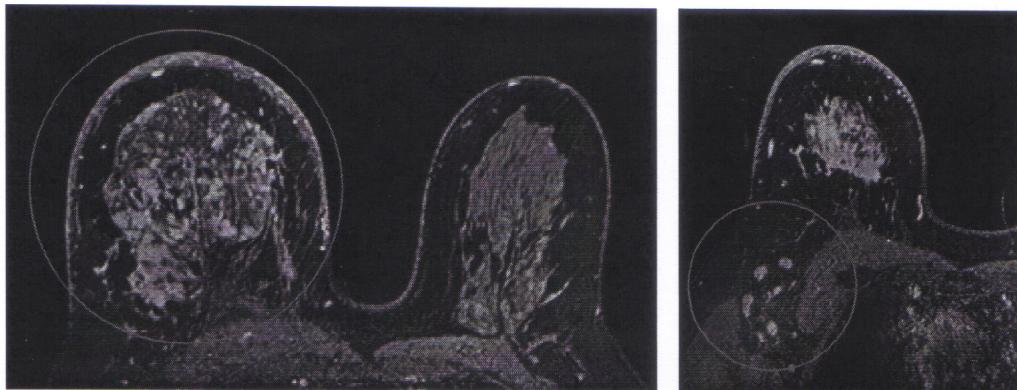


MAASTRICHT MRI TRUTH DATA

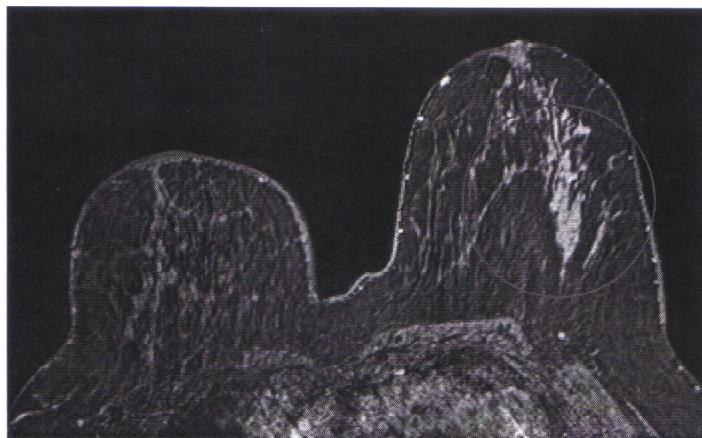
Patient ID: 2.150.157

Findings: diffuse non mass like enhancement through the entire right breast, with accompanying skin thickening and enlarged (suspect) lymph nodes in the axilla. **Histology:** invasive lobular carcinoma.



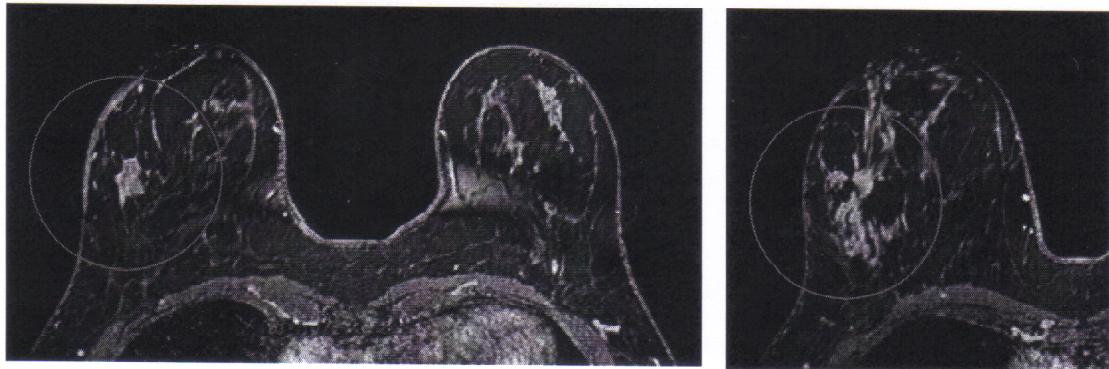
Patient ID: 8.256.301

Findings: large area of non mass like enhancement lateral side left breast. **History:** history of lumpectomy right breast. **Histology:** invasive ductal carcinoma.



Patient ID: 5.641.445

Findings: Suspicious mass right breast (left figure), in combination with extended non mass like enhancement originating from this mass (right figure).
Histology: invasive ductal carcinoma.



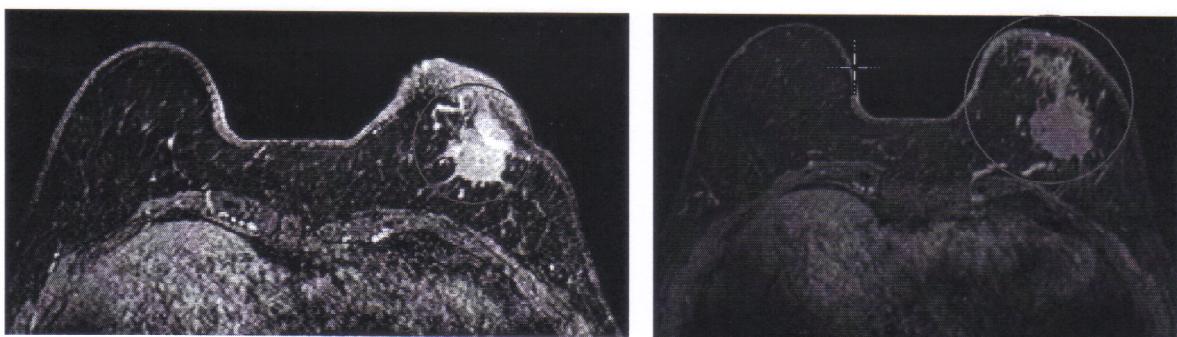
Patient ID: 3.177.908

Findings: Subtle non mass like enhancement, most prominent central in de left breast, with subtle extensions to lateral and medial side. **Histology:** pure DCIS grade II, no invasive component on surgical specimen after mastectomy.



