## Generic MSK CT

Last Updated: 12/2025

| Name | Plane | Type | Window | Thick | Space |
|---|---|---|---|---|---|
| SCOUT | AP and Lat | | | | |
| AXIAL ST | Axial | MPR | Soft Tissue | 2 mm | 2 mm |
| AXIAL BONE | Axial | MPR | Bone | 2 mm | 2 mm |
| CORONAL ST | Coronal | MPR | Soft Tissue | 2 mm | 2 mm |
| CORONAL BONE | Coronal | MPR | Bone | 2 mm | 2 mm |
| SAGITTAL ST | Sagittal | MPR | Soft Tissue | 2 mm | 2 mm |
| SAGITTAL BONE | Sagittal | MPR | Bone | 2 mm | 2 mm |

**Notes:**

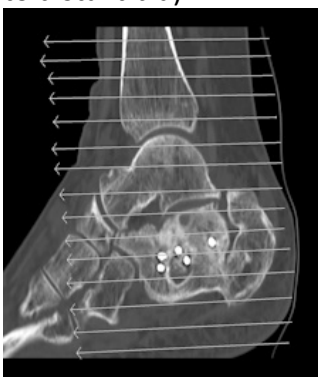
- Please include bone and soft tissue algorithm/kernel in all three planes.
- If there is significant metal artifact and you use metal artifact reduction (MAR) technique, please submit images with and without MAR, since MAR can sometimes cause artifact that mimics loosening.

**Imaging Planes:**

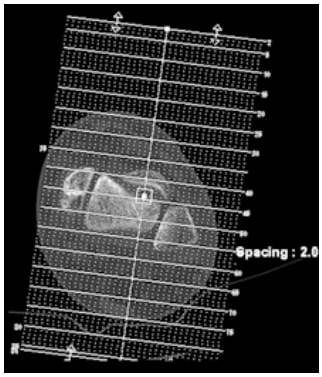
CT: ANKLE
Last Updated: 6/10/2025

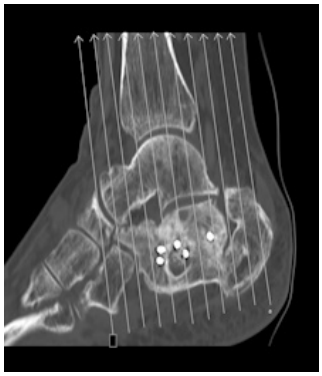
Orient with respect to the distal tibia/tibiotalar joint:

Axial (perpendicular to distal tibia)

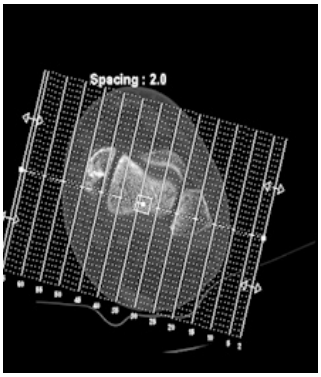


Coronal



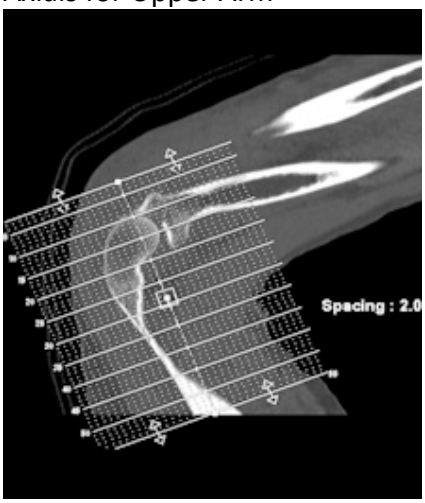
Sagittal



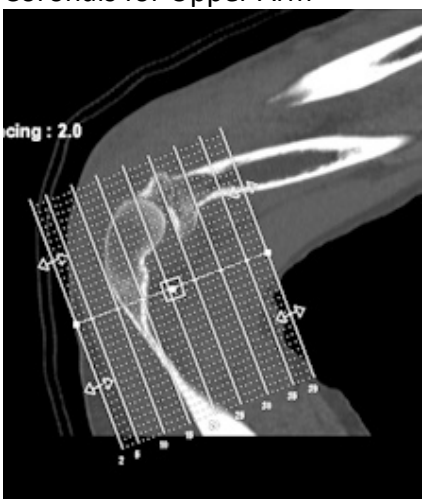
CT: ELBOW
Last Updated: 6/10/2025

One set of sagittal images is enough, but if the elbow is bent/flexed, it is helpful to have 2 sets of axials and 2 sets of coronals — one set oriented with respect to the humerus and the other to the forearm as follows:

