

Culvenor et al., SUPER-Knee trial protocol

Supplementary File 5. Details of magnetic resonance imaging sequences acquired

	Proton Density weighted fat suppressed fast spin-echo <i>Axial</i>	Proton Density weighted fat suppressed fast spin-echo <i>Sagittal</i>	Proton Density weighted fat suppressed fast spin-echo <i>Coronal</i>	Multi-echo spin-echo (MESE) T2 relaxation time mapping <i>Sagittal</i>	Fast spoiled gradient echo (FSPGR) <i>Sagittal</i>
Repetition time (msec)	3725	2300	2325	3225	10.3
Echo time (msec)	36	36	36	10, 20, 30, 40, 50, 60, 70, 80	Minimum (~3.7)
Acquisition matrix	340 x 300	360 x 300	340 x 300	320 x 269	512 x 512
Field of view (cm)	16	16	16	12	16
Resolution (mm)	0.471 x 0.533 x 3.0	0.444 x 0.5333 x 3.0	0.471 x 0.5333 x 3.0	0.375 x 0.446 x 3.0	0.313 x 0.313 x 1.5
Slice thickness (mm)	3.0	3.0	3.0	3.0	1.5
Slice gap (mm)	0.3	1.0	0.3	1.0	0
Flip angle (°)	142	142	142	90	12
Number of echoes	10	10	9	8	-
Number of slices	32	31	34	31	84
Number of excitations	1	1	1	0.5	1
Bandwidth	50	35.71	35.71	31.25	31.25
Scan time (mins)	2:59	2:55	4:21	7:51	15:08