

T-SPINE GE 16

| | | | | | | |
|------------------------------|--|-----------------|-----------------|-----------|------|-------------|
| 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 S25-I400 | | | | | |
| Topogram | AP mA 10 kV 120/Lat mA 20 kV 120 | | | | | |
| kVp/Reference mass | kv 120 Smart mA (100-440) | | | | | |
| Rotation time/pitch | 0.7/0.938 | | | | | |
| Detector Configuration | 16x0.625 | | | | | |
| Table Speed/Increment | 13.75 | | | | | |
| Dose reduction | Noise Index 24.31 | | | | | |
| Allowed CTDI ranges* | 7mGy-50mGy | | | | | |
| XR29 Dose Notification value | 50mGy | | | | | |
| Helical Set | | body | thickness | | | recon |
| | | part | spacing | algorithm | | destination |
| | 1 | t-spine thin | 0.625mmx .625mm | 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 | 18 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. | | | | | |