

SHOULDER CT

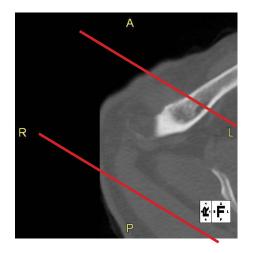
Positioning

- Pt supine
- Affect arm by side with palm up
- Contralateral arm above head

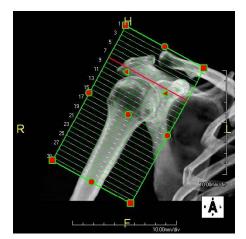
Coverage

- From above AC joint to the bottom of the scapula.
- If there is a shoulder prosthesis, scan to include the distal end of the humeral
- component.
- Field of view (FOV) just wide enough to include entire scapula and proximal humerus.





Prescribe coronal plane off of axial images parallel to supraspinatus muscle





- Prescribe sagittal plane off axial images with line parallel to bony glenoid.
- Image from scapular wing through deltoid muscle.



ELBOW CT

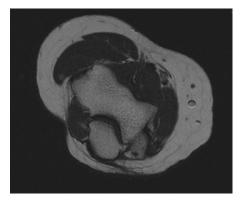
Positioning

- Patient supine
- Arm by side or raised above head
- Palm up

Coverage

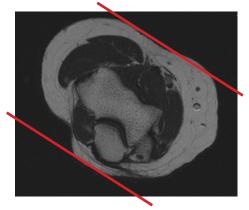
• From distal humeral metadiaphysis to the radial tuberosity.





Sagittal Imaging Plane

- Prescribe plane
 perpendicular to coronal
 plane
- Scan through entire elbow.



Coronal Imaging Plane

- Prescribe plane parallel to anterior humerus at condyles.
- Scan through entire elbow.

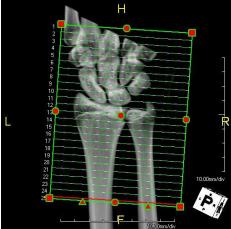


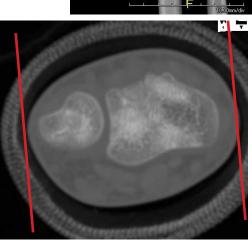
WRIST CT

Positioning

- Patient prone
- Arm over head ("Mighty Mouse Position")
- Arm as straight as possible
- Wrist centered in gantry



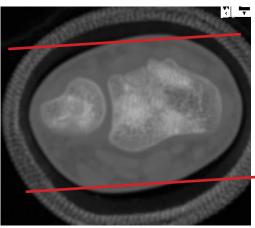




- Sagittal Imaging Plane
- Prescribe plane perpendicular to coronal plane
- Scan through entire wrist.



- Prescribe plane parallel to distal radius.
- Scan from proximal metacarpals through distal radial/ulnar metaphysis.



Coronal Imaging Plane

- Prescribe plane parallel to line drawn from ulnar styloid through radial styloid.
- Scan through entire wrist

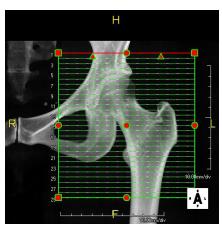




HIP CT



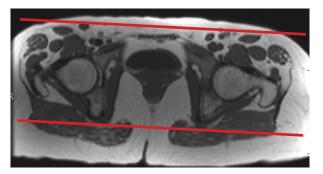
- Patient supine
- Legs flat on table



Scanning Plane

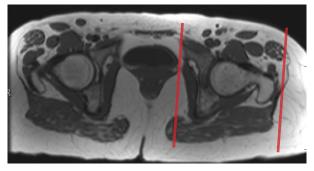
•Prescribe plane parallel to acetabular roof

•Scan from acetabular roof through lesser trochanter



Coronal Imaging Plane

- Prescribe plane parallel femoral heads.
- Scan from ischium through pubic symphesis



Sagittal Imaging Plane

- Prescribe plane perpendicular to coronal plane.
- Scan from acetabulum through greater trochanter.



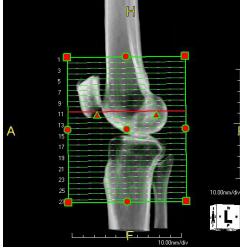
KNEE CT





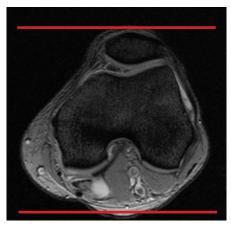
Positioning:

- Patient Supine with feet first into scanner
- Keep knees extended, sideby-side.
- Tape the feet together with toes pointing up to help keep the knees from mov-ing.
- Slide patient so that the knee being scanned is in the center of the table



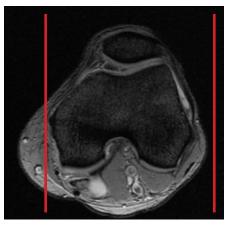
Scanning Plane

- Prescribe plane parallel to axis of the tibial plateau.
- Scan knee from suprapatellar region to the proximal tibia



Coronal Imaging Plane

• Prescribe plane with line parallel to femoral condyles. Image entire knee.



Sagittal Imaging Plane

- Prescribe plane perpendicular to coronal plane
- Scan from the medial to the lateral femoral condyle.



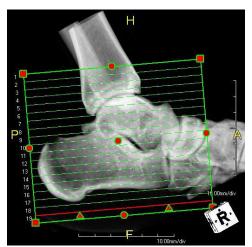
ANKLE CT





Positioning:

- Patient supine
- Center in scanner both feet or foot of interest (use foot holder, if available). If imaging both feet, bring them together
- Toes pointing straight up.
- Foot inverted slightly





Coronal Imaging Plane

 Prescribe plane perpendicular to axial imaging plane. Scan ankle from calcaneus through metatarsal bases.

Scanning Plane

- Prescribe plane parallel to axis of calcaneus.
- Scan ankle from distal tibia through beyond the inferior calcaneous

Sagittal Imaging Plane

- Prescribe plane with line bisecting calcaneus.
- Scan through entire foot.

