

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

**COIL:** High channel count (12+) body array coil

**POSITIONING:** Supine. Hip INTERNAL ROTATION - sandbag lateral to foot / or tape toes of both

**CLINICAL INDICATIONS/  
HISTORY:** POST ARTHROPLASTY - PAIN, LOOSENING, INFECTION, INJURY, ADVERSE LOCAL TISSUE REACTION

**PLOTTING:** On whole pelvis sequences - true axial and true coronal  
Unilateral axial, coronal, sagittal = true axial, coronal, sagittal

**TIPS:** On Siemens use "seatbelt" straps to bring coil close to lateral thighs.  
Have patient empty bladder immediately before start of scan

**COVERAGE:** Must include entire prosthesis

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)	Whole pelvis AX	STIR SEMAC	2D	1	400-600 Hz/px	20-40	3000 - 6000	35-45	140 - 150	>110	5/0	30-42	256 x 256	RL	FULL SERIES	
1B (GE)	Whole pelvis AX	STIR MAVRIC	3D	0.5	+/- 125kHz	22-26	3500 - 6000	35-45	140 - 150	>110	5/0	30-42	256 x 256	RL	FULL SERIES	
2A (Siemens)	Whole pelvis COR	T1 SEMAC	2D	1-2	400-600 Hz/px	10-40	450-750	6-18		>110	5/0	36-42	256 x 256	AP	FULL SERIES	NONE
2B (GE)	Whole pelvis COR	T1 MAVRIC	3D	0.5	+/- 125kHz	4-20	450-750	6-18		>110	5/0	36-42	256 x 256	AP	FULL SERIES	NONE
3	AX	PD WARP/MARS	2D/FSE	3-5	300-500 Hz/px	16-24	3500 - 6000	24-40		>130	4/0	22-24	512-384 x 320	AP	FULL SERIES	NONE
4	SAG	PD WARP/MARS	2D/FSE	3-5	300-500 Hz/px	16-24	3500 - 6000	24-40		>130	3/0	22-24	512-384 x 320	SI	FULL SERIES	NONE
5	COR	PD WARP/MARS	2D/FSE	3-5	300-500 Hz/px	16-24	3500 - 6000	24-40		>130	4/0	22-24	512-384 x 320	SI	FULL SERIES	NONE