

# Routine Chest/abd with 16 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 140kV
<b>kVp/Reference mass</b>	120kv 200mas-100kv if pt under 140lbs
<b>Rotation time/pitch</b>	0.5/0.95
<b>Detector Configuration</b>	16x0.75
<b>Table Speed/Increment</b>	11.4
<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>	body thickness recon
<b>Chest/abd</b>	recon part spacing kernel window recon destination
	1 chest /abd 2mmx2mm 31medium smooth Mediastinum pacs
	2 lung 1.5mmx1.5mm 60sharp lung pacs
	3 chest 1mmx0.8mm 31medium smooth Mediastinum mpr/pacs
	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)
	10x2 axial MIP from helical set #1 recon 5
<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>	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 2.5-3cc/sec Performed as directed by a supervising radiologist
<b>Scan delay</b>	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.

