

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

EXAM: Rheumatology Hand/Wrist

ORIENTATION: HEAD FIRST/ PRONE

COIL: QUADKNEE

PLANE	3 PLN LOC	COR T1	**COR T2 FS	**COR STIR	COR T1 FS	AX T2	COR T1 FS C+	AX T1 FS C+	OP COR T1 IDEAL PRE/POST	OP AX T1 IDEAL C+
SEQ	GRE	FSE XL	FSE XL	FSE IR	FSE XL	FSE XL	FSE XL	FSE XL	IDEAL	IDEAL
MODE	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D
IMAGING OPTIONS	SEQ/FAST	FC/NPW/EDR/ TRF/FAST	FC/NPW/EDR/ TRF/FAST	FC/NPW/SEQ/ EDR/FAST	FC/NPW/EDR/ TRF/FAST	FC/NPW/EDR/ TRF/FAST	FC/NPW/EDR/ FAST	FC/NPW/EDR/ FAST	NPW/TRF/FAST /IDEAL/FC	NPW/TRF/FAST /IDEAL/FC
TE		MIN FULL	90 ms +	50 ms	MIN FULL	90 ms +	MIN FULL	MIN FULL	MIN	MIN
TR		400-600 ms	3800 ms +	3800 ms	400-600 ms	3800 ms +	400-600 ms	400-600 ms	400-600 ms	400-600 ms
TI				150 ms						
FLIP ANGLE										
ETL		3	12-18	9	3	12-18	3	3	3	3
BW		15.63	15.63	15.63	15.63	15.63	15.63	15.63	41.67	41.67
FOV	28	18	18	18	18	16	18	16	18	16
SLICE THICKNESS	5	3	3	3	3	4	3	4		4
SLICE SPACING	5	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.4
Frequency	256	256	256	256	256	256	256	256	256	256
Phase	128	256	256	192	192	256	192	192	192	192
NEX	1	3	3	2	2	3	2	2	1	1
PHASE FOV	1									
FREQ DIR	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP
FLOW COMP DIR		FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ
SHIM	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
PHASE CORRECT	OFF	ON	ON	OFF	ON	ON	ON	ON	ON	ON

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NOTES: Include from the Distal radius/ulna to the MCPs or PIPs depending on the case per Dr. Simoncini. Place the patient in the superman position. Try to place the hand/wrist in the center of the magnetic field if possible. If the fat is not well suppressed on the cor t2 fs, please include a cor stir. Please evaluate the quality of the fat sat on the pre contrast images. Acquire the cor t1, cor t2 fs or cor stir, cor t1 fs, and ax t2 and call Dr. Simoncini to check the images. He will give further instructions following the review of the images.

If contrast is given Use Dotarem for this exam, Use 0.2 mL/kg body weight for age 2 and older per Dr. Sangster; under age 2 consult Radiologist

OP COR T1 IDEAL PRE/POST AND OP AX T1 IDEAL C+: This may be utilized when the traditional fat sat sequences do not demonstrate uniform fat saturation.

Written: 10/2013 Reviewed: 05/2014; 02/2015 Revised: 04/2016