

Routine Chest/abd/pelvis wo16 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 mA kV				
kVp/Reference mass	120kv 200mas-100kv if pt under 140lbs				
Rotation time/pitch	0.5/0.95				
Detector Configuration	16x0.75				
Table Speed/Increment	11.4				
Dose reduction	CareDose 4D				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification val	50mGy				
Helical Set#1	recon	body part	thickness spacing	kernel	window recon destination
Chest/abd/pelvis	1 chest /abd/pelvis		2mmx2mm	31medium smooth	Mediastinum pacs
	2 lung		1.5mmx1.5mm	60sharp	lung pacs
	3 chest		1mmx0.8mm	31medium smooth	Mediastinum mpr
	4 abd/pelvis		1mmx.8mm	31medium smooth	Mediastinum mpr
	5 lung		1mmx.8mm	b20f smooth	lung mpr
	2x2 coronal and sag chest reformats from helical set #1, recon 3(chest)				
	2x2 coronal and sag abdomen/pelvis reformats from helical set #1, recon 4(abd/pel)				
	10x2 axial MIP from helical set #1 recon 5				
Scan Start/end location	Helical set 1-Chest/A/P-1cm superior to shoulder				
	lesser trochanter				
DFOV	40cm				
	decrease appropriately				
IV contrast volume/type	na				
Scan delay	na				
	WITH ORAL 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.				

