

PROTOCOL: THUMB WO ROUTINE

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:	UCL TEAR, STENER LESION, RCL TEAR, INJURY, FRACTURE, LIGAMENT TEAR, VOLAR PLATE TEAR, TENDON TEAR
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.
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	AX	T2FS	2D/FSE	1	150-180	8-12	3500-6000	65-75		>130	3.0/0	8-10	256 x 256	RL	FULL SERIES	WEAK
2	AX	PD	2D/FSE	2	150-180	8-12	3500-6000	38-45		>130	3.0/0	8-10	512 X 320	RL	FULL SERIES	NONE
3	COR	PDFS	2D/FSE	1	150-180	8-12	3500-6000	38-45		>130	1.5-2.0	8-10	256 X 256	SI	FULL SERIES	WEAK
4	COR	PD	2D/FSE	2	150-180	8-12	3500-6000	38-45		>130	1.5-2.0	8-10	512 x 320-384	SI	FULL SERIES	NONE
5	COR	T1	2D/FSE	1	150-180	2-3	450-650	8-10		>130	1.5-2.0	8-10	256 x 192	SI	FULL SERIES	NONE
6	SAG	PD	2D/FSE	1	150-180	8-12	3500-6000	38-45		>130	2.0/0	8-10	512 x 320	SI	FULL SERIES	NONE

