

# Routine Chest/abd without 64 Sensation

<b>Indications</b>	For abdomen pain, lymphoma, restage ca, weight loss, fatigue,					
<b>Diagnostic Task</b>	Detect masses, free fluid, abscess, mets					
<b>Scan mode</b>	Helical					
<b>Position/Landmark</b>	2cm superior to xiphoid/Inspiration					
<b>Topogram</b>	AP 50mA 120kV					
<b>kVp/Reference mass</b>	120kv 200mas-100kv if pt under 140lbs					
<b>Rotation time/pitch</b>	0.5/0.8					
<b>Detector Configuration</b>	64x0.6					
<b>Table Speed/Increment</b>	23.04					
<b>Dose reduction</b>	CareDose 4D					
<b>Allowed CTDI ranges*</b>	7mGy-50mGy					
<b>XR29 Dose Notification value</b>	50mGy					
<b>Helical Set#1</b>	recon	body part	thickness spacing	kernel	window	recon destination
<b>Chest/Abd</b>						
	1 chest/abd		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
<b>Scan Start/end location</b>	1cm superior to shoulder					
	superior iliac crest					
<b>DFOV</b>	40cm					
	decrease appropriately					
<b>IV contrast volume/type</b>	na					
<b>Scan delay</b>						
	WITH ORAL, MARK AREA OF PAIN WITH BB					
	<b>Approximate Values for CTDIvol</b>					
	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		
<b>NOTE*</b>	*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.					

