

# CTA Abd/Pelvis 64 Toshiba

<b>Indications</b>	trauma, acute aortic syndrome, suspected aneurysm/dissection				
<b>Diagnostic Task</b>	Detect aneurysms, aortic dissections and				
<b>Scan mode</b>	Helical				
<b>Position/Landmark</b>	Head or feet first-Supine 1cm superior to shoulder				
<b>Topogram</b>	AP mA50 kV120 /Lat mA 70 kV120				
<b>kVp/Reference mass</b>	135kv Sure Exp 3D(80-550)				
<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> non con	recon	body part	thickness spacing	algorithm	recon destination
	1	abd/pelvis	2mmx 2mm	standard	pac
	if patient under 40 ask about non contrast images				
<b>Helical Set #2</b> arterial	recon	body part	thickness spacing	algorithm	recon destination
	1	abd/pelvis	2mmx 2mm	standard	pac
	2	sag abd/pel	2mmx2mm	standard	pac
	3	coronal abd/pel	2mmx2mm	standard	pac
	4	MIP coronal aorta	5mmx2mm	standard	pac
	5	MIP sag aorta	5mmx2mm	standard	pac
	6	thin	1mmx0.8mm	standard	pac/TR
<b>Scan Start/end location</b>	Hepatic dome Symphysis pubis				
<b>DFOV</b>	40cm				
<b>IV contrast volume/type</b>	100ml isovue 370 3-4cc/sec				
<b>Scan delay</b>	Surestart				
	bolus tracking in aorta T-12 level				
	<b>Approximate Values for CTDIvol</b>				
	Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)	
	SMALL	50-70	110-155	4-10	
	AVERAGE	70-90	155-200	8-16	
	LARGE	90-120	200-265	14-22	
<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.				

