 <b>University Health™</b>	<b>Policy #: Rad Proc 14. 14. 21</b>
<b>SUBJECT: GREAST</b>	<b>Effective: 10/1/2013</b> <b>Reviewed: 2/2015: 2/2017</b>
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**Purpose:** To provide MRI staff with approved protocol for performing a Greast MR.

**ORIENTATION:** HEAD FIRST/SUPINE

**Coil:** HNS HEAD/STANDARD HEAD

**EXAM:** GREAST


PLANE	3 PLN LOC	ARTERIAL TAGGED #1	ARTERIAL TAGGED #2	ARTERIAL TAGGED #3	ARTERIAL CONTROL #4	ARTERIAL CONTROL #5	ARTERIAL CONTROL #6
SEQ	GRE	FSPGR	FSPGR	FSPGR	FSPGR	FSPGR	FSPGR
MODE	2D	2D	2D	2D	2D	2D	2D
IMAGING OPTIONS	SEQ/FAS T	FC/EDR/FAS T	FC/EDR/FAS T	FC/EDR/FAS T	FC/EDR/FAS T	FC/EDR/FAS T	FC/EDR/FAS T
TE		4.4 ms	4.4 ms	4.4 ms	4.4 ms	4.4 ms	4.4 ms
TR		15.5 ms	15.5 ms	15.5 ms	15.5 ms	15.5 ms	15.5 ms
TI							

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FLIP ANGLE		20	20	20	20	20	20
ETL							
BW		31.25	31.25	31.25	31.25	31.25	31.25
FOV	24	24	24	24	24	24	24
SLICE THICKNES S	10	10	10	10	10	10	10
SLICE SPACING	5	0	0	0	0	0	0
Frequency	256	256	256	256	256	256	256
Phase	128	160	160	160	160	160	160
NEX	1	1	1	1	1	1	1
PHASE FOV	1	1	1	1	1	1	1
FREQ DIR	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP
FLOW COMP DIR							
SHIM	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
PHASE CORRECT	OFF	OFF	OFF	OFF	OFF	OFF	OFF

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

NOTES: Prescribe 1 slice through the lesion. The slice should be prescribed such that an axial image results. Arterial tagged #1, #2, and #3: Place a 10 mm saturation slab 20 mm inferior to the imaging section. Localize the lesion using the report cursor. Subtract 20 from this number. The resulting number should be entered into the location portion of the sat screen. Copy and paste the slice and sat thickness for arterial tagged #2 and #3. Arterial Control #4, #5, d #6: Place a 200 mm saturation slab 400 mm inferior to the imaging section. Localize the lesion using the report cursor. Subtract 400 from this number. The resulting number should be entered into the location portion of the sat screen. You will not see the sat band on the image. Copy and paste the slice and sat thickness/location for arterial control #5 and #6. Add arterial tagged #1 to arterial tagged #2. Add the new series (sum of art. #1 and #2) and arterial tagged #3. This will give you another new series. Then add arterial control #4 to arterial control #5. Add the new series (sum of control #4 and #5) to arterial control #6. This will give you another new series. Next, subtract the final summed tagged image from the final summed control image. (Control-Tagged).

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