

Routine Chest/abd with 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 mA kV					
kVp/Reference mass	130kv 120mas-110kv if pt over 140lbs					
Rotation time/pitch	0.6/0.8					
Detector Configuration	16x1.2					
Table Speed/Increment	15.36					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set#1						
Chest/Abd	recon	body part	thickness spacing	kernel	window	recon destination
	1	chest/abd	2mmx2mm	31medium smooth	Mediastinum	pac
	2	lung	1.5mmx1.5mm	60sharp	lung	pac
	3	sag chest	2mmx2mm	31medium smooth	mediastinum	pac
	4	coronal chest	2mmx2mm	31medium smooth	mediastinum	pac
	5	coronal abdomen	2mmx2mm	31medium smooth	mediastinum	pac
	6	sag abdomen	2mmx2mm	31medium smooth	mediastinum	pac
	7	axial mip lung	10mmx2mm	b20f smooth	lung	pac
Scan Start/end location	1cm superior to shoulder					
	Superior iliac crest					
DFOV	40cm					
	decrease appropriately					
IV contrast volume/type	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 2.5-3cc/sec					
	Performed as directed by a supervising radiologist					
Scan delay	60seconds					
	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.					

