

# ROUTINE CHEST/ABDOMEN/PELVIS 64 GE

<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>	Head first-Supine Xiphoid S60-I650				
<b>Topogram</b>	AP 120kV 20mA Lat 120kV 40mA				
<b>kVp/Reference mass</b>	120kv Auto mA (300-700)				
<b>Rotation time/pitch</b>	0.5/0.984:1				
<b>Detector Configuration</b>	64x0.625				
<b>Table Speed/Increment</b>	39.37				
<b>Dose reduction</b>	Noise Index 15.86				
<b>Allowed CTDI ranges*</b>	7mGy-50mGy				
<b>XR29 Dose Notification value</b>	50mGy				
<b>Helical Set</b>	recon	body part	thickness spacing	algorithm	recon destination
	1	chest/abdomen/pelvis	2.5mmx 2.5mm	standard	paces
	2	lung	1.25mmx1.25mm	lung	paces
	3	sag abdomen	2mmx2mm	standard	paces
	4	coronal abdomen	2mmx2mm	standard	paces
	5	sag chest	2mmx2mm	standard	paces
	6	coronal chest	2mmx2mm	standard	paces
	7	axial MIP lung	10mmx2mm	standard	paces
<b>Scan start/end location</b>	helical set 1 C/A/P-1cm superior to shoulder lesser trochanter				
<b>IV contrast volume/rate</b>	40cm decrease appropriately				
<b>Scan delay</b>	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 2.5-3cc/sec Performed as directed by a supervising radiologist 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	
<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.				

