

# **Breast Imaging Protocols**

# Breast for Parenchymal Lesions

*Last updated: 7/26/02*

Patient prone in the breast coil.

20cc Gadolinium contrast (\*)

Call body radiologist to place markers on nipples, palpable lesions and scars.

Run sequences in the order listed.

Sequence	Plane	Comment	Film #
T2 TSE w/ FS	Sag or Ax	Plane is determined by the volume to be examined. If bilateral exam do Ax. If unilateral, choose plane to minimize empty volume.	0
VIBE w/o FS	Sag or Ax	Plan volume by choosing the acquisition plane to minimize the empty volume. For unilateral try sag; for bilateral try Ax. Check positioning on the T2 scan.	
Dynamic 3D Flash w/ FS	Sag or Ax	1 pre contrast, 5 post contrast	2- pre 2- 2 <sup>nd</sup> post gad nonsubtracted and subtracted
VIEWS	Sag or Ax	Post contrast ( high resolution vibe)	0

(\*) The use of gadolinium contrast material for these applications represents off-label usage in the U.S. Outside the U.S., please consult your country's regulations for local guidelines.

**NOTE:** These protocols apply to Siemens Symphony (with Quantum gradients) and Sonata systems. While they reflect the protocols used at NYU Medical Center, NYU is not responsible for their application elsewhere.

## Breast for Implant Rupture

*Last updated: 11/7/2001*

Position silicone implant and saline bag-silicone implant next to chest wall and saline bag taped to breast coil and record their position.

Patient prone in the breast coil.

No Gadolinium contrast.

Call body radiologist to place markers on nipples, palpable lesions and scars.

Run sequences in the order listed.

Sequence	Plane	Comment	Film #
T2 TSE	Sag	NO FAT SAT, One package for each breast	2
STIR	Ax	Turn off inline adjustments.	2
STIR with Water Suppression	Ax	History prior STIR.	2
STIR with Silicone Suppression	Ax	History prior STIR.	2
VIBE	Best	1 measure. No fat sat.	0

**NOTE:** These protocols apply to Siemens Symphony (with Quantum gradients) and Sonata systems. While they reflect the protocols used at NYU Medical Center, NYU is not responsible for their application elsewhere.