Patient ID: 6.107.252

Findings: Large ill-defined mass (diameter 4 cm, left figure) with non mass like enhancement ventrally and accompanying enhancement of the skin including skin thickening (right figure). **Histology:** invasive ductal carcinoma.



Patient ID: 7.646.411

Findings: non mass like enhancement in the right breast, for which a MR guided biopsy was performed. Findings of histology were invasive lobular carcinoma.



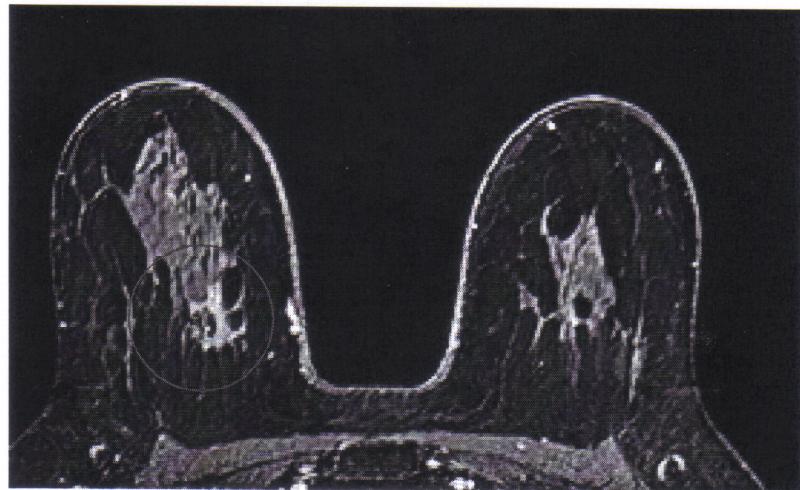
Patient ID: 2.774.216

Findings: non mass like enhancement medial side of the left breast, which was slightly increasing in size over two MRI's. Therefore, this area was biopsied under MR guidance, definitely representative biopsy, but no malignancies, no abnormalities. Most recent MRI is stable.



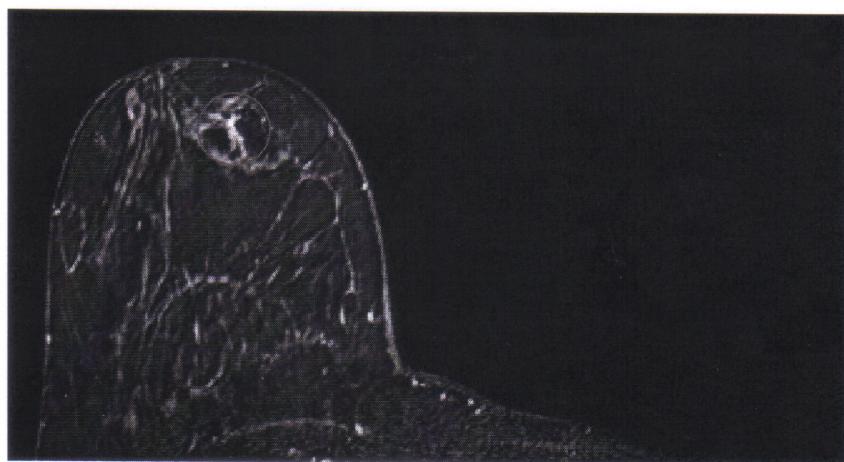
Patient ID: 3.329.368

Findings: non mass like enhancement medial side of the right breast, which was biopsied under MR guidance. Histology: invasive ductal carcinoma.



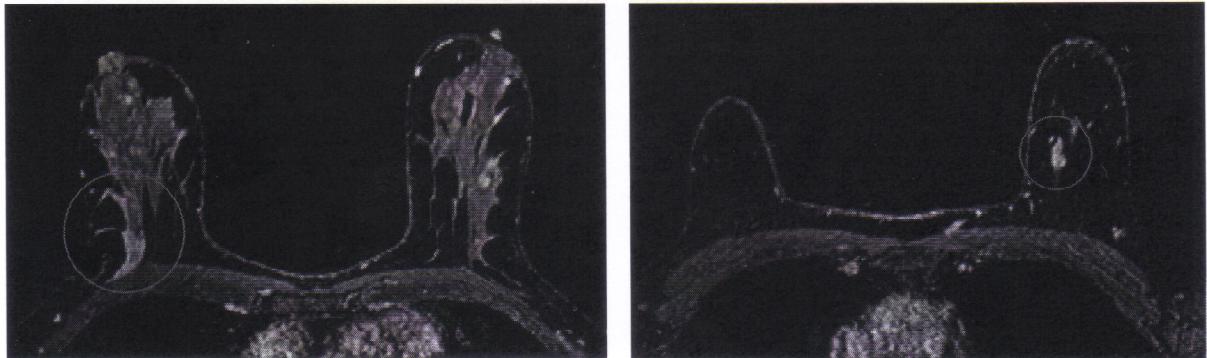
Patient ID: 7.187.833

Findings: Subtle non mass like enhancement medial from the nipple. MR guided biopsy performed. Findings: DCIS grade II.



