

# ROUTINE ABDOMEN/PELVIS 64 Toshiba

<b>Indications</b>	For abdomen pain, lymphoma, vomiting, bloating, liver mets		
<b>Diagnostic Task</b>	Detect masses, diverticulitis, free fluid, appendicitis, abscess, obstruction		
<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\0.828		
<b>Detector Configuration</b>	64x0.5		
<b>Table Speed/Increment</b>	26.5		
<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</b>	body	thickness	recon
<b>70 sec delay</b>	recon part	spacing	algorithm destination
	1 abdomen/pelvis	2mmx 2mm	standard pacs
	2 sag abdomen	2mmx2mm	standard pacs
	3 coronal abdomen	2mmx2mm	standard pacs
<b>Scan start/end location</b>	1cm superior to diaphragm		
	lesser trochanters		
<b>IV contrast volume/rate</b>	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 2.5-3cc/sec		
<b>Scan delay</b>	Performed as directed by the supervising radiologist		
	70seconds		
	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
<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.		

