

PROTOCOL: KNEE ARTHROGRAM

COIL: Multichannel knee coil. If too large or swollen try large flex coil wrapped around knee. Do NOT just lay flex coil over knee.

POSITIONING: Supine, knee extended. Make patient as comfortable as possible.

CLINICAL INDICATIONS/HISTORY: INTERNAL DERANGEMENT, LIGAMENT TEAR, MENISCAL TEAR, FRACTURE, OCD, CARTILAGE DEFECT, INTERNAL DERANGEMENT, INJURY, PAIN

PLOTTING: Axial = true axial to femur
Coronal = parallel to posterior margin of femoral condyles
Sagittal = perpendicular to posterior margin of femoral condyles

COVERAGE: Above patella (must see quad tendon). Below tibial tubercle. Include all muscles, tendons, ligaments, bones.

TIPS: If necessary reposition coil so signal on localizer is highest at joint space. Knee is one of easiest joints to hold still if patient is comfortable

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	PDFS	2D/FSE	1	150-180	8-12	3500-6000	38-45		>130	3.5/0	14-15	320 x 288	RL	FULL SERIES	WEAK
2	SAG	PDFS	2D/FSE	1	150-180	8-12	3500-6000	38-45		>130	3.5/0	14-15	256 x 256	SI	FULL SERIES	WEAK
3	SAG	PD	2D/FSE	2	150-180	8-12	3500-6000	38-45		>130	3.5/0	14-15	512 x 320-384	SI	FULL SERIES	NONE
4	COR	T2FS	2D/FSE	1	150-180	8-12	3500-6000	65-75		>130	3.5/0	14-15	256 x 256	RL	FULL SERIES	WEAK
5	COR	PD	2D/FSE	2	150-180	8-12	3500-6000	38-45		>130	3.5/0	14-15	512 x 320-384	RL	FULL SERIES	NONE
6	COR	T1FS	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.5/0	14-15	256 x 192	RL	FULL SERIES	WEAK

