inferior to the chin-supine
Topogram Direction	Lat 130kV mA
KV/Effective mAs	130kv 150mAs
Rotation time/pitch	1.0/0.8
Detector Confituraiton	16x0.6
table speed/Increment	12.8
Dose Reduction	Care dose 4D-off
Allowed CTDI ranges*	30mGy-80mGy
XR29 Dose Notification V	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	Coronal SINUS	1mmx 1mm	h60s sharp	SINUSES	pacs
4	Sag SINUS	1mmx1mm	h60s sharp	SINUSES	pacs

Scan start/end	Supine 1cm inferior to the Maxillary sinus 1cm superior to frontal sinus
DFOV	Bone 18cm/Standard <25cm
angle	none
Scan delay	80ml isovue , 2cc/sec if needed
	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.

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Approved by Dr Walker