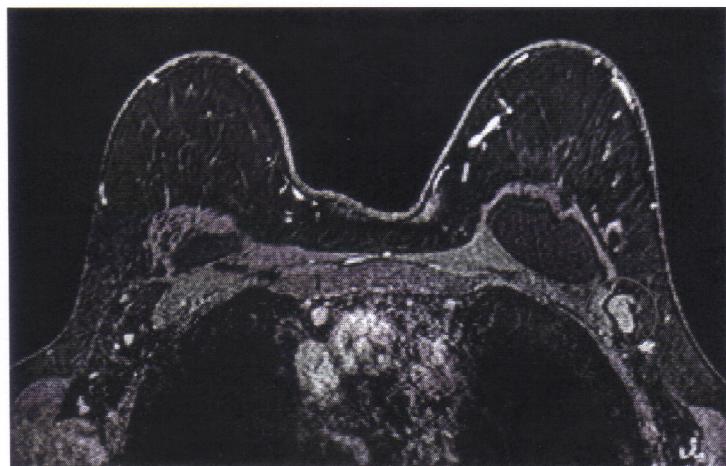
Patient ID: 3.027.642

Findings: Non mass like enhancement lateral in the right breast and upper left breast. On the right side low suspicion, no evident mass, second look ultrasound will follow (contact me in due time for this result). Also, left breast most likely fibroadenoma, but not typical. For this lesions there will be additional ultrasound too.



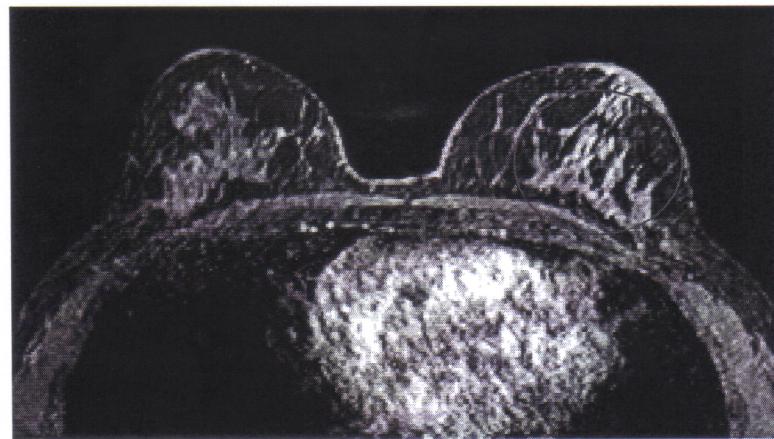
Patient ID: 8.796.457

Findings: Lymfadenopathy left axilla.



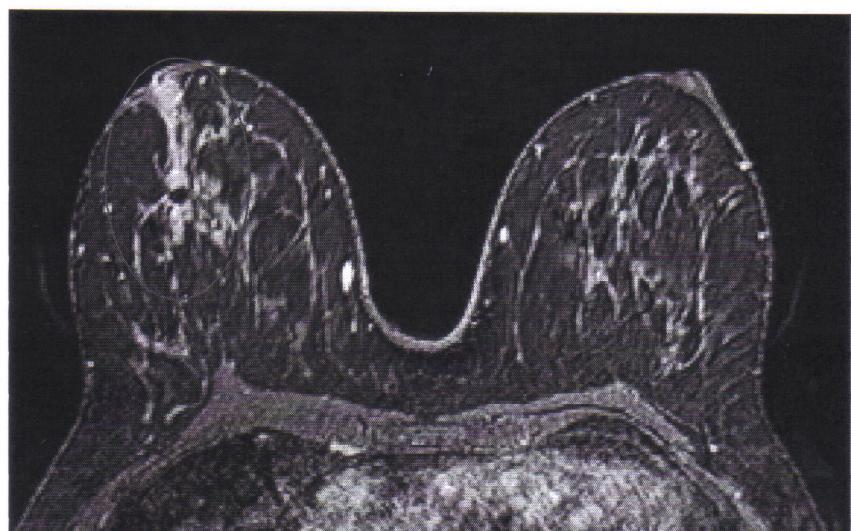
Patient ID 9.189.026

Findings: Diffuse non mass like enhancement throughout the greater part of the left breast. Histology: large invasive lobular carcinoma.



