L-SPINE 64 Siemens

Indications	Lower back pain, fall, surgery, trauma
Diagnostic Task	Detect fractures, herniated disk, spinal stenosis
Scan mode	Helical
Position/Landmark	Head or feet first-Supine
Topogram	AP/Lat 120mA 120kv
kVp/Reference mass	120kv 240mAs
Rotation time/pitch	1.0/0.8
Detector Configuration	64x0.6
Table Speed/Increment	6.72
Dose reduction	Care Dose 4D
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy

Helical Set

recon	body part	thickness spacing	algorithm	recon destination	
1	l-spine thin	1mmx 1mm	50s sharp	neuro bone	pacs
2	l-spine	2mmx 2mm	31medium smooth	mediastinum	pacs
3	sag l-spine	2mmx2mm	50s sharp	neuro bone	pacs
4	coronal l-spine	2mmx2mm	50s sharp	neuro bone	pacs
5	sag l-spine	2mmx2mm	31medium smooth	mediastinum	pacs
6	coronal l-spine	2mmx2mm	31medium smooth	mediastinum	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
	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.

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Approved by Dr Walker