

MRI Breast Biopsy

Updated 06/06/26

Reviewed 06/06/26

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

Use MRI Breast Core Biopsy Right and Breast Core Biopsy Left charges.

Only image the breast that is having biopsy.

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

Pulse Sequence	PACS Name	plane	fat sat	slice (mm)	gap (mm)	first slice
3D T1	T1 FS PRE SAG	sag	yes	2	none	left
3D T1	T1 FS PRE AX	ax	yes	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 1 MIN SAG	sag	yes	1.6	none	top
3D T1	T1 FS 2 MINS AX	ax	yes	1.6	none	top

Send axial subtractions of both post contrast sequences to PACS.

Target the lesion to biopsy.

Place needle guide and obturator.

3D T1	T1 FS OBTURATOR	ax	yes	1.6	none	top
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Perform biopsy and place biopsy clip.

3D T1	T1 FS CLIP	ax	yes	1.6	none	top
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To mammography for post clip placement imaging.

The fiducial is filled with a solution of 2 mL Clariscan & 8 mL saline.