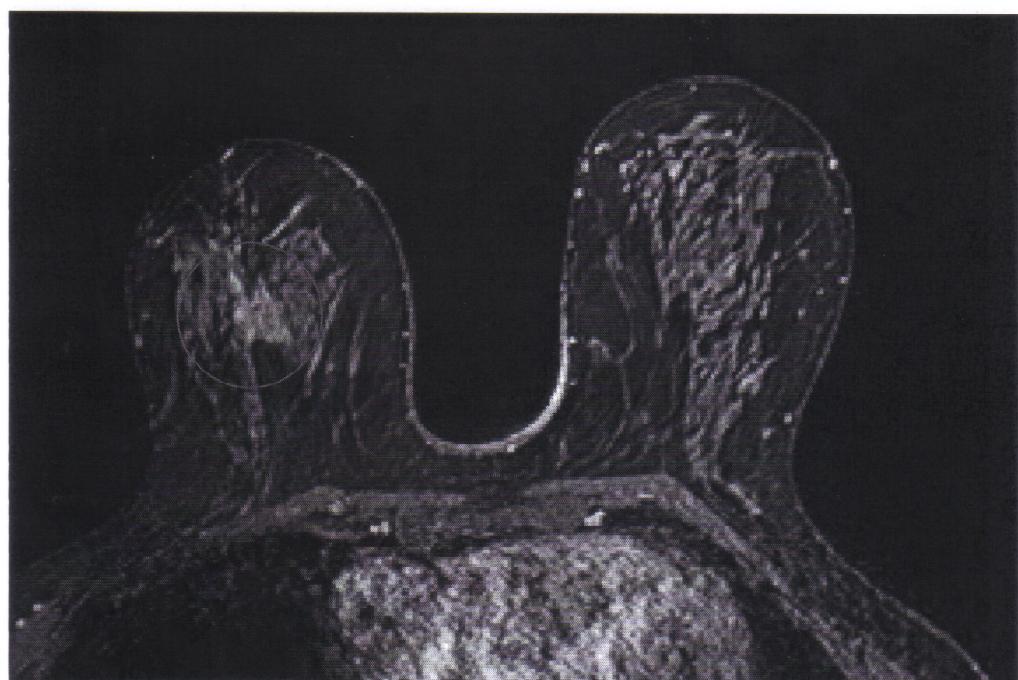
Patient ID: 6.825.878

Findings: Linear non mass like enhancement radiating from the right nipple, stable for some MRI's now. It was biopsied under MRI guidance a couple of months ago, and you can see the metal artefact from the biopsy marker in the middle of the enhancing tissue (black dot).



Patient ID: 0.847.664

Findings: Non mass like enhancement centrally in the right breast. Histology: ductal carcinoma in situ.



Patient ID: 1.578.393

Findings: Non mass like enhancement in the right breast, located centrally. This region was biopsied under MR guidance. Histology: cylindrical cell changes, no malignancies.



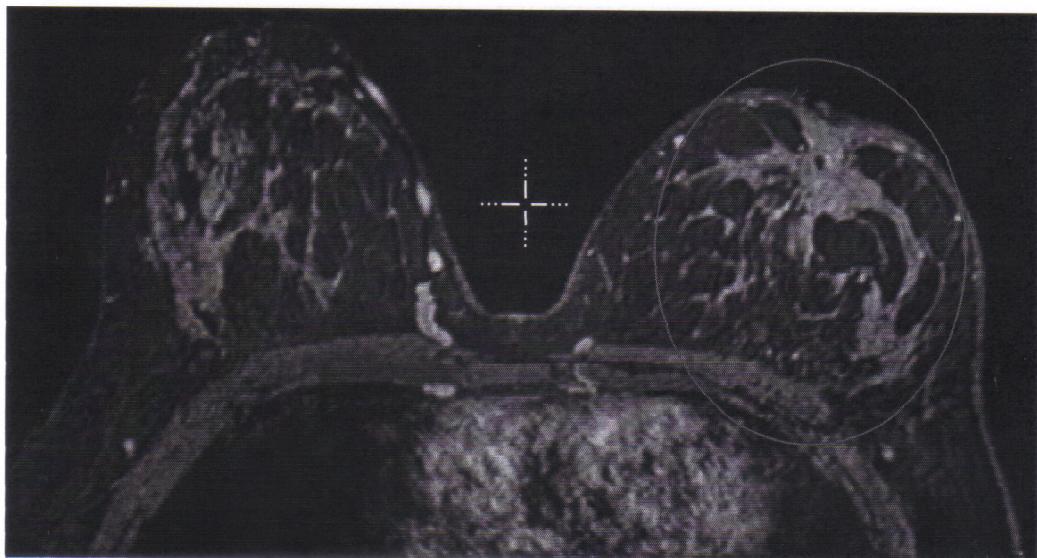
Patient ID: 3.107.404

Findings: Non mass like enhancement in the right breast. Histology: invasive lobular carcinoma.



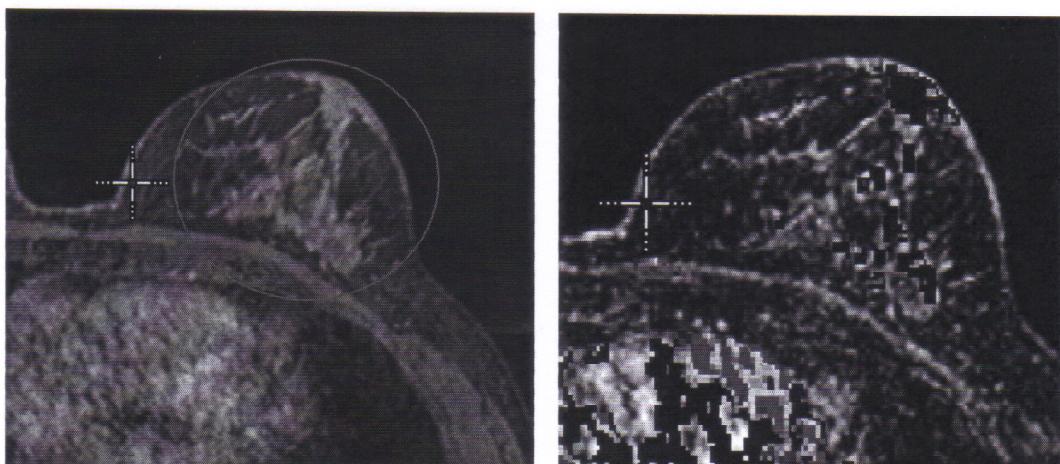
Patient ID: 3.141.148

Findings: Large area of non mass like enhancement in the left breast, encompassing almost the entire breast and combined with skin thickening and skin enhancement in the area of the nipple, and also some nipple retraction. **Histology:** invasive ductal carcinoma.



