

Clinical Diagnosis & History:  
Core biopsy of left breast shows infiltrating carcinoma with FNA of node positive for carcinoma. Right mastectomy is prophylactic.

- 1: SP: Right breast
- 2: SP: Left breast and axillary contents levels 1 and 2
- 3: SP: Sentinel node #1 level 1 right axilla
- 4: SP: Additional left breast upper flap tissue

1) BREAST, RIGHT; PROPHYLACTIC MASTECTOMY:  
- BENIGN BREAST TISSUE WITH FLORID SCLEROSING ADENOSIS, FOCAL DUCTAL HYPERPLASIA WITHOUT ATYPIA, SECRETORY CHANGES, CYSTS, FIBROADENOMATOID CHANGES AND A FEW MICROCALCIFICATIONS.  
- UNREMARKABLE NIPPLE.

2) BREAST AND AXILLARY CONTENTS LEVELS 1 AND 2, LEFT; MODIFIED RADICAL MASTECTOMY AND AXILLARY LYMPH NODE DISSECTION:  
- INVASIVE DUCTAL CARCINOMA, HISTOLOGIC GRADE II-III/III, NUCLEAR GRADE III/III, ASSOCIATED WITH LYMPHOCYTIC INFILTRATE AND MEASURING 1.9 CM IN LARGEST DIMENSION MICROSCOPICALLY.  
- A MINOR COMPONENT OF DUCTAL CARCINOMA IN SITU (DCIS), SOLID AND MICROPAPILLARY TYPES WITH HIGH NUCLEAR GRADE AND NECROSIS, IS PRESENT ADMIXED WITH AND AWAY FROM THE INVASIVE CARCINOMA.  
- NO INVOLVEMENT OF THE NIPPLE, SKIN OR THE SURGICAL MARGINS BY CARCINOMA IS IDENTIFIED.  
- LYMPHOVASCULAR INVASION IS PRESENT.  
- THE NON-NEOPLASTIC BREAST TISSUE SHOWS PREVIOUS BIOPSY SITE CHANGES, FLORID SCLEROSING ADENOSIS, DUCTAL HYPERPLASIA WITHOUT ATYPIA AND A BENIGN INTRADUCTAL PAPILLOMA.  
- THE LYMPH NODE STATUS IS AS FOLLOWS (EXPRESSED AS THE NUMBER OF POSITIVE LYMPH NODES IN RELATION TO THE TOTAL NUMBER OF LYMPH NODES EXAMINED):  
    LEVEL I: 0/8  
    LEVEL II: 1/7  
THERE IS FOCAL EXTRANODAL EXTENSION OF CARCINOMA (>2 MM) AND PERINODAL VASCULAR INVASION.  
- RESULTS OF SPECIAL STAINS (ER, PR, HER-2/NEU) WILL BE REPORTED AS AN ADDENDUM.

\*\* Continued on next page \*\*

1CB-0-3  
carcinoma, infiltrating duct, NOS 8500/3  
Site: breast, NOS 250.9 bx 10/23/11

| Criteria             | Yes | No | Date of Review |
|----------------------|-----|----|----------------|
| Exposure Diversity   |     |    |                |
| Tripartite Funding   |     |    |                |
| LEAA Staff Capacity  |     |    |                |
| Tripartite Capacity  |     |    |                |
| Local Match Capacity |     |    |                |
| State of Georgia     |     |    |                |
| Relevant Entities    |     |    |                |

10/12/11

UUD:9363D53D-BC3B-4AC0-8185-536C6DB3A6AE  
 TCGA-A0-A12D-01A-PR  
 Redacted



- 3) LYMPH NODE, SENTINEL #1 LEVEL 1 RIGHT AXILLA; BIOPSY:  
 - ONE BENIGN LYMPH NODE (0/1).  
 - ADDITIONAL H/E LEVELS AND CYTOKERATIN (AE1:AE3) IMMUNOSTAINS ARE ALSO  
 NEGATIVE FOR METASTATIC TUMOR.
- 4) SOFT TISSUE, ADDITIONAL LEFT BREAST UPPER FLAP; EXCISION:  
 - ADIPOSE TISSUE, NEGATIVE FOR TUMOR.

I ATTEST THAT THE ABOVE DIAGNOSIS IS BASED UPON MY PERSONAL EXAMINATION OF  
 THE SLIDES (AND/OR OTHER MATERIAL), AND THAT I HAVE REVIEWED AND APPROVED  
 THIS REPORT.

\*\*\* Report Electronically Signed Out \*\*\*

Special Studies:

| Result | Special Stain | Comment |
|--------|---------------|---------|
|        | ER-C          |         |
|        | PR-C          |         |
|        | HER2-C        |         |
|        | NEG-HER2      |         |
|        | NEG CONT      |         |
|        | IMM RECUT     |         |
|        | ER-C          |         |
|        | PR-C          |         |
|        | ER-C          |         |
|        | PR-C          |         |
|        | HER2-C        |         |
|        | NEG-HER2      |         |
|        | NEG CONT      |         |
|        | IMM RECUT     |         |
|        | AE1:AE3       |         |
|        | NEG CONT      |         |
|        | IMM RECUT     |         |

Gross Description:

1) The specimen is received fresh, labeled "Right breast. Stitch marks  
 axillary tail". It consists of a breast measuring 18 x 17 x 5 cm overlaid  
 by white-tan skin, measuring 10 x 4.5 cm. There is a centrally placed,  
 slightly inverted nipple, measuring 1.2 cm in diameter, surrounded by an  
 unremarkable areola, measuring 4 cm in diameter. Cross-sectioning of the  
 specimen reveals dense fibroid tissue in the central portion of the  
 specimen, but no discrete mass is identified. Representative sections are  
 taken.

