

ROUTINE Orbit Siemens GO ALL

Indications	Trauma, Pain, Swelling																								
Diagnostic Task	Detect fractures, edema, masses, or infection of the eye																								
Position/Landmark	Head first- Supine																								
Scan Type	Helical																								
Topogram Direction	Lateral 30mA 130kV																								
KV/Effective mAs	110kv 521mas																								
Rotation time/pitch	1.0/0.55																								
Detector Confituraiton	32x0.7																								
table speed/Increment	12.32																								
Dose Reduction	Cared dose 4D																								
Allowed CTDI ranges*	30mGy-80mGy																								
XR29 Dose Notification V	80mGy																								
Helical Set-SUPINE	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 20%;">body part</th> <th style="width: 15%;">thickness spacing</th> <th style="width: 15%;">kernel</th> <th style="width: 15%;">window</th> <th style="width: 25%;">recon destination</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Orbit bone axial</td> <td>.6mmx .6mm</td> <td>Hr60</td> <td>bone</td> <td>pacs</td> </tr> <tr> <td>2</td> <td>Orbit soft tissue axial</td> <td>2mmx 2mm</td> <td>Br40</td> <td>mediastinum</td> <td>pacs</td> </tr> <tr> <td>3</td> <td>Orbit soft tissue Cor</td> <td>2mmx 2mm</td> <td>Br40</td> <td>mediastinum</td> <td>pacs</td> </tr> </tbody> </table>		body part	thickness spacing	kernel	window	recon destination	1	Orbit bone axial	.6mmx .6mm	Hr60	bone	pacs	2	Orbit soft tissue axial	2mmx 2mm	Br40	mediastinum	pacs	3	Orbit soft tissue Cor	2mmx 2mm	Br40	mediastinum	pacs
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Scan start/end	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 Diagnostc 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>*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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