



Date of Surgery:

**SPECIMEN(S):** A. EXCISIONAL BIOPSY LEFT BREAST NEEDLE LOCALIZED

B. SLN #1 LEFT AXILLA

1cD-0-3

C. SLN #2 LEFT AXILLA

*carcinoma, infiltrating lobular, nos 8520/3  
Site: breast, nos 850.9 w 11/25/12*

**CLINICAL HISTORY:**

Left breast infiltrating lobular carcinoma with Nottingham grade 2; LCIS with comedonecrosis at the 2:00 position. Ultrasound revealed 12 mm x 15 mm 9 mm lesion.

**INTRAOPERATIVE CONSULTATION DIAGNOSIS:**

A-excisional biopsy left breast needle localized: Lesion identified 0.5 cm (gross) from superior margin. Diagnosis called by Dr. to Dr.

**DIAGNOSIS:**

A. BREAST, LEFT, NEEDLE LOCALIZATION WIDE LOCAL EXCISION:

- MULTIFOCAL INVASIVE LOBULAR CARCINOMA, NOTTINGHAM

GRADE 2.

- 1.7 CM AND 0.1 CM IN SIZE.

- DUCTAL CARCINOMA IN SITU (DCIS), MICROPAPILLARY TYPE,  
NUCLEAR GRADE 2, WITH MICROCALCIFICATIONS, MINOR

COMPONENT.

- LOBULAR CARCINOMA IN SITU (LCIS), PLEOMORPHIC AND CLASSIC  
TYPES.

- MARGINS, NEGATIVE FOR INVASIVE CARCINOMA, DCIS, AND  
PLEOMORPHIC LCIS.

- VESSELS WITH MICROCALCIFICATIONS.

NOTE: The size of the tumor (1.7 cm) was determined by measuring the tumor in slides A4 and A5. A 0.1 cm non-contiguous focus of invasive carcinoma was also seen in slide A12.

B. SENTINEL LYMPH NODE 1, LEFT AXILLA, BIOPSY:

- FOUR LYMPH NODES, NEGATIVE FOR CARCINOMA (0/4).

C. SENTINEL LYMPH NODE 2, LEFT AXILLA, BIOPSY:

- ONE LYMPH NODE, NEGATIVE FOR CARCINOMA (0/1).

**SYNOPTIC REPORT - BREAST**

Specimen Type: Excision

Needle Localization: Yes

Laterality: Left

Invasive Tumor: Present

Multifocality: Yes

## WHO CLASSIFICATION

Invasive lobular carcinoma 8520/3  
Tumor size: 1.7cm  
Tumor Site: 2:00  
Margins: Negative  
Distance from closest margin: 0.8cm  
superior  
Tubular Score: 3  
Nuclear Grade: 3  
Mitotic Score: 1  
Modified Scarff Bloom Richardson Grade: 2  
Necrosis: Absent  
Vascular/Lymphatic Invasion: None identified  
Lobular neoplasia: LCIS  
Lymph nodes: Sentinel lymph node  
Lymph node status: Negative 0 / 5

### DCIS present

Margins uninvolved by DCIS : 0.7 cm from the posterior margin  
DCIS Quantity: Estimate 3%  
DCIS Type: Micropapillary  
DCIS Location: Separate from invasive tumor mass  
DCIS Size (pure DCIS only): 0.3cm  
Nuclear grade: Intermediate  
Necrosis: Absent  
Location of CA++: DCIS  
Benign epithelium

### ER/PR/HER2 Results

ER: Positive  
PR: Positive  
HER2: Negative by FISH  
Performed on Case:

Pathological staging (pTN): pT 1c N 0

Pathological staging is based on the AJCC Cancer Staging Manual, 7th Edition

## SUMMARY OF IMMUNOHISTOCHEMISTRY/SPECIAL STAINS

### **Material: Block A3**

### ***Population: Tumor Cells***

Stain/Marker:	Result:	Comment:
ECADHERIN	Negative	

The interpretation of the above immunohistochemistry stain or stains is guided by published results in the medical literature, provided package information from the manufacturer and by internal review of staining performance and assay validation within the Immunohistochemistry Laboratory of the Department of Pathology Laboratory at the University of Michigan. The use of one or more reagents in the above tests is regulated as an analyte specific reagent (ASR). These tests were developed and their performance characteristic determined by the Department of Pathology Laboratory at the University of Michigan. They have not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary.

Special stains and/or immunohistochemical stains were performed with appropriately stained positive and/or negative controls.

**GROSS DESCRIPTION:**

**A. EXCISIONAL BIOPSY LEFT BREAST NEEDLE LOCALIZED**

Received fresh labeled with the patient's identification and "excisional biopsy left breast needle localized" is a previously inked, oriented (single stitch-anterior, double stitch-lateral, triple stitch-superior) 54 g, 3.1 x 3 x 2.9 cm needle localized excision with radiographs. Ink code: Anterior-yellow, posterior-black, medial-green, lateral-right, superior-blue, inferior-orange. The specimen is serially sectioned from lateral to medial into 7 slices revealing a 1.5 x 1.4 x 1.2 cm firm tan stellate mass that is closest to the superior margin at 0.5 cm and a biopsy clip in slice 3. Tissue is procured; representatively submitted as per the attached diagram (time placed in formalin):

- A1: perpendicular sections of lateral margin
- A2: slice 2, mid section
- A3: slice 3, anterior superior with mass
- A4: slice 4, anterior superior with mass
- A5: slice 4, posterior superior with mass
- A6: slice 4, anterior inferior
- A7: slice 4, mid inferior
- A8: slice 4, posterior inferior
- A9: slice 5, mid superior
- A10: slice 5, posterior superior
- A11: slice 5, mid section
- A12: slice 5, mid inferior
- A13: slice 6, anterior superior
- A14: slice 6, anterior inferior
- A15: perpendicular sections of medial margin

**B. SLN #1 LEFT AXILLA**

Received fresh labeled with patient's identification and "SLN #1 left axilla" is a piece of yellow-tan soft tissue, 6.2 x 3.1 x 1.2 cm containing 4 lymph nodes ranging from 0.4 x 0.3 x 0.2 cm to 1 x 0.7 x 0.6 cm. The lymph nodes are sectioned and submitted entirely and separately in B1-B4.

**C. SLN #2 LEFT AXILLA**

Received fresh labeled with the patient's identification and "SLN #2 left axilla" is a 1.5 x 0.9 x 0.7 cm lymph node. It is sectioned and submitted entirely in C1.

Criteria	Yes	No
Diagnosis Discrepancy		
Primary Tumor Site Discrepancy		
HIPAA Discrepancy		
Prior Malignancy History		
Dual/Synchronous Primary Note		
Case is (circle):	QUALIFIED	DISQUALIFIED
Reviewer Initials		
Date Reviewed:		

11/25/12