

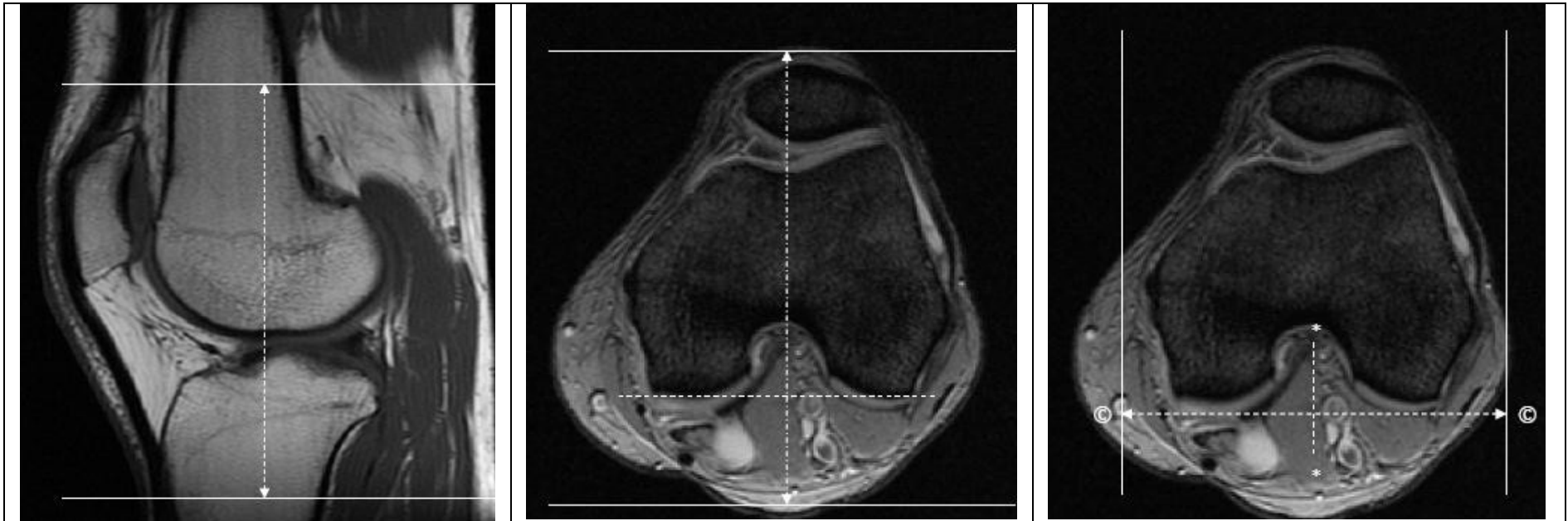
Anatomy: LOWER EXTREMITY
 Sub-Anatomy: KNEE- Ortho 1.5T

- 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 PD FS	4x0.4x0.5		10%					4000	35-40						
2	Sag PD	4x0.4x0.5		10%					4000	40-45						
3	Cor PD	4x0.4x0.5		10%					4000	40-45						
4	Cor PD FS	4x0.4x0.5		10%					4000	35-40						
5	AX PD FS	4x0.4x0.5		10%					4000	35-40						
6	Ax T2 Dixon (if possible) (or) Ax In/out phase	5x0.5x0.6								55						
↓ OPTIONAL ↓																
	Cor STIR	4x0.4x0.5	Failed fat sat	10%					4000	30-35						

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 lateralepicondyle.

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.



Axial

Coronal (parallel to fem condyle)

Sagittal (perpendicular to coronal)