

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

COIL: DEDICATED T/R KNEE COIL

POSITIONING: SUPINE. STRAIGHTEN KNEE AS MUCH AS PATIENT WILL TOLERATE-CENTER AT APEX OF PATELLA

CLINICAL INDICATIONS/HISTORY: PERI-IMPLANT FLUID/EFFUSION, PROSTHESIS LOOSENING, PAIN, TRAUMA

PLOTTING: True AXIAL to femur
CORONAL = Parallel to posterior margins of femoral condyles
SAGITTAL = Perpendicular to posterior margins of femoral condyles

COVERAGE: Must include entire prosthesis

TIPS: REPOSITION PRIOR TO SCANNING IF KNEE NOT CENTERED IN COIL

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	14-15	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	14-15	512-384 x 256	RL	FULL SERIES	NONE
2A (Siemens)	SAG	STIR SEMAC	2D	1	400-600 Hz/px	20-40	3000 - 6000	35-45	140 - 150	>110	3.5/0	14-15	256 x 256	SI	FULL SERIES	
2B (GE)	SAG	STIR MAVRIC	3D	0.5	+/- 125kHz	22-26	3500 - 6000	35-45	140 - 150	>110	3.5/0	14-15	256 x 256	SI	FULL SERIES	
3	SAG	PD WARP/MARS	2D/FSE	3-5	300-500 Hz/px	16-24	3500 - 6000	24-40		>110	3.5/0	14-15	512-384 x 320	SI	FULL SERIES	NONE
4A (Siemens)	COR	STIR SEMAC	2D	1	400-600 Hz/px	20-40	3000 - 6000	35-45	140 - 150	>110	3.5/0	14-15	256 x 256	RL	FULL SERIES	
4B (GE)	COR	STIR MAVRIC	3D	0.5	+/- 125kHz	22-26	3500 - 6000	35-45	140 - 150	>110	3.5/0	14-15	256 x 256	RL	FULL SERIES	
5	COR	T1 WARP/MARS	2D/FSE	3-5	300-500 Hz/px	2-12	450-650	6-18		>110	3.5/0	14-15	320 x 256	RL	FULL SERIES	NONE