

ROUTINE NECK/CHEST/ABD/PELVIS

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					
Chest/abd/pelvis	recon	body part	thickness spacing	kernel	recon window destination
60sec arms up	1	chest/abd/pelvis	2mmx2mm	31medium smooth	Mediastinum pacs
	2	lung	1.5mmx1.5mm	70sharp	lung pacs
	3	sag chest	2mmx2mm	31medium smooth	mediastinum pacs
	4	coronal chest	2mmx2mm	31medium smooth	mediastinum pacs
	5	coronal abdomen	2mmx2mm	31medium smooth	mediastinum pacs
	6	sag abdomen	2mmx2mm	31medium smooth	mediastinum pacs
	7	axial mip lung	10mmx2mm	b20f smooth	lung pacs
Helical Set#2					
30sec arms down	recon	body part	thickness spacing	kernel	recon window destination
	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	C/A/P-1cm superior to shoulder/		neck-top of orbital roof		
End location	lesser trochanter /		neck base		
FOV	40cm		20cm		
	decrease appropriately				
IV contrast-split bolus	CAP <200lbs 75ml, 200-250lbs 100ml, >250lbs 125ml isovue 370				
	neck 50ml isovue 370				
	Performed as directed by a supervising radiologist				
Delay	chest/abd/pel 60-neck 30sec				
	WITH ORAL AND 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.

