

T-SPINE 64 Toshiba

Indications	upper back pain, fall, surgery, trauma				
Diagnostic Task	Detect fractures, herniated disk, spinal stenosis				
Scan mode	Helical				
Position/Landmark	Head or feet first-Supine 1cm superior to sternal notch				
Topogram	AP mA 50 kV 120/Lat mA 100 kV 120				
kVp/Reference mass	135kv Sure Exp 3D(120-550)				
Rotation time/pitch	0.75/0.641				
Detector Configuration	64x0.5				
Table Speed/Increment	20.5				
Dose reduction	Sure Exp 3D high quality				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification value	50mGy				
Helical Set		body	thickness		recon
	recon	part	spacing	algorithm	destination
	1	t-spine thin	0.5mmx .5mm	bone sharp	pacs
	2	t-spine	2mmx 2mm	standard	pacs
	3	sag t-spine	2mmx2mm	bone sharp	pacs
	4	coronal t-spine	2mmx2mm	bone sharp	pacs
	5	sag t-spine	2mmx2mm	standard	pacs
6	coronal t-spine	2mmx2mm	standard	pacs	
Scan Start/end location	1cm superior to c-7				
	1cm inferior to t-12				
DFOV	18 cm decrease appropriately				
IV contrast volume/type	none				
Scan delay	none				
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.				