

# Routine Orbit 64 GE

Indications	<b>Trauma, Pain, Swelling</b>																									
Diagnostic Task	<b>Detect fractures, edema, masses, or infection of the eye</b>																									
Scan mode	Helical																									
Position/Landmark	Head -Supine S100-I100																									
Topogram	AP 120kV 10mA /Lat 10mA 120kV																									
kVp/Reference mass	120kv 220mA																									
Rotation time/pitch	0.5/0.531:1																									
Detector Configuration	64x0.625																									
Table Speed/Increment	10.62																									
Dose reduction	Noise Index na																									
Allowed CTDI ranges*	7mGy-50mGy																									
XR29 Dose Notification value	50mGy																									
Helical Set	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 25%;">body part</th> <th style="width: 25%;">thickness spacing</th> <th style="width: 25%;">algorithm</th> <th style="width: 10%;">recon destination</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>orbit bones</td> <td>0.625mmx 0.625mm</td> <td>bone</td> <td>pacs</td> </tr> <tr> <td>2</td> <td>orbit soft tissue</td> <td>1.25mmx 1.25mm</td> <td>standard</td> <td>pacs</td> </tr> <tr> <td>3</td> <td>sag orbit soft tissue</td> <td>2mmx2mm</td> <td>standard</td> <td>pacs</td> </tr> <tr> <td>4</td> <td>coronal orbit soft tissue</td> <td>2mmx2mm</td> <td>standard</td> <td>pacs</td> </tr> </tbody> </table>		body part	thickness spacing	algorithm	recon destination	1	orbit bones	0.625mmx 0.625mm	bone	pacs	2	orbit soft tissue	1.25mmx 1.25mm	standard	pacs	3	sag orbit soft tissue	2mmx2mm	standard	pacs	4	coronal orbit soft tissue	2mmx2mm	standard	pacs
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Scan Start/end location	1cm superior to frontal sinus																									
	through maxilla																									
DFOV	25cm																									
angle	none																									
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*	<p>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.</p> <p style="text-align: center;">*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.</p>
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