

C-SPINE GO ALL

Indications	Neck pain, fall, surgery, trauma					
Diagnostic Task	Detect fractures, herniated disk, spinal stenosis					
Scan mode	Helical					
Position/Landmark	Head or feet first-Supine Vertex of head					
Topogram	AP/Lat 30mA 130kV					
kVp/Reference mass	130kv 129mAs					
Rotation time/pitch	1.0/0.8					
Detector Configuration	32x0.7					
Table Speed/Increment	17.92					
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	thin c-spine	0.8mmx0.8mm	Br60	osteo	pac
	2	c-spine	2mmx 2mm	Br40	spine disc	pac
	3	Cor ST	2mmx 2mm	Br40	spine disc	pac
	4	Sag ST	2mmx 2mm	Br40	spine disc	pac
	5	Cor Bone	2mmx2mm	Br60	osteo	pac
6	Sag Bone	2mmx2mm	Br60	osteo	pac	
Scan Start/end location	1cm superior to base of skull					
	1cm inferior to c-7					
DFOV	18 cm decrease appropriately					
	do a modified axial reformat 2x2(to get an axial view of c-spine)in bone					
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.					