# Ankle 16 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/Lat 50mA 140kV |
| **kVp/Reference mass** | 120kv 120mas |
| **Rotation time/pitch** | 0.75/0.75 |
| **Detector Configuration** | 2x0.6 |
| **Table Speed/Increment** | 0.9 |
| **Dose reduction** | Care Dose off |
| **Allowed CTDI ranges*** | 7mGy-50mGy |
| **XR29 Dose Notification value** | 50mGy |

**Helical Set**

| recon | body part | thickness spacing | kernel | window | recon destination |
|---|---|---|---|---|---|
| 1 | thin ankle | .75mmx.5mm | 80ultra sharp | osteo | mpr/pacs |
| 2 | ankle soft tissue | 2mmx 2mm | 30smooth | mediastinum | pacs |
| 3 | thin soft | .75mmx.5mm | 30smooth | mediastinum | for 3d |

2x2 coronal and sag reformats from recon 1 bone

2x2 coronal and sag reformats from recon 3 soft tissue

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|---|---|
| **Scan Start/end location** | 2cm superior to tibial metadiaphysis |
| | 2cm inferior calcaneus tuberosity |
| | include all of fx and hardware |
| **DFOV** | 25 cm |
| | decrease appropriately |
| **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 |
| **3D Technique Used** | do 3d spin with recon 3-if fracture seen |
| | note: If hardware present use extended ct scale and increase kv to 140 |
| | Use axial image for sag and coronal reformats |



Revision Date 12-7-2017
Approved by Dr G. Wang