

PROTOCOL: HAND OSTEOMYELITIS/TUMOR

COIL:	Dedicated hand/wrist coil. If not present, small flex coil (4-16 CH) wrapped around.
POSITIONING:	Fingers straight. Pad fingers dorsal and volar so they cannot move. Superman or arm at side. If arm at side careful attention to avoid phase wrap. Extra effort to make patient comfortable.
CLINICAL INDICATIONS/HISTORY:	HAND PAIN, FRACTURE, LIGAMENT TEAR, TENDON TEAR, ARTHRITIS, INJURY, CONTRACTURE, VOLAR PLATE TEAR
PLOTTING:	Axial FIRST off of coronal and sagittal localizers. True axial to hand Coronal = sigmoid notch distal radius to dorsal/radial corner of styloid Sagittal = perpendicular to coronal
COVERAGE:	May vary depending on area of involvement. Approx carpus to fingers
TIPS:	Note that finger motion causes artifactual signal in tendons

SCAN ORDER	PLANE	IMAGE CONTRAST/WEIGHTING	MODE/SEQ TYPE	Averages (NEX)	BW (Hz/pixel)	ETL	TR RANGE	TE RANGE	TI	FLIP ANGLE	SLICE/GAP (mm)	FOV (cm)	Resolution	Phase Axis	Send to PACS	Fat sat
1	AX	STIR	2D/FSE	1-2	150-180	8-12	3500-6000	20-30	140 - 150	>130	3.0/0	8-12	256 x 256	RL	FULL SERIES	
2	AX	T1	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	8-12	256 x 256	RL	FULL SERIES	NONE
3	COR	T2FS	2D/FSE	1	150-180	8-12	3500-6000	65-75		>130	2.0/0	8-12	256 X 256	SI	FULL SERIES	WEAK
4	COR	T1	2D/FSE	1	150-180	2-3	450-650	8-10		>130	2.0/0	8-12	256 x 256	SI	FULL SERIES	NONE
5	SAG	STIR	2D/FSE	1	150-180	8-12	3500-6000	20-30	140 - 150	>130	3.0/0	8-12	256 x 256	SI	FULL SERIES	
IF WO/W PRE-GAD: 6	AX	T1FS	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	8-12	256 X 256	RL	FULL SERIES	WEAK
GIVE CONTRAST																
POST-GAD: 7	AX	T1FS	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	8-12	256 X 256	RL	FULL SERIES	WEAK
POST-GAD: 8	COR	T1FS	2D/FSE	1	150-180	2-3	450-650	8-10		>130	2.0/0	8-12	256 x 256	SI	FULL SERIES	WEAK