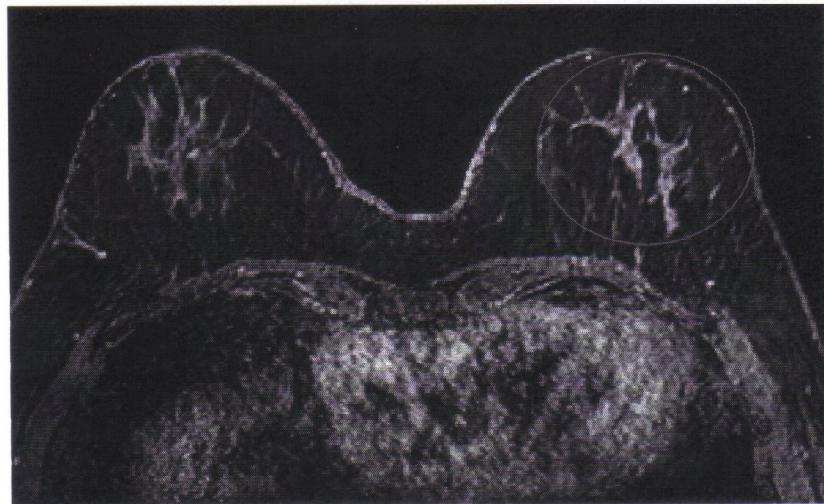
Patient ID: 9.189.026

Findings: very subtle, almost non-visible non mass like enhancement of a large area of the left breast, see also colour coding. **Histology:** ductal carcinoma in situ.



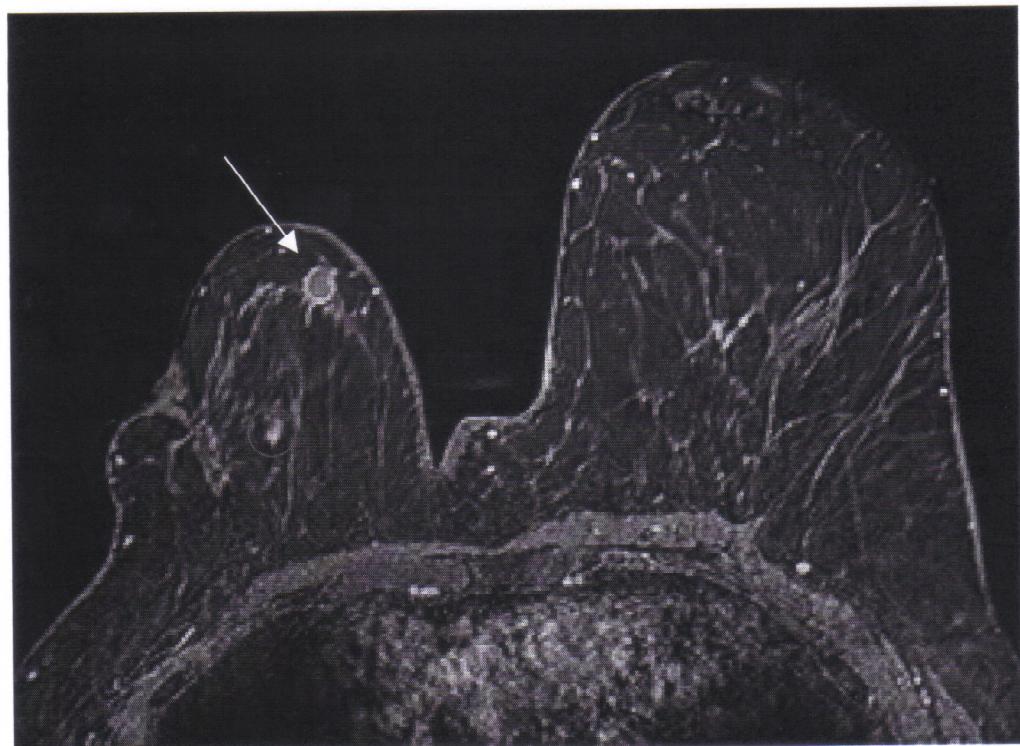
Patient ID: 2.004.235

Findings: Large area of non mass like enhancement in the left breast. **Histology findings:** ductal carcinoma in situ, grade II-III.



Patient ID: 8.184.869

Findings: Patient had prior surgery of the right breast because of breast cancer. During annual MRI follow up she had a small area of 6 mm of non mass like enhancement (red circle) close to the surgical area. In addition, she had a enhancing seroma (arrow), unchanged in time. **Histology findings after MR guided biopsy:** invasive ductal carcinoma.



