

# C-SPINE 16 GE

Indications	Neck pain, fall, surgery, trauma				
Diagnostic Task	Detect fractures, herniated disk, spinal stenosis				
Scan mode	Helical				
Position/Landmark	Head first-Supine Sternal Notch S275-I60				
Topogram	AP120kV 10mA/Lat 120kV 40mA				
kVp/Reference mass	120kv Smart mA (100-440)				
Rotation time/pitch	0.7/0.938:1				
Detector Configuration	16x0.625				
Table Speed/Increment	9.37				
Dose reduction	Noise Index 13.86				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification value	50mGy				
Helical Set		body	thickness		recon
	recon	part	spacing	algorithm	destination
	1	thin c-spine	.625mmx.625mm	bone	mpr/pacs
	2	c-spine	1.25mmx 1.25mm	standard	mpr /pacs
	3	sag c-spine	2mmx2mm	bone	pacs
	4	coronal c-spine	2mmx2mm	bone	pacs
	5	sag c-spine	2mmx2mm	standard	pacs
6	coronal c-spine	2mmx2mm	standard	pacs	
Scan Start/end location	1cm superior to base of skull				
	1cm inferior to c-7				
DFOV	18 cm decrease appropriately				
	If axial images of c-spine were not obtained because of pt's kyphosis please				
	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 Notificaton 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.				