

Anatomy: **LOWER EXTREMITY**
 Sub-Anatomy: **KNEE- 3T MR Arthrogram**

- Exams
 - Routine

ORDERABLE- KNEE

Coil: **KNEE (vs. m flex coil for large pt)**

SEQUENCE - BASICS				VARIABLE PARAMETERS													
PLANE	SEQ	Slice thickness (mm)	Misc / Comment	M T X	Gap	% R F O V	Slices	Voxel size (mm)	TR	TE				ETL Turbo Factor	Phase Encode	Scan TIME (min)	Pixel Shift BW-kHz
	ROUTINE																
	3 plane scout		Only GRE														
1	Cor PD	3.5			10%			0.4x0.5	3000	40-45							
2	Cor 2D fs T1W	3.5			10%			0.4x0.5	600	7-9							
3	Sag 2D fs T1W	3.5			10%			0.4x0.5	600	7-9							
4	Ax 2D fsT1w	3.5			10%			0.4x0.5	600	7-9							
5	Sag fsPD	3.5			10%			0.4x0.5	3000	35-40							
6	Cor 3D PD	3D			0			0.65 iso									
7	Ax T1 VIBE no FS	3D															

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.

Large subject: Increase voxel-0.7 mm, use mFlex coil, if problem with SNR or wrap, etc- call OPB/PMH for remote monitoring help.

Reconstruction for 3D- 0.65 mm in sagittal and axial planes

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.



