

Mandible 64 Toshiba

Indications	Trauma, Pain, Swelling				
Diagnostic Task	Detect fractures, edema, masses, or infection of the jaw				
Scan mode	Helical				
Position/Landmark	Head -Supine				
Topogram	AP/Lat 50mA 120kV				
kVp/Reference mass	120kV 150mA				
Rotation time/pitch	0.5/0.641				
Detector Configuration	64x0.5				
Table Speed/Increment	20.5				
Dose reduction	Sure Exp 3D -off				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification value	50mGy				
Helical Set		body	thickness		recon
	recon	part	spacing	algorithm	destination
	1	mandible bones	0.5mmx 0.5mm	bone sharp	pac
	2	mandible soft tissue	2mmx 2mm	ST sharp	pac
	3	coronal mandible bones	1mmx1mm	bone sharp	pac
4	sag mandible bones	1mmx1mm	bone sharp	pac	
Scan Start/end location	1cm superior to glenoid fossa				
	through inferior mandible				
DFOV	24cm				
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>*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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