

ROUTINE NECK 16 Sensation

Indications	Sore throat, neck mass, difficulty swallowing, hoarseness												
Diagnostic Task	Detect lymphoma, cancer, neck abscess, lymphoma, vocal cord paralysis												
Scan Mode	Helical												
Position/Landmark	Head first supine 1cm superior to skull vertex-Craniocaudal												
Topogram	AP 120kV 100mA Lat 140kV 100mA												
kVp/Reference mass	120kv 150mas												
Rotation time/pitch	0.75/1.0												
Detector Configuration	16x0.75												
Table Speed/Increment	12												
Dose reduction	Care Dose 4D												
Allowed CTDI ranges*	30mGy-80mGy												
XR29 Dose Notification value	80mGy												
PRE INJECT	40ml at 1.5cc/sec wait 90sec												
Helical Set	body thickness recon												
60ML at 2.5cc/sec	recon part spacing kernel window destination												
30second delay	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1</td> <td style="width: 20%;">neck</td> <td style="width: 20%;">2mmx 2mm</td> <td style="width: 20%;">31medium smooth</td> <td style="width: 20%;">mediastinum</td> <td style="width: 15%;">pacs</td> </tr> <tr> <td>2</td> <td>neck</td> <td>1mmx0.8mm</td> <td>31medium smooth</td> <td>mediastinum</td> <td>mpr</td> </tr> </table> <p>2x2 coronal and sag neck reformats from recon 2</p>	1	neck	2mmx 2mm	31medium smooth	mediastinum	pacs	2	neck	1mmx0.8mm	31medium smooth	mediastinum	mpr
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2	neck	1mmx0.8mm	31medium smooth	mediastinum	mpr								
Axial Set(optional)	body thickness recon												
	recon part spacing kernel window destination												
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Scan Start/end location	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ROUTINE</td> <td style="width: 50%;">/ VOICE CHANGE/ VOCAL CORD PARALYSIS</td> </tr> <tr> <td>top of orbital roof</td> <td>/ top of orbital roof</td> </tr> <tr> <td>sternoclavicular junction</td> <td>/ down to the carina</td> </tr> </table>	ROUTINE	/ VOICE CHANGE/ VOCAL CORD PARALYSIS	top of orbital roof	/ top of orbital roof	sternoclavicular junction	/ down to the carina						
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top of orbital roof	/ top of orbital roof												
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DFOV	20cm-include area of interest do not clip nose												
IV contrast volume/type	40ml at 1.5cc/sec wait 90sec												
Scan delay	60ml at 2.5ml/sec at a 30sec delay												
	note: Please place a BB on any palpable mass												
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.												