

# ROUTINE Orbit 16 Sensation

Indications	<b>Trauma, Pain, Swelling</b>					
Diagnostic Task	<b>Detect fractures, edema, masses, or infection of the eye</b>					
Position/Landmark	Head first- Supine					
Scan Type	Helical					
Topogram Direction	Lateral mA kV					
KV/Effective mAs	120kv 115mas					
Rotation time/pitch	0.75/0.55					
Detector Confituraiton	16x0.75					
table speed/Increment	6.6					
Dose Reduction	Cared dose 4D					
Allowed CTDI ranges*	30mGy-80mGy					
XR29 Dose Notification V	80mGy					
Helical Set-SUPINE	recon	body part	thickness spacing	kernel	window	recon destination
	1	orbit bones	.75mmx .5mm	70 very sharp	osteo	mpr/pacs
	2	orbit soft tissue	2mmx 2mm	31 medium smooth	mediastinum	mpr/pacs
	3	orbit soft tissue	1mmx .7mm	31 medium smooth	mediastinum	mpr
Scan start/end	1cm superior to frontal sinus					
	through maxialla					
	25cm					
DFOV angle	none					
3D Technique Used	Coronal/sag 2mmx2mm reformat from recon 3 soft tissue					
IV contrast volume/type	80ml under 250lbs 100ml over 250lbs isovue 370 2cc/sec if needed					
Scan delay	60 seconds					

**Mark rt side of face with BB.**

NOTE*	The Diagnositc 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.