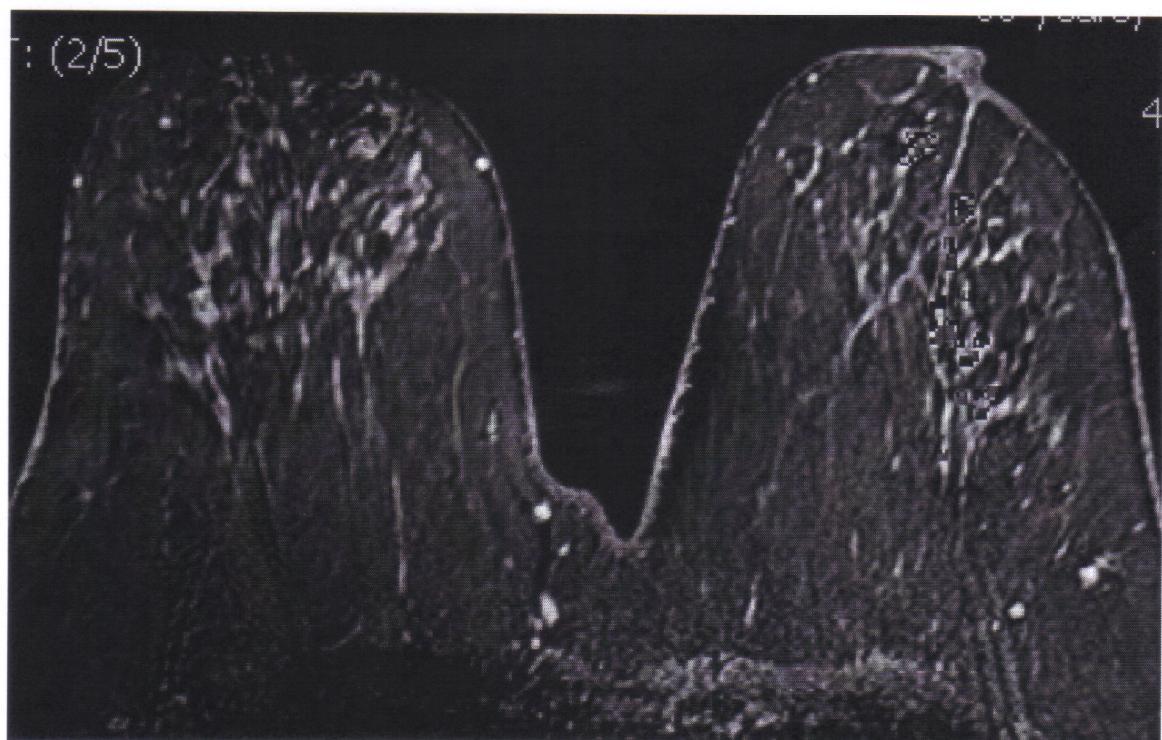
Patient ID: 4.030.560

Findings: Stellate area of non mass like enhancement in the right breast.
Histology findings: invasive ductal carcinoma in combination with ductal carcinoma in situ, high-grade.



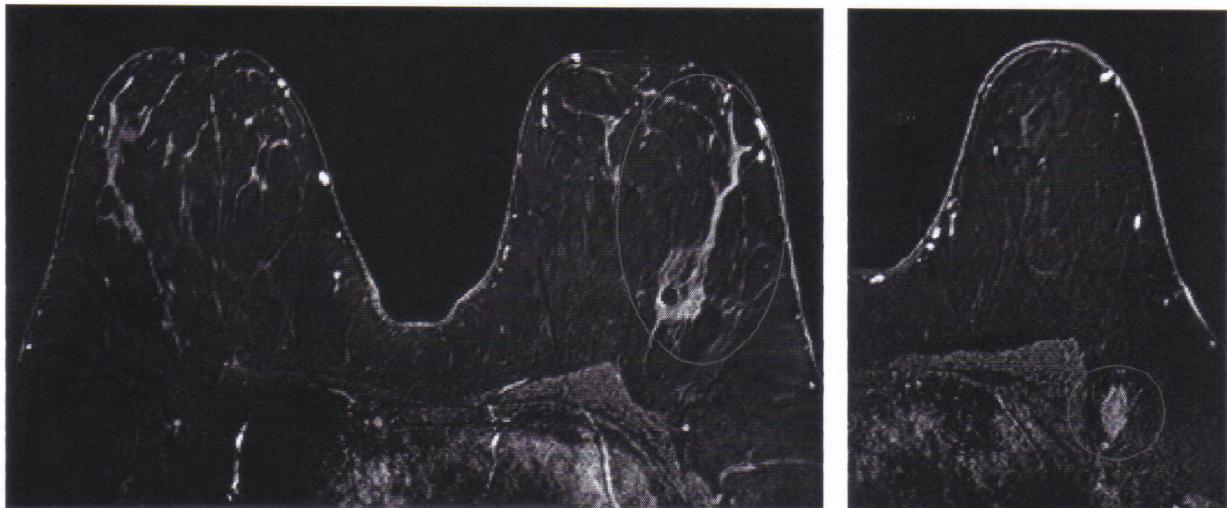
Patient ID: 7.170.660

Findings: Very subtle non mass like enhancement of a large area of the left breast, where progression of microcalcifications was observed on mammography. The enhancement can be seen as some punctiform enhancing nodi with a type III enhancement curve (see red color overlay). Histology showed a small focus of invasive ductal carcinoma in a large aread of ductal carcinoma in situ, grade I-II.



