PROTOCOL:	THUMB OSTEOMYELITIS/TUMOR
COIL:	Dedicated hand/wrist coil. If not present, small flex coil (4-16 CH) wrapped around.
POSITIONING:	Thumb straight. Pad thumb/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 comfortable.
CLINICAL INDICATIONS/ HISTORY:	INFECTION, OSTEOMYELITIS, TUMOR
PLOTTING:	Axial FIRST off of coronal and sagittal localizers. True axial to THUMB Coronal = parallel to sesamoids or condyles at volar 1st MCP joint Sagittal = perpendicular to sesamoids or condyles at volar 1st MCP joint
COVERAGE:	Center FOV at MCP joint of thumb. Include entire thumb.  Cover entire affected area!
TIPS:	The thumb is oblique to the hand in every imaging plane.

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	АХ	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	АХ	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	2.0/0	8-12	256 x 256	SI	FULL SERIES	
IF WO/W PRE-GAD: 6	АХ	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	АХ	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





