

C-SPINE 64 Sensation

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|-------------------------------------|--|-----------------|------------|-----------------|-------------|-------------|
| Indications | Neck pain, fall, surgery, trauma | | | | | |
| Diagnostic Task | Detect fractures, herniated disk, spinal stenosis | | | | | |
| Scan mode | Helical | | | | | |
| Position/Landmark | Head or feet first-Supine at Vertex of head | | | | | |
| Topogram | AP/Lat 120mA 120kV | | | | | |
| kVp/Reference mass | 120kv 210mAs | | | | | |
| 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 | c-spine thin | 0.6mmx.6mm | 70sharp | osteo | pac |
| | 2 | c-spine | 2mmx 2mm | 31medium smooth | mediastinum | pac |
| | 3 | sag c-spine | 2mmx2mm | 60sharp | osteo | pac |
| | 4 | coronal c-spine | 2mmx2mm | 60sharp | osteo | pac |
| | 5 | sag c-spine | 2mmx2mm | 31medium smooth | mediastinum | pac |
| Recon Destination | 6 | coronal c-spine | 2mmx2mm | 31medium smooth | mediastinum | pac |
| Scan Start/end location | 1cm superior to base of skull | | | | | |
| | 1cm inferior to c-7 | | | | | |
| DFOV | 18 cm decrease appropriately | | | | | |
| 3D Technique Used | 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 | | | | | |
| | 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. | | | | | |