

Ankle 64 Sensation

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|--|--|---------------------|-------------------|----------------|-------------|-------------------|
| Indications | Pain, swelling, trauma | | | | | |
| Diagnostic Task | Detects fractures, hematomas, arthritis, bone cyst | | | | | |
| Scan mode | Helical | | | | | |
| Position/Landmark | Head or feet first-supine-include joint of interest only | | | | | |
| Topogram | AP 35mA 120kV LAT 35mA 120kV | | | | | |
| kVp/Reference mass | 120kv 120mas | | | | | |
| Rotation time/pitch | 1.0/0.8 | | | | | |
| Detector Configuration | 12x0.6 | | | | | |
| Table Speed/Increment | 57.6 | | | | | |
| Dose reduction | na | | | | | |
| Allowed CTDI ranges* | 7mGy-50mGy | | | | | |
| XR29 Dose Notification value | 50mGy | | | | | |
| Helical Set | recon | body part | thickness spacing | kernel | window | recon destination |
| | 1 | soft tissue | .75mmx.5mm | 30smooth | mediastinum | mpr |
| | 2 | ankle | 2mmx 2mm | 30smooth | mediastinum | pacs |
| | 3 | ankle | .75mmx .5mm | 80ultra sharp | osteo | pacs |
| | 4 | coronal bone | 2mmx2mm | 80 ultra sharp | osteo | pacs |
| | 5 | sag bone | 2mmx2mm | 80ultra sharp | osteo | pacs |
| | 6 | soft tissue coronal | 2mmx2mm | 30smooth | mediastinum | pacs |
| | 7 | soft tissue sag | 2mmx2mm | 30smooth | mediastinum | pacs |
| Scan Start/end location | 2cm superior to tibial metadiaphysis | | | | | |
| | 2cm inferior calcaneus tuberosity | | | | | |
| | include all of fx and hardware | | | | | |
| DFOV | 25 cm | | | | | |
| | decrease appropriately | | | | | |
| 3D Technique Used | do 3d spin with recon 1-if fracture seen | | | | | |
| IV contrast volume/type | 100ml -isovue 370- if needed for soft tissue infection or mass | | | | | |
| Scan delay | 90seconds-Performed as directed by a the supervising radiologist | | | | | |
| note: If hardware present use extended ct scale and increase kv to 140 | | | | | | |
| Use axial image for sag and coronal reformats | | | | | | |



