

T-SPINE GE 64

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|------------------------------|--|-----------------|----------------|-----------|-------------|
| Indications | upper back pain, fall, surgery, trauma | | | | |
| Diagnostic Task | Detect fractures, herniated disk, spinal stenosis | | | | |
| Scan mode | Helical | | | | |
| Position/Landmark | Head first Supine Sternal notch S50-L350 | | | | |
| Topogram | AP mA 20 kV 120/Lat mA 80 kV 120 | | | | |
| kVp/Reference mass | kv 120 Auto mA (100-60) | | | | |
| Rotation time/pitch | 0.8/0.984:1 | | | | |
| Detector Configuration | 64x0.625 | | | | |
| Table Speed/Increment | 39.37 | | | | |
| Dose reduction | Noise Index 21.45 | | | | |
| Allowed CTDI ranges* | 7mGy-50mGy | | | | |
| XR29 Dose Notification value | 50mGy | | | | |
| Helical Set | | body | thickness | | recon |
| | recon | part | spacing | algorithm | destination |
| | 1 | t-spine thin | 0.6mmx .6mm | bone | pacs |
| | 2 | t-spine | 1.25mmx 1.25mm | standard | pacs |
| | 3 | sag t-spine | 2mmx2mm | bone | pacs |
| | 4 | coronal t-spine | 2mmx2mm | bone | pacs |
| | 5 | sag t-spine | 2mmx2mm | standard | pacs |
| 6 | coronal t-spine | 2mmx2mm | standard | pacs | |
| Scan Start/end location | 1cm superior to c-7 | | | | |
| | 1cm inferior to t-12 | | | | |
| DFOV | 25 cm decrease appropriately | | | | |
| 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. | | | | |