

# ROUTINE NECK/CHEST wo 64 Sensation

Indications	For abdomen pain, lymphoma, restage ca, weight loss, fatigue cough					
Diagnostic Task	Detect masses, free fluid, abscess, mets					
Scan mode	Helical-Inspiration					
Position/Landmark	2cm superior to xiphoid/Inspiration					
Topogram	AP 60mA 120kV PA 60mA 120kv					
kVp/Reference mass	Neck 120kv 260mA C/A/P 120kv 200mA-100kv if pt under 140lbs					
Rotation time/pitch	NECK 1.0/0.9 C/A/P 0.5/0.8					
Detector Configuration	NECK 24x1.2 C/A/P 64x0.6					
Table Speed/Increment	NECK 25.92 C/A/P 23.04					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set#1						
Chest  arms up	recon	body part	thickness spacing	kernel	window	recon destination
	1	chest	2mmx2mm	31medium smooth	Mediastinum	pac
	2	Lung	1.5mmx1.5mm	70sharp	lung	pac
	3	sag chest	2mmx2mm	31medium smooth	mediastinum	pac
	4	coronal chest	2mmx2mm	31medium smooth	mediastinum	pac
	5	lung	10mmx2mm	B20f smooth	lung	pac
Helical Set#2						
Neck  arms down	recon	body part	thickness spacing	kernel	window	recon destination
	1	neck	2mmx 2mm	31medium smooth	mediastinum	pac
	2	coronal neck	2mmx2mm	31medium smooth	mediastinum	pac
	3	sag neck	2mmx2mm	31medium smooth	mediastinum	pac
Scan start	Chest-1cm superior to shoulder/			neck-top of orbital roof		
End location	L1			/ neck base		
FOV	40cm			20cm		
	decrease appropriately					
IV contrast-split bolus	na					
Delay	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.					

