

PROTOCOL: ANKLE/HINDFOOT OSTEOMYELITIS/TUMOR

COIL: DEDICATED 8-20 CHANNEL FOOT/ANKLE COIL, OR IF UNAVAILABLE, HIGH-CHANNEL-COUNT (12-20CH) FLEX COIL, POSITIONED TO COVER JOINT, HEEL, AND MYOTENDINOUS JUNCTION OF ACHILLES

POSITIONING: Supine. Position as if standing (near 90 degree angle tibia to plantar foot). Extra padding dorsal to toes so they cannot move. Padding under heel. Extra effort to make patient comfortable.

CLINICAL INDICATIONS/ HISTORY: INFECTION, OSTEOMYELITIS, TUMOR

PLOTTING: Axial = true axial to tibia/fibula front to back talar dome from axial side talar dome from axial
Sagittal = Coronal = side to

COVERAGE: Back of heel to base of 1st metatarsal. Must see to skin surface. Must see entire affected area.

TIPS: Enlarge FOV if needed to see entire affected area or entire mass. DO NOT scan bilateral together.

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	150-180	8-12	3500-6000	20-30	140 - 150	>130	3.5/0	11-13	256 x 256	RL	FULL SERIES	
2	AX	T1	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.5/0	11-13	256 x 256	RL	FULL SERIES	NONE
4	SAG	STIR	2D/FSE	1	150-180	8-12	3500-6000	20-30	140 - 150	>130	3.5/0	11-13	256 X 256	SI	FULL SERIES	
5	SAG	T1	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.5/0	11-13	256 x 256	SI	FULL SERIES	NONE
3	COR	STIR	2D/FSE	1	150-180	8-12	3500-6000	20-30	140 - 150	>130	3.5/0	11-13	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	3.5/0	11-13	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	3.5/0	11-13	256 X 256	RL	FULL SERIES	WEAK
POST-GAD: 8	SAG	T1FS	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.5/0	11-13	256 x 256	SI	FULL SERIES	WEAK