

Note: Additional sequences may be requested at the discretion of the Radiologist monitoring the exam.

EXAM: HD COIL KNEE

ORIENTATION: FEET FIRST/SUPINE

COIL: HD TRknee PA

PLANE	3 PLN LOC	CALIBRATION SCAN	COR PD	COR PD FS	SAG PD	SAG PD FS	AX PD FS (FREQ A/P)	(OP ACL) SAG PD
SEQ	GRE	GRE	FSE XL	FSE XL	FSE XL	FSE XL	FSE XL	FSE XL
MODE	2D	2D	2D	2D	2D	2D	2D	2D
IMAGING OPTIONS	SEQ/FAST	FAST/CALIB	FC/NPW/TRF/FAST	FC/NPW/TRF/FAST	FC/NPW/TRF/FAST	FC/NPW/TRF/FAST	FC/NPW/TRF/FAST	FC/NPW/TRF/FAST
TE			15 ms	MIN FULL	15 ms	MIN FULL	MIN FULL	42 ms
TR			2500 ms+	1800-2600 ms	2500 ms +	1800-2600 ms	1800-2600 ms	2500 ms +
TI								
FLIP ANGLE								
ETL			8	4	8	4	4	8
BW			50.00	15.63	50.00	15.63	15.63	50.00
FOV	28	30	16	16	16	16	16	16
SLICE THICKNESS	5	5	4	4	4	4	4	3
SLICE SPACING	5	0	1	1	1	1	1	0.3
Frequency	256		320	320	320	320	320	320
Phase	128		256	224	256	224	224	256
NEX	1		2	2	2	2	2	2
PHASE FOV	1							
FREQ DIR	UNSWAP	R/L	A/P	A/P	A/P	A/P	A/P	A/P
FLOW COMP DIR			FREQ	FREQ	FREQ	FREQ	FREQ	FREQ
SHIM	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
PHASE CORRECT	OFF	OFF	ON	ON	ON	ON	ON	ON

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NOTES: CALIBRATION SCAN: The calibration scan is needed for the cor and sag pd because PURE is selected.

AX PD FS: FREQ A/P. When the frequency direction is not A/P, the flow artifact from the popliteal artery obscures the view of the patella. Make sure the frequency is A/P to place the artifact in the opposite direction.

COR PD, COR PD FS, SAG PD, & SAG PD FS: Manually place superior and inferior saturation bands to reduce the artifact from the popliteal artery on these sequences. The bandwidth may also be increased as per applications. Use fat classic for the fat sat on knee scans per Dr. Simoncini.

If there is metal present in the knee, do not include the fat sat sequences, as per Dr. Simoncini. Include stir sequences instead, as per Dr. Simoncini.

(OP ACL) SAG PD: Please include this sequence when the ACL is not demonstrated in profile, per Dr. Simoncini. Only cover the intercondylar notch, per Dr. Simoncini. Slice thickness 3. Slice spacing: 0.3.

Written: 10/2013 Reviewed: 05/2014 Revised: 02/2015; 05/2015; 08/2015; 10/2015; 01/2016