

# ROUTINE CHEST/ABDOMEN with 64 Toshiba

<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 or feet first-Supine				
<b>Topogram</b>	AP mA50 kV120 /Lat mA 70 kV120				
<b>kVp/Reference mass</b>	120kV average pt 135kV XL pt- Sure Exp 3D(120-550)				
<b>Rotation time/pitch</b>	0.5\1.484				
<b>Detector Configuration</b>	64x0.5				
<b>Table Speed/Increment</b>	47.48				
<b>Dose reduction</b>	Sure Exp 3D				
<b>Allowed CTDI ranges*</b>	7mGy-50mGy				
<b>XR29 Dose Notification value</b>	50mGy				
<b>Helical Set #1 60 sec delay</b>	recon	body part	thickness spacing	algorithm	recon destination
	1	chest/abdomen	2mmx 2mm	standard	pacS
	2	lung	1mmx1mm	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
<b>Scan start/end location</b>	1cm superior to shoulder				
	superior iliac crest				
<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				

<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

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.