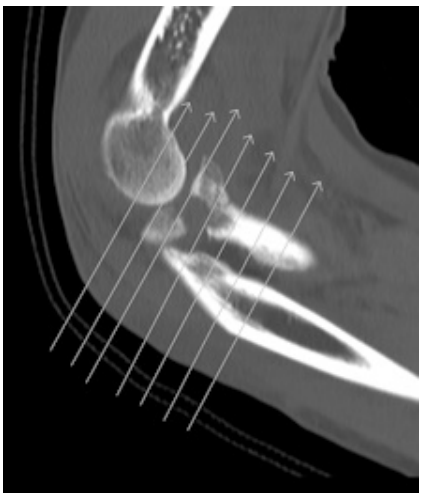
Axials for Upper Arm




Coronals for Upper Arm




Axials for Forearm



Coronals for Forearm

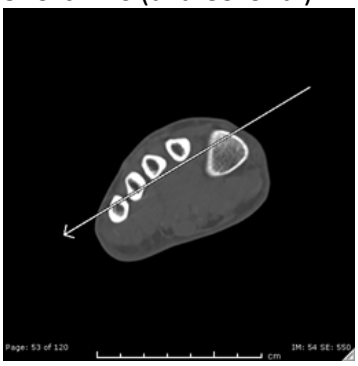
CT: FOOT
Last Updated: 6/10/2025

For the long axis reformats, please try to display the metatarsals along their long axis as in the sample images below.

Long Axis (aka Axial)

Sagittal

Short Axis (aka Coronal)



CT: SHOULDER
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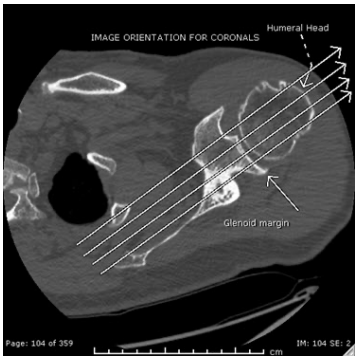
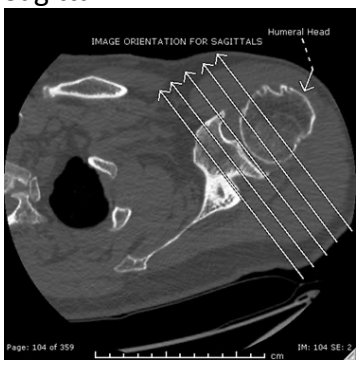
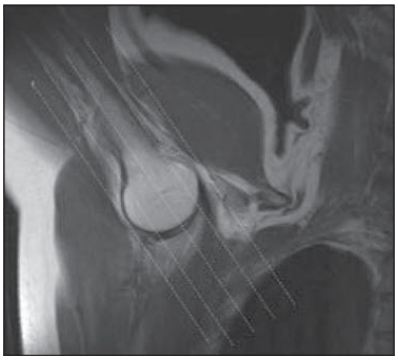
Coronal




Sagittal




Orientation for ABER Images on CT arthrograms, same as MRI shown below

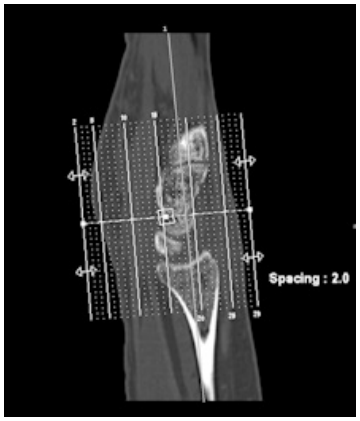


CT: WRIST
Last Update: 6/10/2025

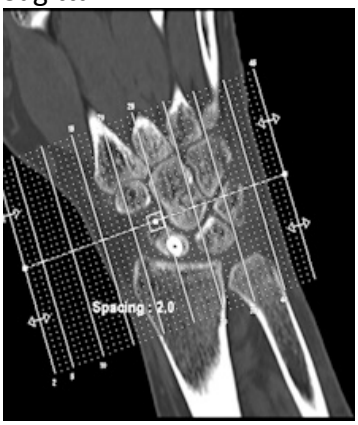
With wrist CTs, since the arm can be in any number of positions in the gantry, you will probably have to manually reorient all three planes as shown.

Axial


Coronal




Sagittal

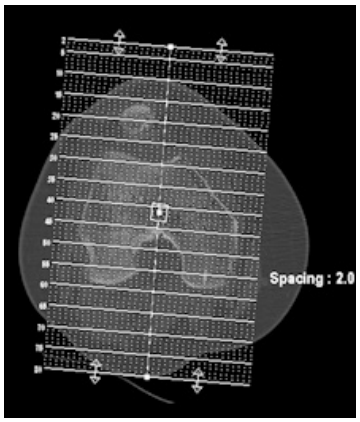



CT: KNEE
Last Updated: 6/10/2025

One set each of axial, sagittal, and coronal is usually sufficient, even if the knee is bent. But if the leg is externally rotated, please correct for that on the sagittal and coronal reformats. Orient with respect to the posterior margin of the femoral condyles:

Axial


Coronal




Sagittal