

# MRI Hand

Updated 03/01/21

Reviewed 05/14/25

## **Routine Hand:**

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

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 COR	cor	no	3	0.3	front
STIR	STIR COR	cor	no	3	0.3	front
DESS/PD	DESS FS COR / PD FS COR	cor	yes	3	0.3	front
STIR	STIR SAG	sag	no	3	0.3	lateral
T1	T1 SAG	sag	no	3	0.3	lateral
T1	T1 AX	ax	no	4	0.0	top
T2	T2 FS AX	ax	yes	4	0.0	top

**CONTRAST** - 2 mL/sec standard dose gadolinium (0.2 mL/kg Clariscan or 0.1 mL/kg Gadavist) followed by 20 mL saline flush.

T1	T1 FS POST COR	cor	yes	3	0.3	front
T1	T1 FS POST AX	ax	yes	4	0.0	top
T1	T1 FS POST SAG	ax	yes	3	0.3	top

## **Both Hands for Arthritis:**

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

Place both hands prone in the superman position with fingers slightly separated.

Include all skin superior to inferior.

Mid wrist through distal finger tips.

All fingers must be included in the FOV.

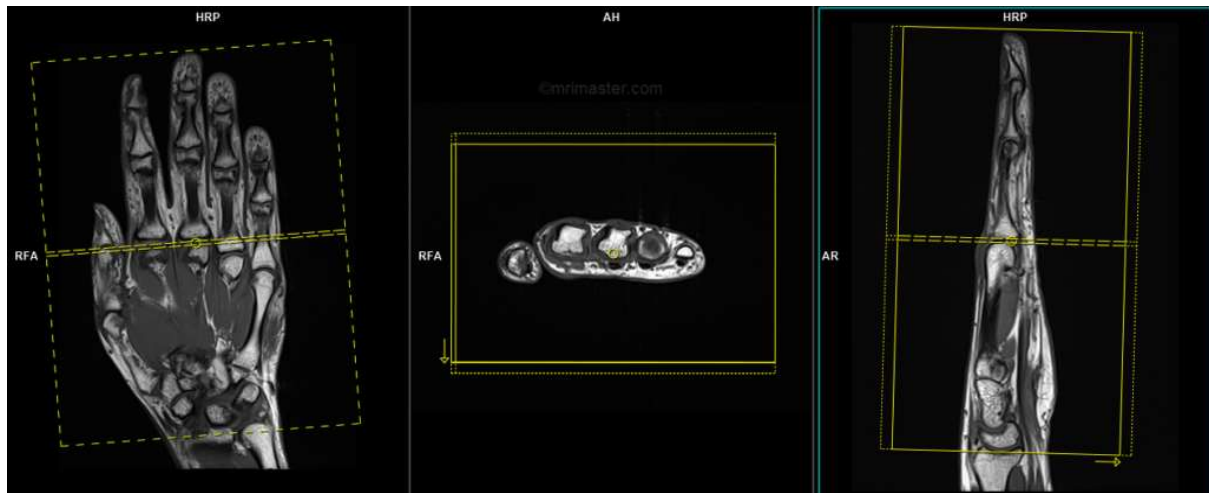
Go to MRIMaster.com for a guide of proper positioning.

Pulse Sequence	PACS Name	plane	fat sat	slice (mm)	gap (mm)	first slice
T1	T1 COR	cor	no	3	0.3	front
STIR	STIR COR	cor	no	3	0.3	front
T1	T1 AX	ax	no	4	0.5	top
T2	T2 FS AX	ax	yes	4	0.5	top

