

# ROUTINE NECK/CHEST wo 64 GE

<b>Indications</b>	For abdomen pain, lymphoma, restage ca, weight loss, fatigue,			
<b>Diagnostic Task</b>	Detect masses, free fluid, abscess, mets			
<b>Scan mode</b>	Helical			
<b>Position/Landmark</b>	Head first-Supine Xiphoid S200-I620			
<b>Topogram</b>	AP 120kV 20mA Lat 120kV 40mA			
<b>kVp/Reference mass</b>	120kv Auto mA neck(200-500) CAP (300-700)			
<b>Rotation time/pitch</b>	NECK 0.5/0.516:1 C/A/P 0.5/0.984:1			
<b>Detector Configuration</b>	NECK 64x0.625 C/A/P 64x0.625			
<b>Table Speed/Increment</b>	NECK 20.62 C/A/P 39.37			
<b>Dose reduction</b>	NECK 12.60 C/A/P Noise Index 15.86			
<b>Allowed CTDI ranges*</b>	7mGy-50mGy			
<b>XR29 Dose Notification value</b>	50mGy			
<b>Helical Set 1</b>	recon	body part	thickness spacing	recon destination
<b>Chest</b>	1	chest	2.5mmx 2.5mm	standard pacs
<b>arms up</b>	2	lung	1.25mmx1.25mm	lung pacs
	3	sag chest	2mmx2mm	standard pacs
	4	coronal chest	2mmx2mm	standard pacs
	5	axial MIP lung	10mmx2mm	standard pacs
<b>Helical Set 2</b>	recon	body part	thickness spacing	recon destination
<b>Neck</b>	1	neck	2mmx 2mm	standard pacs
<b>arms down</b>	2	coronal neck	2mmx2mm	standard pacs
	3	sag neck	2mmx2mm	standard pacs
<b>Scan start</b>	Chest-1cm superior to shoulder/		neck-top of orbital roof	
<b>End location</b>	L1		/ neck base	
<b>FOV</b>	40cm		20cm	
	decrease appropriately			
<b>IV contrast-split bolus</b>	na			
<b>Delay</b>	na			
	MARK AREA OF PAIN WITH BB			
	Approximate values for CTDIvol			
	Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)
	SMALL	50-70	110-155	10-17
	AVERAGE	70-90	155-200	15-25
	LARGE	90-120	200-265	22-35

NOTE\*

\*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol 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.

