ROUTINE NECK/CHEST

16 Sensation

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 50mA 140kV					
kVp/Reference mass	120kv 200mas-100kv if pt under 140lbs					
Rotation time/pitch	NECK 0.75/1.0 Chest 0.5/0.95					
Detector Configuration	NECK 16x0.75 Chest 16x0.75					
Table Speed/Increment	NECK 12 Chest 11.4					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification valu	50mGy					
Helical Set#1		body	thickness			recon
Chest	recon	part	spacing	kernel	window	destination
60sec	1	chest	2mmx2mm	31medium smooth	Mediastinum	pacs
arms up	2	lung	1.5mmx1.5mm	70sharp	lung	pacs/pacs
	3	chest	1mmx0.8mm	31medium smooth	Mediastinum	mpr
	4	lung	1mmx0.8mm	b20f smooth	lung	mpr
Helical Set#2		body	thickness			recon
NECK	recon	part	spacing	kernel	window	destination
30SEC	1	neck	2mmx 2mm	31medium smooth	mediastinum	pacs
arms down	2	neck	1mmx0.8mm	31medium smooth	mediastinum	mpr
3D Technique Used	2x2 coronal and sag neck reformats from helical set #2, recon 2					
	2x2 coronal and sag chest reformats from helical set #1, recon 3					
	10x2 axial mip lung from recon 5					
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	Chest <200lbs 75ml, 200-250lbs 100ml, >250lbs 125ml isovue 370					
	neck 50ml isovue 370					
	Performed as directed by a supervising radiologist					
Delay	chest 60-neck 30sec					
	IV CONTRAST, 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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