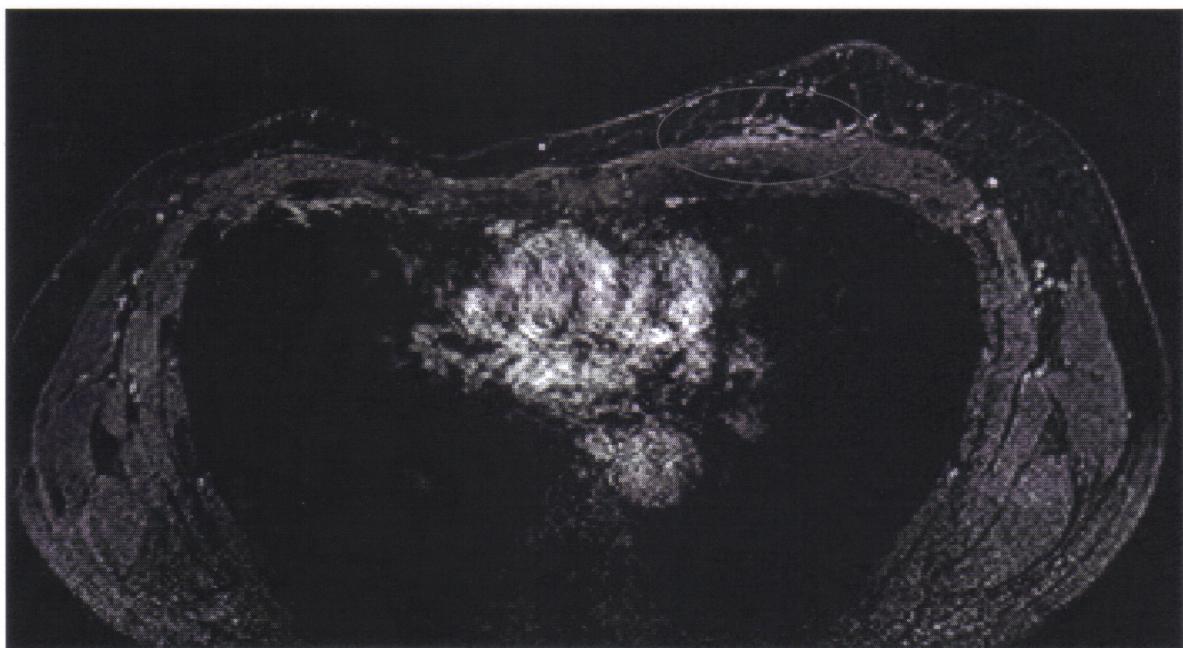
Patient ID: 4.498.799

Findings: There is a stellate mass visible in the left breast (not shown here, see original images). However, this mass shows a large area of non mass like enhancement towards the nipple, over an area of over 10 cm. Also, she had pathologic lymphomas in the left axilla.



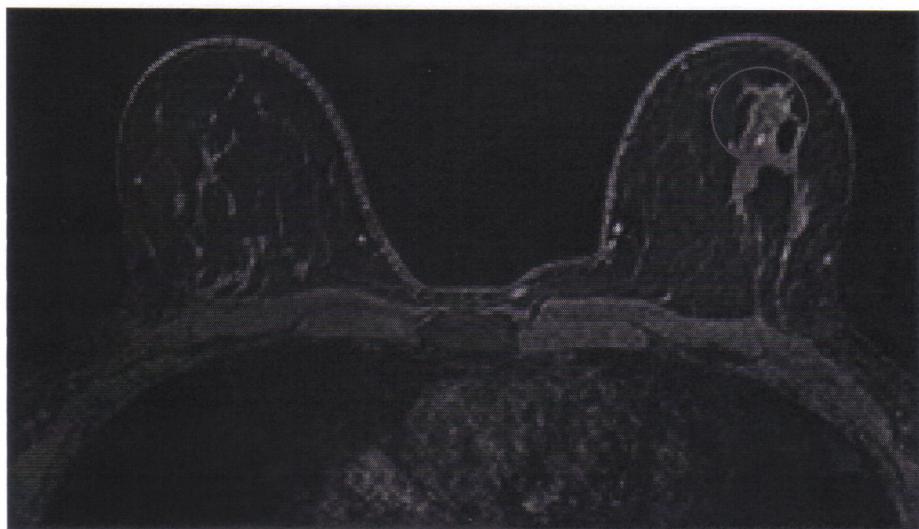
Patient ID: 5.211.071

Findings: Stellate small mass in the left breast, which was biopsied (invasive ductal carcinoma). However, the underlying fascie of the pectoral muscle shows linear enhancement.



Patient ID: 0.232.016

Findings: Reference from screening programm, because of pathologic microcalcifications. Very small, subtle enhancing noduli at the site of the biopsy, differential diagnosis: malignancy, or post-biopsy effect. Histology not known yet.



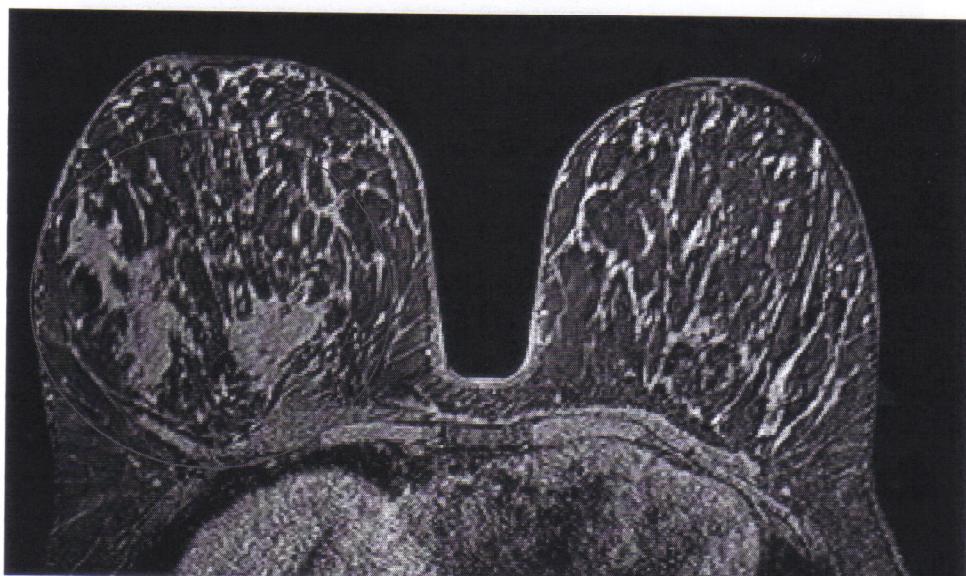
Patient ID: 2.145.272

Findings: Multifocal malignancy in the right breast, with pathologic axillary lymphomas (biopsy proven). Histology showed an invasive ductal carcinoma. The sequence protocol was somewhat different at that time, so images are also somewhat different.



