

MRI Breast Combo

Updated 05/04/25

Reviewed 05/14/25

Indications: combined lesion detection & implant integrity protocols.

Patient is scanned in the prone position to decrease respiratory motion artifact.

Rotate images to anatomic position prior to sending images to PACS.

Pulse Sequence	PACS Name	plane	fat sat	water sat	slice (mm)	gap (mm)	first slice
T1	T1 AX BILAT	ax	no	NA	4	1	top
T2	T2 AX BILAT	ax	no	NA	4	1	top
STIR	STIR AX BILAT	ax	no	no	4	1	top
STIR	AX SILICONE	ax	no	yes	4	1	top
STIR	SAG RIGHT SILICONE	sag	no	yes	4	1	right
STIR	SAG LEFT SILICONE	sag	no	yes	4	1	right
3D T1	T1 FS PRE RIGHT	sag	yes	NA	2	none	right
3D T1	T1 FS PRE LEFT	sag	yes	NA	2	none	right
T1	T1 FS DYN	ax	yes	NA	1.6	none	top

CONTRAST - 2 mL/sec standard dose gadolinium (0.2 mL/kg Clariscan or 0.1 mL/kg Gadavist) followed by 20 mL saline flush.

3D T1	T1 FS DYN	ax	yes	NA	1.6	none	top
3D T1	T1 FS DYN	ax	yes	NA	1.6	none	top
3D T1	T1 FS DYN	ax	yes	NA	1.6	none	top
3D T1	T1 FS DYN	ax	yes	NA	1.6	none	top
3D T1	T1 FS DYN	ax	yes	NA	1.6	none	top
3D T1	T1 FS POST RIGHT	sag	yes	NA	2	none	right
3D T1	T1 FS POST LEFT	sag	yes	NA	2	none	right

RECONS:

axial subtraction of the 1st dynamic post contrast sequence

sagittal subtractions of right and left breast

horizontal & vertical MIP spinners the 1st dynamic post contrast sequence