

Routine Face 16 GE

Indications	Trauma, Pain, Swelling																														
Diagnostic Task	Detect fractures, edema, masses, or infection of the face																														
Scan mode	Helical																														
Position/Landmark	Head first -Supine																														
Topogram	AP 10mA 120kV / Lat 10mA 120kV																														
kVp/Reference mass	120kv 200mA																														
Rotation time/pitch	0.6/0.938:1																														
Detector Configuration	16x0.625																														
Table Speed/Increment	9.37																														
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: 10%;"></th> <th style="width: 30%;">body part</th> <th style="width: 20%;">thickness spacing</th> <th style="width: 30%;">algorithm</th> <th style="width: 10%;">recon destination</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>facial bones</td> <td>0.625mmx 0.625mm</td> <td>bone</td> <td>pac</td> </tr> <tr> <td>2</td> <td>facial soft tissue</td> <td>1.25mmx 1.25mm</td> <td>standard</td> <td>pac</td> </tr> <tr> <td>3</td> <td>coronal facial bones</td> <td>1mmx1mm</td> <td>bone</td> <td>pac</td> </tr> <tr> <td>4</td> <td>sag facial bones</td> <td>1mmx1mm</td> <td>bone</td> <td>pac</td> </tr> <tr> <td>5</td> <td>coronal facial soft tissue</td> <td>2mmx2mm</td> <td>standard</td> <td>pac</td> </tr> </tbody> </table>		body part	thickness spacing	algorithm	recon destination	1	facial bones	0.625mmx 0.625mm	bone	pac	2	facial soft tissue	1.25mmx 1.25mm	standard	pac	3	coronal facial bones	1mmx1mm	bone	pac	4	sag facial bones	1mmx1mm	bone	pac	5	coronal facial soft tissue	2mmx2mm	standard	pac
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Scan Start/end location	1cm superior to frontal sinus thru mandible																														
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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