

MRI HAND PROTOCOL

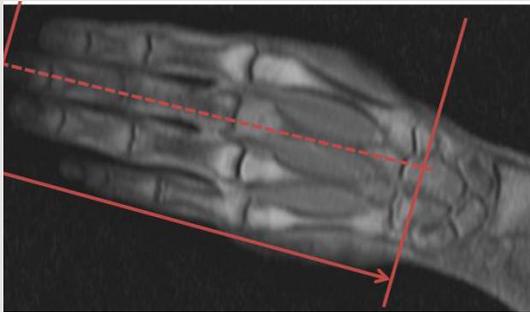
Patient Position Prone and pt in Superman position if possible

Localizer 3 - plane scout localizer

Plane	Sequence	Fat Sat	SLT / SP	**FOV	Notes
Axial	T1			12-16 cm	angle parallel to long axis of wrist from cor loc
Axial	T2			12-16 cm	angle parallel to long axis of wrist from cor loc
Axial	STIR			12-16 cm	perpendicular to axials
Sagittal	PD	Y		12-16 cm	angle parallel to radius/lunate/capitate alignment
Coronal	T1			12-16 cm	angle parallel to radius/lunate/capitate alignment
Coronal	PD	Y		12-16 cm	angle parallel to radius/lunate/capitate alignment

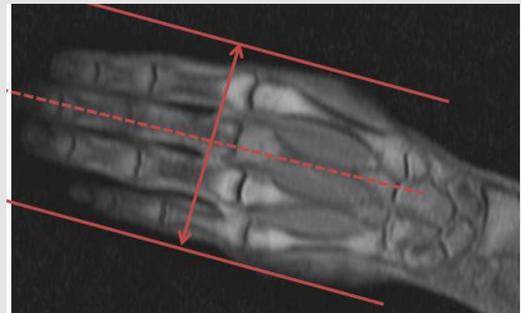
** FOV according to pt size

Image Plane Precriptions:



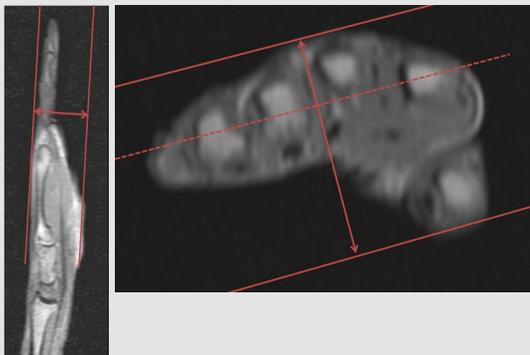
Axial imaging

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



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)



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