

PROTOCOL: ANKLE/HINDFOOT WO ROUTINE

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: ANKLE PAIN, INJURY, SPRAIN, LIGAMENT TEAR, OCD, TALAR DOME, ARTHRITIS, INTERNAL DERANGEMENT, PAIN, CYST, TENDON TEAR

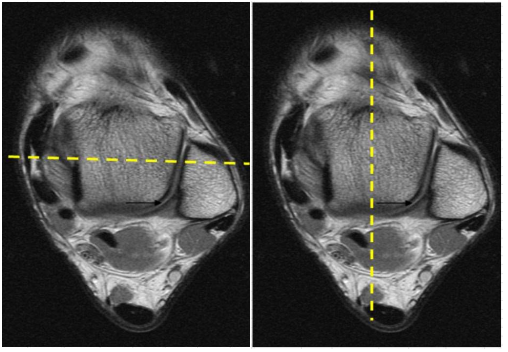
PLOTTING: Axial = true axial to tibia/fibula front to back talar dome from axial side talar dome from axial
Sagittal = Coronal = side to

COVERAGE: Back of heel to base of 1st metatarsal

TIPS: Oblique coronal = short axis peroneus brevis tendon from SAG (see figure)



LATERAL RADIOGRAPH SHOWING ALIGNMENT OF AXIAL PLANE



AXIAL SLICE SHOWING ALIGNMENT OF CORONAL AND SAGITTAL PLANES



SAGITTAL SLICE LATERAL OF MIDLINE SHOWING ANGLE FOR PERONEUS TENDONS

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	3.5/0	11-13	256 x 256	RL	FULL SERIES	WEAK
2	AX	PD	2D/FSE	1-2	150-180	8-12	3500-6000	38-45		>130	3.5/0	11-13	512 x 320	RL	FULL SERIES	NONE
3	SAG	PDFS	2D/FSE	1	150-180	8-12	3500-6000	38-45		>130	3.0/0	11-13	256 x 256	SI	FULL SERIES	WEAK
4	SAG	PD	2D/FSE	2	150-180	8-12	3500-6000	38-45		>130	3.0/0	11-13	512 x 320-384	SI	FULL SERIES	NONE
5	SAG	T1	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	11-13	256 x 192	SI	FULL SERIES	NONE
6	COR	PD	2D/FSE	2	150-180	8-12	3500-6000	38-45		>130	3.0/0	11-13	512 x 320-384	SI	FULL SERIES	NONE
OPTIONAL ADDITIONAL SEQUENCE-PERONEUS TENDONS																
6	COR OBL	PD	2D/FSE	1	150-180	8-12	3500-6000	38-45		>130	3.5/0	11-13	256 x 192	SI	FULL SERIES	NONE