

ROUTINE CHEST/ABDOMEN with 64 GE

Indications	For abdomen pain, lymphoma, restage ca, weight loss, fatigue,				
Diagnostic Task	Detect masses, free fluid, abscess, mets				
Scan mode	Helical				
Position/Landmark	Head first-Supine Xiphoid S60-I650				
Topogram	AP 120kV 20mA Lat 120kV 40mA				
kVp/Reference mass	120kv Auto mA (300-700)				
Rotation time/pitch	0.5/0.984:1				
Detector Configuration	64x0.625				
Table Speed/Increment	39.37				
Dose reduction	Noise Index 15.86				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification value	50mGy				
Helical Set	recon	body part	thickness spacing	algorithm	recon destination
	1	chest/abdomen	2.5mmx 2.5mm	standard	pacs
	2	lung	1.25mmx1.25mm	lung	pacs
	3	sag abdomen	2mmx2mm	standard	pacs
	4	coronal abdomen	2mmx2mm	standard	pacs
	5	sag chest	2mmx2mm	standard	pacs
	6	coronal chest	2mmx2mm	standard	pacs
	7	axial MIP lung	10mmx2mm	standard	pacs
Scan start/end location	1cm superior to shoulder superior iliac crest				
IV contrast volume/rate	40cm decrease appropriately				
Scan delay	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	
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.				

