

T-SPINE 64 Sensation

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/Lat 120mA 120kV					
kVp/Reference mass	120kv 300mAs					
Rotation time/pitch	1.0/0.7					
Detector Configuration	64x0.6					
Table Speed/Increment	26.88					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set		body	thickness			recon
	recon	part	spacing	kernel	window	destination
	1	t-spine thin	0.6mmx .6mm	70 sharp	osteo	pac
	2	t-spine	2mmx 2mm	31medium smooth	mediastinum	pac
	3	sag t-spine	2mmx2mm	60sharp	osteo	pac
	4	coronal t-spine	2mmx2mm	60sharp	osteo	pac
	5	sag t-spine	2mmx2mm	31medium smooth	mediastinum	pac
6	coronal t-spine	2mmx2mm	31medium smooth	mediastinum	pac	
Scan Start/end location	1cm superior to c-7					
	1cm inferior to t-12					
DFOV	25 cm decrease appropriately					
IV contrast volume/type	none					
Scan delay	none					
	if metal present increase kVp to 140 and use extended scale					
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.					