ROUTINE NECK/CHEST wo
16 Emotion

Indications	For abdomen pain, lymphoma, restage ca, weight loss, fatigue,					
Diagnostic Task	Detect masses, free fluid, abscess, mets					
Scan mode	Helical					
Position/Landmark	2cm superior to xiphoid/Inspiration					
Topogram	AP 25mA 130kV Lat 25mA 130kV					
kVp/Reference mass	130kv 120mas-110kv if pt over 140lbs					
Rotation time/pitch	neck 0.8/0.75 C/A/P 0.6/0.8					
Detector Configuration	neck 16x1.2 C/A/P 16x1.2					
Table Speed/Increment	neck 14.4 C/A/P 15.36					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set#1		body	thickness			recon
Chest	recon	part	spacing	kernel	window	destination
	1	chest	2mmx2mm	31medium smooth	Mediastinum	pacs
arms up	2	lung	1.5mmx1.5mm	70sharp	lung	pacs
	3	sag chest	2mmx2mm	31medium smooth	mediastinum	pacs
	4	coronal chest	2mmx2mm	31medium smooth	mediastinum	pacs
	7	axial mip lung	10mmx2mm	b20f smooth	lung	pacs
Helical Set#2		body	thickness			recon
	recon	part	spacing	kernel	window	destination
arms down	1	neck	2mmx 2mm	31medium smooth	mediastinum	pacs
	2	coronal neck	2mmx2mm	31medium smooth	mediastinum	pacs
	3	sag neck	2mmx2mm	31medium smooth	mediastinum	pacs
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					
NOTE*	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.

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