

MRI Thumb/UCL

Updated 09/19/25

Reviewed 06/06/26

Use field-of-view (FOV) and angulations as in the images below.

Use sesamoid bones for guide for choosing angles.

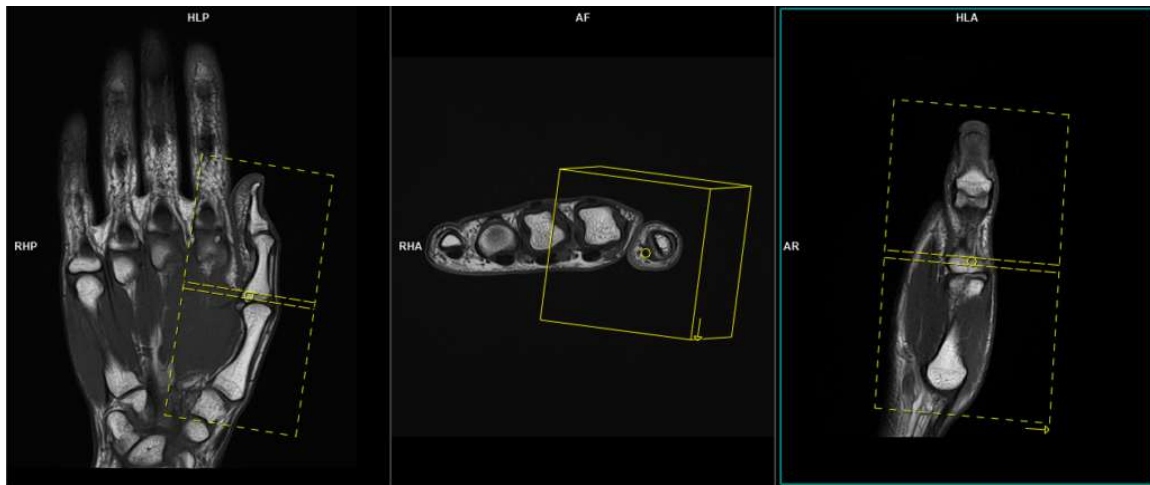
Confirm the planes with a MSK Radiologist before proceeding.

IV contrast is not given for this protocol.

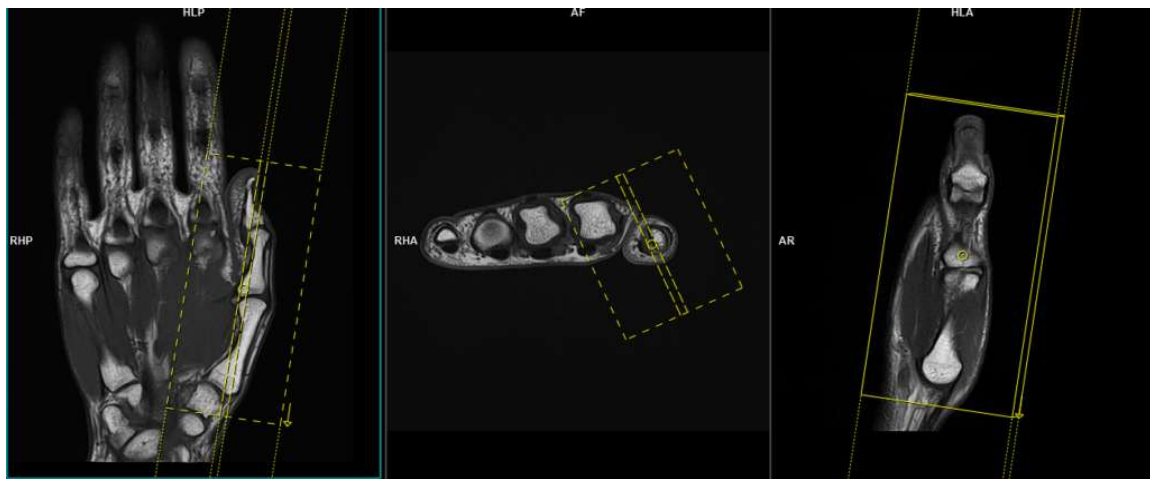
Go to MRIMaster.com for a guide of proper positioning.

Pulse Sequence	PACS Name	plane	fat sat	slice (mm)	gap (mm)	first slice
T1	T1 AX	ax	no	3	0.3	top
T2	T2 FS AX	ax	yes	3	0.3	top
T1	T1 COR	cor	no	3	0.3	front
T2	T2 COR	cor	yes	3	0.3	front
STIR	STIR SAG	sag	no	3	0.3	left

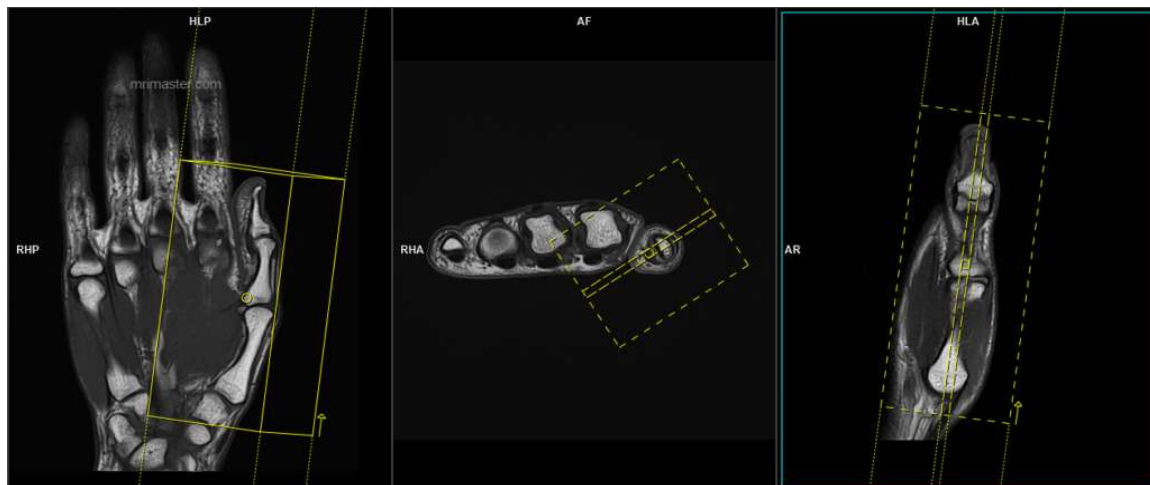
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axial FOV and angulation (perpendicular to the metacarpal and phalanx bones in the sagittal plane)



coronal FOV and angulation (parallel to the metacarpal and phalanx bones in the sagittal plane)



sagittal FOV and angulation (perpendicular to the pectoralis muscle in the axial plane)