Patient ID: 3.861.351

Findings: Large multicentric tumor of the right breast, with a large area of spiculated enhancement and large, pathologic axillary lymphomas. Histology of the axillary nodes was positive for malignancy, results from breast biopsies not yet known. Note: no contrast was administered during the first MR exam, she returned on April 9, 2011, for the contrast administration and additional imaging.



Patient ID: 7.068.387

Findings: Multifocal malignancy in the right breast with biopsy proven axillary lymph node metastases.



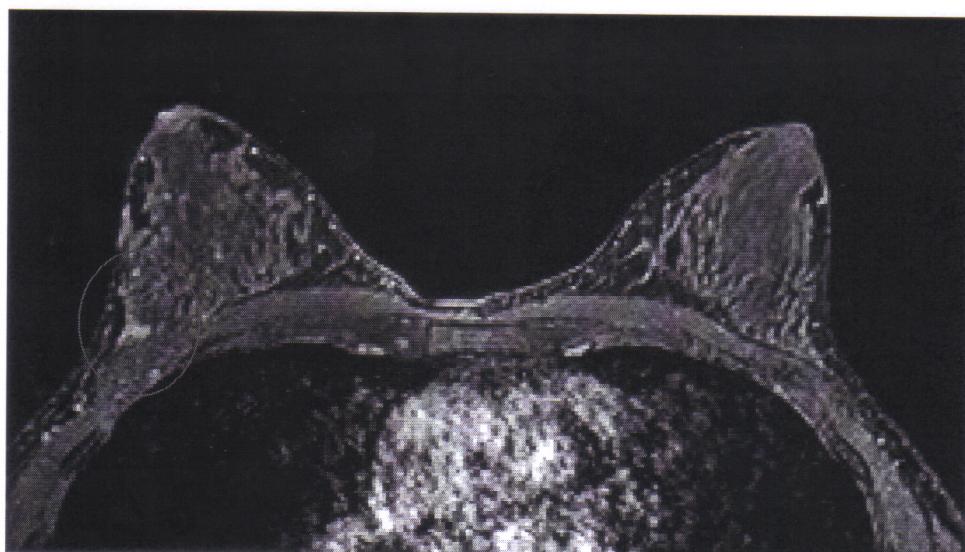
Patient ID: 7.585.734

Findings: There is a large area of non mass like enhancement in the lateral side of the breast. This area was previously biopsied, which showed ductal and papillary hyperplasia, but no signs of malignancy. However, the most recent scan suggest minor progression of the area that is enhancing, so a new biopsy will follow in the near future.



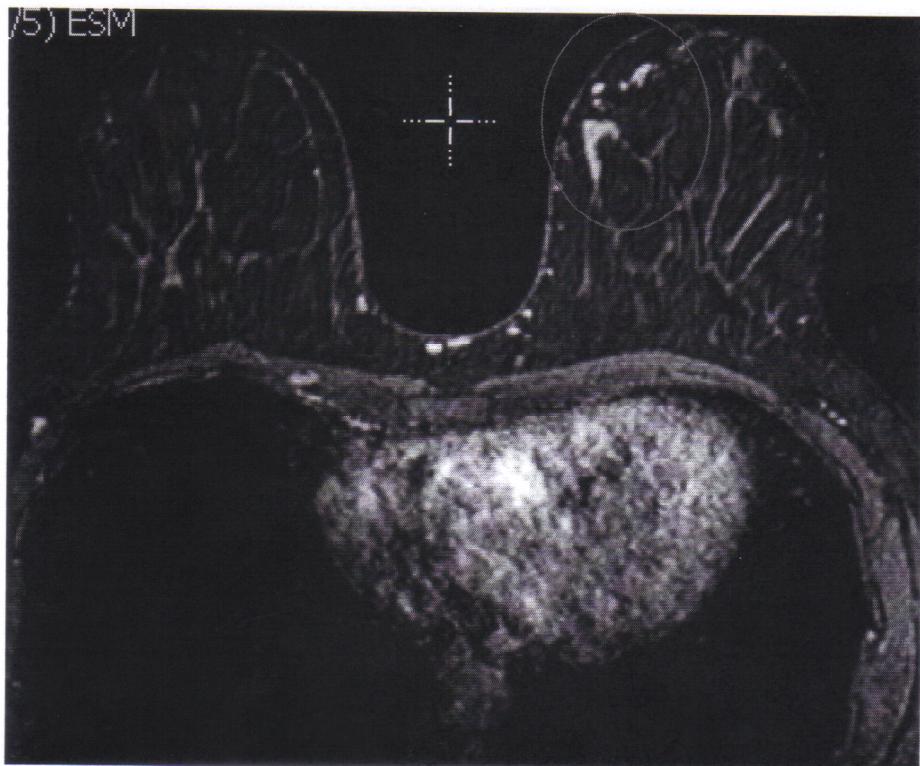
Patient ID: 6.100.373

Findings: Small area of non mass like enhancement in the lateral side of the right breast, showing a multifocal malignancy. Histology: invasive lobular carcinoma.



Patient ID: 1.018.659

Findings: Area of non mass like enhancement on the medial side of the left breast, representing a multifocal malignancy with a maximum diameter of 5 cm. The biopsies that were performed showed tissue that was suggestive for an adenoid cystic carcinoma. Other differential diagnostic considerations were neuro-endocrine carcinoma or high-grade cribriform DCIS, or cribriform carcinoma. Additional staining will have to be performed for this.



Patient ID:

Findings: