

**PROTOCOL: TOE WO ROUTINE**

**COIL:** DEDICATED 8-20 CHANNEL FOOT/ANKLE COIL, OR IF UNAVAILABLE, HIGH-CHANNEL-COUNT (12-20CH) FLEX COIL, POSITIONED TO COVER AREA OF INTEREST

**POSITIONING:** Supine. Position as if standing (near 90 degree angle tibia to plantar foot). Toes as straight as possible. Extra padding dorsal to toes so they cannot move. Padding under heel.

**CLINICAL INDICATIONS/HISTORY:** NEUROMA, TOE INJURY, COLLATERAL LIGAMENT TEAR, PLANTAR PLATE TEAR, TURF TOE INJURY

**PLOTTING:** Short axis = short axis of midfoot/forefoot (figure) Sagittal = sagittal to midfoot/forefoot (may be oblique to true sagittal) Long axis = Long axis to MT shafts. Connect 1st to 5th (mid shaft level)

**COVERAGE:** Tips of toes to mid shaft metatarsals

**TIPS:** Same positioning and plotting as forefoot/midfoot. Smaller FOV. Plot long axis LAST off of short axis and sagittal

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	SHORT AXIS	T2FS	2D/FSE	1	150-180	8-12	3500-6000	65-75		>130	3.0/0	7-9	256 x 256	RL	FULL SERIES	WEAK
2	SHORT AXIS	PD	2D/FSE	2	150-180	8-12	3500-6000	38-45		>130	3.0/0	7-9	512 X 320	RL	FULL SERIES	NONE
3	SAG	STIR	2D/FSE	1	150-180	8-12	3500-6000	20-30	140 - 150	>130	3.0/0	7-9	256 X 256	SI	FULL SERIES	
4	SAG	PD	2D/FSE	2	150-180	8-12	3500-6000	38-45		>130	3.0/0	7-9	512 x 320-384	SI	FULL SERIES	NONE
5	LONG AXIS	T1	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	7-9	256 x 256	SI	FULL SERIES	NONE
6	LONG AXIS	PDFS	2D/FSE	1	150-180	8-12	3500-6000	38-45		>130	3.0/0	7-9	320 X 288	SI	FULL SERIES	WEAK
<b>ALTERNATE OPTIONS</b>																
1	SHORT AXIS	STIR	2D/FSE	1	150-180	8-12	3500-6000	20-30	140 - 150	>130	3.5/0	7-9	256 x 256	RL	FULL SERIES	