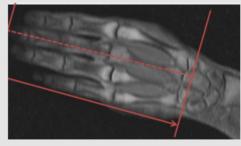
Reviewed: Jan 2024 Updated: Nov 2023



MRI HAND WITHOUT CONTRAST

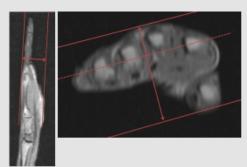
| Scan Range | | | | Variable according to area of interest/ body part. | |
|------------|----------|------------|------------|--|--|
| FOV | | | | Fits to patient/ body part. | |
| Position | | | | PRONE and patient in Superman position if possible | |
| Localizer | | | | 3 plane scout localizer | |
| PLANE | SEQUENCE | FAT SAT | FOV | | NOTES |
| Axial | T1 | | 12 - 16 cm | | angle parallel to long axis of wrist from cor loc |
| Axial | T2 | Υ | 12 - 16 cm | | angle parallel to long axis of wrist from cor loc |
| Axial | STIR | | 12 - 16 cm | | perpendicular to axials |
| Sagittal | PD | Υ | 12 - 16 cm | | angle parallel to radius/lunate/capitate alignment |
| Coronal | T1 | | 12 - 16 cm | | angle parallel to radius/lunate/capitate alignment |
| Coronal | PD | Υ | 12 - 16 cm | | angle parallel to radius/lunate/capitate alignment |

Image Plane Precriptions:



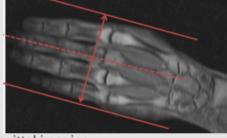
Axial imaging

- Use COR LOC and angle perpendicular to 3rd Digit
- · Cover from tip of finger to CMC joints



Coronal imaging

- Use Axial LOC and angle parallel to the 2nd-5th MCP joints, and try to cover through the majority of the thumb
- Use Sagittal LOC and angle parallel to 3rd digit and 3rd metacarpal



Sagittal imaging

- Perpendicular to Coronal and Axial Sequences
- Cover through all of the digits if the patient has non-localizable pain or if they are looking for a generalized arthritis (USE THICKER SLICES)
- If a digit is symptomatic, then cover through that digit and an adjacent digit (USE THINNER SLICES)