University Health Shreveport
Department Of Radiology
Proc 14.16.14
Note: Additional sequences may be requested at the discretion of the Radiologist monitoring the exam.

EXAM: OSTEOMYELITIS PROTOCOL ORIENTATION: FEET FIRST/SUPINE COIL: HD BODYFULL/TORSOPA

PLANE	3 PLN LOC	COR STIR	SAG STIR	SAG T1	AX STIR	AX T2	AX T1	AX T1 FS	AX T1 FS C+	SAG T1 FS C+	COR T1 FS C+	OP T1 IDEAL PRE/POST
SEQ	GRE	FSE IR	FSE IR	FSE XL	FSE IR	FSE XL	FSE XL	FSE XL	FSE XL	FSE XL	FSE XL	IDEAL
MODE	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D
IMAGING OPTIONS	SEQ/ FAST	FC/NPW/ SEQ/FAST	FC/NPW/ SEQ/FAST	FC/NPW/EDR /FAST/ZIP512	FC/NPW/ SEQ/FAST	FC/NPW/ EDR/FAST/ ZIP512	FC/NPW/ EDR/FAST/ ZIP512	FC/NPW/ EDR/FAST/ ZIP512	FC/NPW/ EDR/FAST/ ZIP512	FC/NPW/EDR /FAST/ZIP512	FC/NPW/EDR /FAST/ZIP512	NPW/TRF/ FAST /IDEAL/FC
TE		50 ms	50 ms	MIN FULL	50 ms	90 ms +	MIN FULL	MIN FULL	MIN FULL	MIN FULL	MIN FULL	MIN
TR		3800 ms	3800 ms	400-600 ms	3800 ms	3800 ms+	400-600 ms	400-600 ms	400-600 ms	400-600 ms	400-600 ms	400-600 ms
TI		150 ms	150 ms		150 ms							
FLIP ANGLE												
ETL		9	9	2	9	12-18	2	2	2	2	2	3
BW		20.83	20.83	15.63	20.83	15.63	15.63	15.63	15.63	15.63	15.63	41.67
FOV	28	20	20	20	20	20	20	20	20	20	20	20
SLICE THICKNESS	5	4	4	4	4	4	4	4	4	4	4	4
SLICE SPACING	5	1	1	1	1	1	1	1	1	1	1	1
Frequency	256	256	256	256	256	256	256	256	256	256	256	256
Phase	128	192	192	192	192	192	192	192	192	192	192	192
NEX	1	2	2	2	2	2	2	2	2	2	2	1
PHASE FOV	1											
FREQ DIR	UNS WAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP
FLOW COMP DIR		FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ	FREQ
SHIM	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
PHASE CORRECT	OFF	OFF	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON

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NOTES: Mark the area of interest. Coils other than those listed may be utilized for this protocol. The FOV may be adjusted for the part being imaged. If the fat is not suppressed, scan the forefoot and the hind foot with a smaller fov, as per Dr. Simoncini. Split these into two separate scans, as per Dr. Simoncini. When evaluating the foot for osteomyelitis, it is difficult to determine whether or not the patient truly has osteomyelitis when the fat is not uniformly suppressed pre/post contrast. 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