

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

EXAM: SOFT TISSUE TUMOR

ORIENTATION: FEET FIRST /HEAD FIRST/SUPINE

COIL: HD BODYFULL/TORSOPA

PLANE	3 PLN LOC	AX T1	AX T2	AX T2 FS	AX T1 FS	**COR/SAG T2 FS	**COR/SAG STIR	AX T1 FS C+	SAG T1 FS C+	COR T1 FS C+	OP T1 IDEAL PRE/POST
SEQ	GRE	FSE XL	FSE XL	FSE XL	FSE XL	FSE XL	FSE IR	FSE XL	FSE XL	FSE XL	IDEAL
MODE	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D
IMAGING OPTIONS	SEQ/FAST	FC/NPW/EDR/ FAST	FC/NPW/EDR/ FAST	FC/NPW/EDR/ FAST	FC/NPW/EDR/ FAST	FC/NPW/EDR/ FAST	FC/NPW/SEQ/ EDR/FAST	FC/NPW/EDR/ FAST	FC/NPW/ EDR/FAST	FC/NPW/ EDR/FAST	NPW/TRF/ FAST/IDEAL/FC
TE		MIN FULL	90 ms +	90 ms +	MIN FULL	90 ms +	50 ms	MIN FULL	MIN FULL	MIN FULL	MIN
TR		400-600 ms	3800 ms +	3800 ms +	400-600 ms	3800 ms +	3800 ms	400-600 ms	400-600 ms	400-600 ms	400-600 ms
TI							150 ms				
FLIP ANGLE											
ETL		2	12-18	12-18	2	12-18	9	2	2	2	3
BW		15.63	15.63	15.63	15.63	15.63	20.83	15.63	15.63	15.63	41.67
FOV	38	24	24	24	24	24	28	24	28	28	24
SLICE THICKNESS	4	4	4	4	4	4	4	4	4	4	4
SLICE SPACING	5	1	1	1	1	1	1	1	1	1	1
Frequency	256	320	320	256	256	256	320	256	256	256	256
Phase	128	224	224	192	192	192	224	192	192	192	192
NEX	1	2	2	2	2	2	2	2	2	2	1
PHASE FOV	1										
FREQ DIR	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP
FLOW COMP DIR		FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ
SHIM	AUTO	AUTO	AUTO	AUTO	AUTO	FREQ	AUTO	AUTO	AUTO	AUTO	AUTO
PHASE CORRECT	OFF	ON	ON	ON	ON	ON	OFF	ON	ON	ON	ON

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NOTES: Mark the area of interest. **Note: Select the best plane (SAG or COR) for the pathology that is present. If the COR T2 or SAG T2 FS images are not quality images, perform a SAG or COR STIR instead (Choose the best plane SITR). The FOV may be adjusted for the part being imaged. Please evaluate the quality of the fat sat on the pre contrast images. If the fat is not suppressed uniformly, try a smaller fov, Per Dr. Simoncini. If the fat is still not suppressed, do T1s PRE AND POST WITHOUT FAT SAT, as per Dr. Simoncini.

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

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

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