

L-SPINE 16 GE	
Indications	Lower back pain, fall, surgery, trauma
Diagnostic Task	Detect fractures, herniated disk, spinal stenosis
Scan mode	Helical
Position/Landmark	Head Supine -iliac crest S250-I250
Topogram	AP mA 10 kV 120 /Lat 40mA 120kv
kVp/Reference mass	120kv Smart mA (100-440)
Rotation time/pitch	0.8/0.938
Detector Configuration	16x0.625
Table Speed/Increment	9.37
Dose reduction	Noise Index 24.32
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy
Helical Set	body thickness recon
	recon part spacing algorithm destination
	1 I-spine thin 0.625mmx .625mm bone pacs/mpr
	2 I-spine 1.25mmx 1.25mm standard pacs
	3 sag I-spine 2mmx2mm bone pacs
	4 coronal I-spine 2mmx2mm bone pacs
	5 sag I-spine 2mmx2mm standard pacs
	6 coronal I-spine 2mmx2mm standard pacs
Scan Start/end location	1cm superior to L-1 and 1cm inferior to L-5
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 toros 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.