

Anatomy: LOWER EXTREMITY
 Sub-Anatomy: KNEE- 1.5T- Metal

- Exams **ORDERABLE- KNEE**
 - Routine Coil: KNEE

SEQUENCE - BASICS																
PLANE	SEQ	Slice thickness (mm)	Comment	gap	FOV (cm)	% R F O	Slices	Voxel size (mm)	TR	TE	N S	ETL Turbo Factor	Phase Encode	Scan TIME (min)	Pixel Shift BW-kHz	
ROUTINE																
	3 plane scout		Only GRE													
1	Sag STIR	4x0.4x0.5		10%					4000	20-25						
2	Ax STIR	4x0.4x0.5		10%					4000	20-25						
3	Cor PD	4x0.4x0.5		10%					4000	25-30						
4	Sag PD	4x0.4x0.5		10%					4000	25-30						
5	AX PD	4x0.4x0.5		10%					4000	25-30						
6	Cor T1	4x0.4x0.5							600	7-9						
↓ OPTIONAL ↓																
	Cor STIR	4x0.4x0.5	Failed fat sat	10%					4000	20-25						

Instructions: FOV and Coverage- On axials, cover just above the quadriceps fat pad to just below the fibular neck. On coronals, cover from skin to skin. On sagittals, cover from slightly medial to medial epicondyle to slightly lateral to lateral epicondyle. Keep high ETL, low TE, high bandwidth, freq encoding gradient along metal, small echospacing. NO FREQUENCY Selective FS or SPIR

Others- Always put marker at the site of most pain, injury or swelling. If motion observed, stop the scan, instruct patient to lay still and repeat the sequence.

