

Temporal Bones GE 64

Indications																																																								
Diagnostic Task																																																								
Scan mode	Helical																																																							
Position/Landmark	Head first Supine S150-I100																																																							
Topogram	Lat 10mA kV 120 AP 10mA kV 120 Lat																																																							
kVp/Reference mass	kv 120 200mA?																																																							
Rotation time/pitch	0.5/?																																																							
Detector Configuration	64x0.625 ?																																																							
Table Speed/Increment	10.62?																																																							
Dose reduction	Fixed mA																																																							
Allowed CTDI ranges*	30mGy-80mGy																																																							
XR29 Dose Notification value	80mGy																																																							
Helical Set	<table border="1"> <thead> <tr> <th></th> <th>body</th> <th>thickness</th> <th></th> <th>recon</th> </tr> <tr> <th>recon</th> <th>part</th> <th>spacing</th> <th>algorithm</th> <th>destination</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IAC bilat bone</td> <td>.625mmx .625mm</td> <td>bone</td> <td>pacs</td> </tr> <tr> <td>2</td> <td>IAC bilat ST</td> <td>1.25mmx 1.25mm</td> <td>standard</td> <td>pacs</td> </tr> <tr> <td>3</td> <td>IAC axial bone RT</td> <td>.625mmx .625mm</td> <td>bone</td> <td>pacs</td> </tr> <tr> <td>4</td> <td>IAC axial bone LT</td> <td>.625mmx .625mm</td> <td>bone</td> <td>pacs</td> </tr> <tr> <td>5</td> <td>coronal IAC bone bilat</td> <td>.625mmx .625mm</td> <td>bone</td> <td>pacs</td> </tr> <tr> <td>6</td> <td>coronal IAC bone RT</td> <td>.625mmx .625mm</td> <td>bone</td> <td>pacs</td> </tr> <tr> <td>7</td> <td>coronal IAC bone LT</td> <td>.625mmx .625mm</td> <td>bone</td> <td>pacs</td> </tr> <tr> <td>8</td> <td>Oblique of Stenver</td> <td>1.25mmx1.25mm</td> <td>bone</td> <td>pacs</td> </tr> <tr> <td>9</td> <td>Oblique of Poschi</td> <td>1.25mmx1.25mm</td> <td>bone</td> <td>pacs</td> </tr> </tbody> </table>		body	thickness		recon	recon	part	spacing	algorithm	destination	1	IAC bilat bone	.625mmx .625mm	bone	pacs	2	IAC bilat ST	1.25mmx 1.25mm	standard	pacs	3	IAC axial bone RT	.625mmx .625mm	bone	pacs	4	IAC axial bone LT	.625mmx .625mm	bone	pacs	5	coronal IAC bone bilat	.625mmx .625mm	bone	pacs	6	coronal IAC bone RT	.625mmx .625mm	bone	pacs	7	coronal IAC bone LT	.625mmx .625mm	bone	pacs	8	Oblique of Stenver	1.25mmx1.25mm	bone	pacs	9	Oblique of Poschi	1.25mmx1.25mm	bone	pacs
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Scan Start/End	1cm inferior to mastoid tip/1cm superior to petrous bones																																																							
DFOV	25 cm bilat/ 10cm lt and rt mags																																																							
IV contrast volume/rate	80ml under 250lbs 100ml over 250lbs isovue 370 2cc/sec																																																							
	Performed as directed by a supervising radiologist																																																							
Scan Delay	65 seconds																																																							
	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.

