

Mandible 64 Sensation

Indications	Trauma, Pain, Swelling												
Diagnostic Task	Detect fractures, edema, masses, or infection of the jaw												
Scan Mode	Helical												
Position/Landmark	Head first- Supine												
Topogram Direction	lateral 35mA 120kVp												
KV/Effective mAs	120kv 150mas												
Rotation time/pitch	1.0sec/0.55												
Detector Confituraiton	64x0.6												
table speed/Increment	21.12												
Dose Reduction	na												
Allowed CTDI ranges*	30mGy-80mGy												
XR29 Dose Notification V	80mGy												
Helical Set-SUPINE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 25%; text-align: center;">body</td> <td style="width: 25%; text-align: center;">thickness</td> <td style="width: 25%; text-align: center;">recon</td> </tr> <tr> <td style="text-align: center;">recon</td> <td style="text-align: center;">part</td> <td style="text-align: center;">spacing</td> <td style="text-align: center;">kernel</td> </tr> <tr> <td style="text-align: center;">window</td> <td style="text-align: center;">destination</td> <td colspan="2"></td> </tr> </table>		body	thickness	recon	recon	part	spacing	kernel	window	destination		
		body	thickness	recon									
	recon	part	spacing	kernel									
	window	destination											
	1	mandible bone	1mmx 1mm	70 very sharp	neuro bone	pacs							
2	mandible soft tissue	2mmx 2mm	31 medium smooth	mediastinum	pacs								
3	coronal mandible bones	1mmx1mm	70 very sharp	neuro bone	pacs								
4	sag mandible bones	1mmx1mm	70 very sharp	neuro bone	pacs								
Scan start/end	1cm superior to glenoid fossa												
	through inferior mandible												
DFOV	25cm												
IV contrast volume/type	80ml under 250lbs 100ml over 250lbs isovue 370 2cc/sec if needed												
	Performed as directed by a the supervising radiologist												
Scan delay	60 seconds												

Mark rt side of face with BB.

NOTE*	The Diagnositc 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.

