

PROTOCOL: ANKLE WO *METAL* (POST ARTHROPLASTY) *ALL SERIES MUST COMPLETELY INCLUDE PROSTHESIS*****

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: ARTHROPLASTY, TRAUMA, PAIN, LOOSENING

PLOTTING: Plot sagittal/coronal approximately same as routine ankle
Axial = true axial to tibia

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
1A (Siemens)	AX	PD SEMAC	2D	1	400-600 Hz/px	20-40	3500 - 6000	35-45		>110	3.5/0	13-15	512-384 x 256	RL	FULL SERIES	NONE
1B (GE)	AX	PD MAVRIC	3D	0.5	+/- 125kHz	22-26	3500 - 6000	35-45		>110	3.5/0	13-15	512-384 x 256	RL	FULL SERIES	NONE
2A (Siemens)	COR	STIR SEMAC	2D	1	400-600 Hz/px	20-40	3000 - 6000	35-45	140 - 150	>110	3.5/0	13-15	256 x 256	SI	FULL SERIES	
2B (GE)	COR	STIR MAVRIC	3D	0.5	+/- 125kHz	22-26	3500 - 6000	35-45	140 - 150	>110	3.5/0	13-15	256 x 256	SI	FULL SERIES	
3	COR	PD WARP/MARS	2D/FSE	3-5	300-500 Hz/px	16-24	3500 - 6000	24-40		>110	3.5/0	13-15	512-384 x 320	SI	FULL SERIES	NONE
4A (Siemens)	SAG	STIR SEMAC	2D	1	400-600 Hz/px	20-40	3000 - 6000	35-45	140 - 150	>110	3.5/0	13-15	256 x 256	SI	FULL SERIES	
4B (GE)	SAG	STIR MAVRIC	3D	0.5	+/- 125kHz	22-26	3500 - 6000	35-45	140 - 150	>110	3.5/0	13-15	256 x 256	SI	FULL SERIES	
5	SAG	T1 WARP/MARS	2D/FSE	3-5	300-500 Hz/px	2-12	450-650	6-18		>110	3.5/0	13-15	256 x 256	SI	FULL SERIES	NONE