

ROUTINE NECK 16 Emotion

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 kv130 mA25 LAT kv130 mA25																									
kVp/Reference mass	130kv 130mas/Care Dose ON																									
Rotation time/pitch	1.0sec/0.75																									
Detector Configuration	16x1.2																									
Table Speed/Increment	14.4																									
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	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 20%; text-align: center;">body</td> <td style="width: 20%; text-align: center;">thickness</td> <td style="width: 20%;"></td> <td style="width: 25%; text-align: center;">recon</td> </tr> <tr> <td>60ML at 2.5cc/sec</td> <td style="text-align: center;">recon part</td> <td style="text-align: center;">spacing</td> <td style="text-align: center;">kernel</td> <td style="text-align: center;">window destination</td> </tr> <tr> <td>30second delay</td> <td style="text-align: center;">1 neck</td> <td style="text-align: center;">2mmx 2mm</td> <td style="text-align: center;">31medium smooth</td> <td style="text-align: center;">mediastinum pacs</td> </tr> <tr> <td></td> <td style="text-align: center;">2 coronal neck</td> <td style="text-align: center;">2mmx2mm</td> <td style="text-align: center;">31medium smooth</td> <td style="text-align: center;">mediastinum pacs</td> </tr> <tr> <td></td> <td style="text-align: center;">3 sag neck</td> <td style="text-align: center;">2mmx2mm</td> <td style="text-align: center;">31medium smooth</td> <td style="text-align: center;">mediastinum pacs</td> </tr> </table>		body	thickness		recon	60ML at 2.5cc/sec	recon part	spacing	kernel	window destination	30second delay	1 neck	2mmx 2mm	31medium smooth	mediastinum pacs		2 coronal neck	2mmx2mm	31medium smooth	mediastinum pacs		3 sag neck	2mmx2mm	31medium smooth	mediastinum pacs
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Axial Set(optional)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 20%; text-align: center;">body</td> <td style="width: 20%; text-align: center;">thickness</td> <td style="width: 20%;"></td> <td style="width: 25%; text-align: center;">recon</td> </tr> <tr> <td></td> <td style="text-align: center;">recon part</td> <td style="text-align: center;">spacing</td> <td style="text-align: center;">kernel</td> <td style="text-align: center;">window destination</td> </tr> <tr> <td></td> <td style="text-align: center;">1 neck</td> <td style="text-align: center;">3mmx 3mm</td> <td style="text-align: center;">31medium smooth</td> <td style="text-align: center;">mediastinum pacs</td> </tr> </table> <p>only do if patient has dental hardware that causes artifact-angle away from teeth</p>		body	thickness		recon		recon part	spacing	kernel	window destination		1 neck	3mmx 3mm	31medium smooth	mediastinum pacs										
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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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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 scan 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.