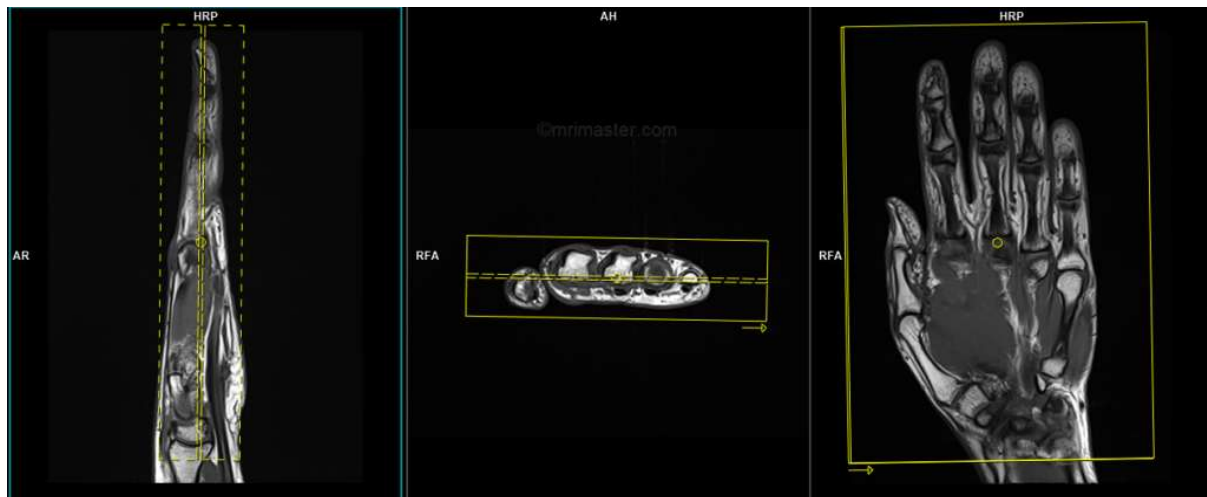
**CONTRAST** - 2 mL/sec standard dose gadolinium (0.2 mL/kg Clariscan or 0.1 mL/kg Gadavist) followed by 20 mL saline flush.

T1	T1 FS POST COR	cor	yes	3	0.3	front
T1	T1 FS POST AX	ax	yes	4	0.5	top

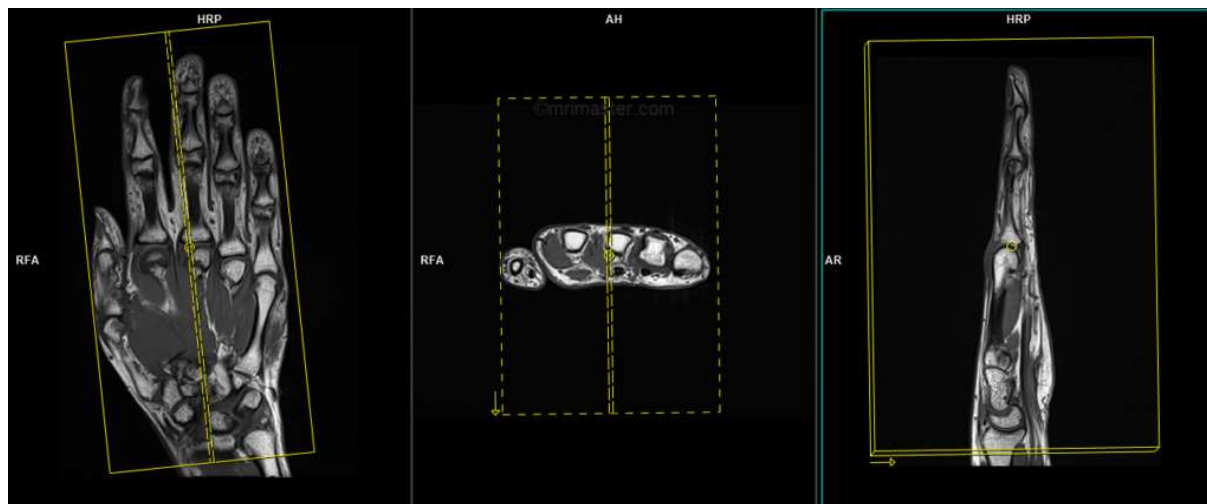
# MRI Hand



axial FOV and angulation (perpendicular to the metacarpal and phalangeal bones in the coronal plane)



coronal FOV and angulation (parallel to a line across the metacarpal bones in the axial plane)



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