# Elbow Small FOV 64 Sensation

| | |
|---|---|
| **Indications** | Pain, swelling, fall, mva, trauma |
| **Diagnostic Task** | Detect fractures, dislocations, arthritis |
| **Scan mode** | Helical |
| **Position/Landmark** | Head -Prone -mid humerus -Craniocaudal |
| **Topogram** | AP 120kV 35mA Lat 120kV 35mA |
| **kVp/Reference mass** | 120kv 120mas |
| **Rotation time/pitch** | 1.0/0.8 |
| **Detector Configuration** | 12x0.6 |
| **Table Speed/Increment** | 5.76 |
| **Dose reduction** | CareDose 4D-off |
| **Allowed CTDI ranges*** | 7mGy-50mGy |
| **XR29 Dose Notification value** | 50mGy |

**Helical Set**

| recon | body part | thickness spacing | kernel | window | recon destination |
|---|---|---|---|---|---|
| 1 | soft tissue | .6mmx.6mm | 30smooth | mediastinum | mpr 3d |
| 2 | elbow | .6mmx .6mm | u90ultra sharp | osteo | pacs |
| 3 | elbow | 2mmx 2mm | 31medium smooth | mediastinum | pacs |
| 4 | sag bone | 2mmx2mm | u90ultra sharp | osteo | pacs |
| 5 | coronal bone | 2mmx2mm | u90ultra sharp | osteo | pacs |
| 6 | sag soft tissue | 2mmx2mm | 31medium smooth | mediastinum | pacs |
| 7 | coronal soft tissue | 2mmx2mm | 31 medium smooth | mediastinum | pacs |

| | |
|---|---|
| **Scan Start/end location** | 1cm superior to distal humeral metadiaphysis |
| | 1cm inferior to the radial tuberosity |
| **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 |
| | Patient prone |
| | Arm of concern above head with elbow extended-Palm up |


use axial image at level of humeral condyles to make sag and coronal reformatts

Revision Date 12-7-2017
Approved by Dr Wang