

# ROUTINE CHEST/ABDOMEN/PELVIS 64 Toshiba

Indications	For abdomen pain, lymphoma, restage ca, weight loss, fatigue,				
Diagnostic Task	Detect masses, free fluid, abscess, mets				
Scan mode	Helical				
Position/Landmark	Head or feet first-Supine				
Topogram	AP mA50 kV120 /Lat mA 70 kV120				
kVp/Reference mass	120kV average pt 135kV XL pt- Sure Exp 3D(120-550)				
Rotation time/pitch	0.5\1.484				
Detector Configuration	64x0.5				
Table Speed/Increment	47.48				
Dose reduction	Sure Exp 3D				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification value	50mGy				
<b>Helical Set #1 60 sec delay</b>	recon	body part	thickness spacing	algorithm	recon destination
	1	chest/abdomen/pelvis	2mmx 2mm	standard	pac
	2	lung	1mmx1mm	lung	pac
	3	sag abdomen	2mmx2mm	standard	pac
	4	coronal abdomen	2mmx2mm	standard	pac
	5	sag chest	2mmx2mm	standard	pac
	6	coronal chest	2mmx2mm	standard	pac
	7	axial MIP lung	10mmx2mm	standard	pac
Scan start/end location	helical set 1 C/A/P-1cm superior to shoulder lesser trochanter				
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.