Summary of Sections:

N - Nipple  
 NB - Nipple base  
 DM - Deep margin

\*\* Continued on next page \*\*

FT - Fibroadipose tissue  
LIQ - Lower inner quadrant  
LOQ - Lower outer quadrant  
UIQ - Upper inner quadrant  
UOQ - Upper outer quadrant

Page 3 of 3

3

2) The specimen is received fresh, labeled "Left breast and axillary contents, levels 1 and 2 (2 specimen tags attached)". It consists of a breast measuring 16 x 16 x 5.5 cm, with an axillary tail measuring 10 x 7 x 1.6 cm. The axillary tail has 2 tags designating levels 1 and 2. The specimen is overlaid by white-tan, unremarkable skin, measuring 10.5 x 1.3 cm. The is a centrally placed, everted nipple, measuring 1.0 cm in diameter, surrounded by unremarkable areola, measuring 4 cm in diameter. Cross-sectioning of the specimen reveals a firm to hard, fairly circumscribed, centrally placed mass, measuring 1.7 x 1.5 x 1.5 cm, approximately 1.0 cm from the deep margin. The mass, arbitrarily designated T1 is surrounded by dense fibrous tissue. Approximately 5 cm lateral and 3 cm anterior to T1 is a mass measuring 1.0 cm in diameter and approximately 4 cm from the deep margin. The second mass, which is arbitrarily designated T2, has a central cavity filled with necrotic material grossly. The remainder of the breast tissue consists of unremarkable fibroadipose tissue. Examination of the axillary tail show several lymph nodes at level 1, ranging from 0.5 cm to 2.0 cm and at level 2 ranging from 0.5 cm to 2.5 cm. The smaller lymph nodes are submitted in toto. The largest lymph nodes are bisected, alternatively inked and submitted entirely.

Summary of Sections:

N - Nipple  
NB - Nipple base  
FT - Fibrous tissue  
DM - Deep margin  
T1 - Centrally-placed mass, 1 cm to the deep margin  
T2 - Laterally-placed mass  
LIQ - Lower inner quadrant  
LOQ - Lower outer quadrant  
UIQ - Upper inner quadrant  
UOQ - Upper outer quadrant  
LN1 - Level 1 lymph node  
BLN1 - Bisected level 1 lymph node  
BLLN1 - Bisected largest level 1 lymph node  
LN2 - Level 2 lymph node  
BLN2 - Bisected level 2 lymph node  
BLLN2 - Bisected largest level 2 lymph node

3) The specimen is received in formalin, labeled "Sentinel node #1, level 1, right axilla". It consists of an apparent lymph node, measuring 1.2 x 1.0 x 0.5 cm, surrounded by pink-tan, unremarkable adipose tissue, measuring 1.0 x 1.0 x 0.2 cm. The lymph node is bisected and submitted in toto, in addition to the surrounding fibroadipose tissue.

Summary of Sections:

\*\* Continued on next page \*\*

4) The specimen is received in formalin, labeled "Additional left breast upper flap tissue". It consists of yellow-tan fibroadipose tissue, measuring 4 x 3 x 0.5 cm. Cross-sectioning of the specimen reveals grossly unremarkable adipose tissue. The specimen is entirely submitted.

## Summary of Sections:

FA - Fibroadipose tissue

## Summary of Sections:

## Part 1: SP: Right breast

| Block | Sect. Site | PCs |
|-------|------------|-----|
| 1     | dm         | 1   |
| 8     | fa         | 8   |
| 1     | liq        | 1   |
| 1     | loq        | 1   |
| 1     | n          | 1   |
| 1     | nb         | 1   |
| 1     | uiq        | 1   |
| 1     | uoq        | 1   |

## Part 2: SP: Left breast and axillary contents levels 1 and 2

| Block | Sect. Site | PCs |
|-------|------------|-----|
| 1     | bl1n1      | 1   |
| 2     | bl1n2      | 2   |
| 1     | bln1       | 1   |
| 2     | bln2       | 2   |
| 1     | dm         | 1   |
| 2     | fa         | 2   |
| 1     | liq        | 1   |
| 2     | ln1        | 2   |
| 1     | ln2        | 1   |
| 1     | loq        | 1   |
| 1     | n          | 1   |
| 3     | nb         | 1   |
| 2     | t1         | 3   |
| 1     | t2         | 2   |
| 1     | uiq        | 1   |
| 1     | uoq        | 1   |

## Part 3: SP: Sentinel node #1 level 1 right axilla

| Block | Sect. Site | PCs |
|-------|------------|-----|
| 1     | sln        | 1   |

\*\* Continued on next page \*\*

Part 4: SP: Additional left breast upper flap tissue Page 5 of 5

Block 5 Sect. Site fa PCs 5

Procedures/Addenda:

Addendum

Date Ordered:

Date Complete:

Date Reported:

Status: Signed Out

By:

Addendum Diagnosis

ADDENDUM REPORT

SITE: LEFT BREAST (PART #2)

ER: 0% NUCLEAR STAINING

PR: 0% NUCLEAR STAINING

HER-2/NEU (HERCEPTEST): POSITIVE (STAINING INTENSITY OF 3+)

CONTROLS ARE SATISFACTORY

\*\* End of Report \*\*