

Carcinoma, infiltrating duct, NOS

8500/3 12/8/10

Path  
CQCF

Site Code: breast, upper outer quadrant C50.4  
Site: breast, NOS C50.9

UUID: 957AC780-D613-4F97-B8BC-930EB95EE2E4  
TCGA-E2-A14Y-01A-PR

Redacted



TSS:

**SPECIMENS:**

- A. SLN #1 RIGHT AXILLA
- B. SLN #2 RIGHT AXILLA
- C. SLN #3 RIGHT AXILLA
- D. SLN #4 RIGHT AXILLA
- E. RIGHT BREAST
- F. ADDITIONAL AXILLARY TAIL RIGHT BREAST
- G. SCALP LESION

**SPECIMEN(S):**

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**GROSS DESCRIPTION:**

**A. SLN #1 RIGHT AXILLA**

Received fresh labeled with the patient's identification and "SLN #1 right axilla" is a tan pink lymph node 2.5 x 1.5 x 1.1cm. The specimen is sectioned and a touch prep is taken. Toto A1-A2.

**B. SLN #2 RIGHT AXILLA**

Received fresh labeled with the patient's identification and "SLN #2 right axilla" is a tan pink lymph node 0.8 x 0.5 x 0.4cm. The specimen is sectioned and a touch prep is taken. Toto B1.

**C. SLN #3 RIGHT AXILLA**

Received fresh labeled with the patient's identification and "SLN #3 right axilla" is a tan pink lymph node 0.7 x 0.5 x 0.2cm. The specimen is sectioned and a touch prep is taken. Toto C1.

**D. SLN #4 RIGHT AXILLA**

Received fresh labeled with the patient's identification and "SLN #4 right axilla" are two tan pink lymph nodes 1.1cm and 0.6cm in greatest dimension. The specimens are sectioned and a touch prep is taken.

D1: 1 lymph node

D2: 1 lymph node

**E. RIGHT BREAST**

Received fresh labeled with the patient's name and "right breast" is an oriented 466g, 17.5 x 16 x 2.5 cm mastectomy with a 7.5 x 3.2 cm skin ellipse and 1.5 cm everted nipple. Ink code: Anterior/superior-blue, anterior/inferior-orange, posterior-black. The specimen is serially sectioned into 12 slices from lateral to medial with nipple in slice 8 revealing a 2.7 x 2.5 x 2.5 cm white-tan firm infiltrating mass in the mid upper breast in slices 7-9 that is closest to the anterior margin at 0.5 cm. There is a clip located within the mass. Adjacent to the mass is a biopsy site with biopsy clip and surrounding granular tissue spanning ~ 4 cm in slices 4-7 in the upper outer quadrant. Tissue is procured. Representatively submitted:

E1: slice 7, mid anterior including bisected mass

E2: slice 7, mid posterior including bisected mass (clip)

E3: slice 7, fibrous tissue inferior to mass

E4: slice 8, margin deep to mass

E5: slice 8, mass

E6: slice 9, mass, UIQ

E7: slice 6, mid-superior

E8: slice 6, mid anterior (with clip)

E9: slice 5, mid superior

E10: slice 5, deep margin

E11: slice 4, upper anterior margin

E12: slice 4, lower anterior margin

E13: slice 3, superior mid

E14: slice 2, midsection

E15: slice 4, lower outer quadrant

E16: slice 5, lower outer quadrant

E17: slices 7-8, lower inner quadrant

E18: slices 9-10, lower inner quadrant

E19: nipple

E20: nipple and skin

**F. ADDITIONAL AXILLARY TAIL RIGHT BREAST**

Received in formalin labeled with the patient's identification and "additional axillary tail right breast" are multiple tan pink soft tissue fragments aggregating to 3 x 2 x 1 cm. No lymph node is grossly identified. Toto F1-F3.

**G. SCALP LESION**

Received in formalin labeled with the patient's identification and "scalp lesion" is a tan white firm well circumscribed mass 1.4 x 1.3 x 1 cm. The resection margin is inked black and the specimen is trisected. Toto G1.

**DIAGNOSIS:**

- A. SENTINEL LYMPH NODE #1, RIGHT AXILLA, BIOPSY:
  - ONE LYMPH NODE, NO TUMOR SEEN (0/1).
- B. SENTINEL LYMPH NODE #2, RIGHT AXILLA, BIOPSY:
  - ONE LYMPH NODE, NO TUMOR SEEN (0/1).
- C. SENTINEL LYMPH NODE #3, RIGHT AXILLA, BIOPSY:
  - ONE LYMPH NODE, NO TUMOR SEEN (0/1).
- D. SENTINEL LYMPH NODE #4, RIGHT AXILLA, BIOPSY:
  - TWO LYMPH NODES, NO TUMOR SEEN (0/2).
- E. BREAST, RIGHT, MASTECTOMY:
  - INVASIVE DUCTAL CARCINOMA, SBR GRADE 3, WITH FOCAL SQUAMOUS FEATURES AND NECROSIS.
    - TUMOR MEASURES 2.7 CM.
    - MARGINS, NO TUMOR SEEN.
  - DUCTAL CARCINOMA IN SITU (DCIS), SOLID TYPE, NUCLEAR GRADE 3, WITH NECROSIS AND MICROCALCIFICATIONS, INVOLVING LOBULES.
  - SKIN AND NIPPLE, NO TUMOR SEEN.
- F. ADDITIONAL AXILLARY TAIL, RIGHT, EXCISION:
  - FIBROADIPOSE TISSUE, NO TUMOR OR LYMPH NODES SEEN.
- G. SCALP, LESION, EXCISION:
  - PILAR CYST.

**SYNOPTIC REPORT - BREAST**

Specimen Type: Mastectomy  
Needle Localization: No  
Laterality: Right  
Invasive Tumor: Present  
Multifocality: No  
WHO CLASSIFICATION  
Invasive ductal carcinoma, NOS 8500/3  
Tumor size: 2.7cm  
Tumor Site: 12:00  
Margins: Negative  
Distance from closest margin: 0.5cm  
anterior  
Tubular Score: 3  
Nuclear Grade: 3  
Mitotic Score: 3  
Modified Scarff Bloom Richardson Grade: 3  
Necrosis: Present  
Vascular/Lymphatic Invasion: None identified  
Lobular neoplasia: None  
Lymph nodes: Sentinel lymph node only  
Lymph node status: Negative 0 / 5

DCIS present  
Margins uninvolved by DCIS  
DCIS Quantity: Estimate 15%  
DCIS Type: Solid  
Cribriform  
DCIS Location: Both associated and separate from invasive tumor mass  
Nuclear grade: High  
Necrosis: Present  
Location of CA++: DCIS

ER/PR/HER2 Results  
ER: Positive  
PR: Positive  
HER2: Positive by FISH

Pathological staging (pTN): pT 2 N 0

**CLINICAL HISTORY:**

None provided

**PRE-OPERATIVE DIAGNOSIS:**

Right axilla

**INTRAOPERATIVE CONSULTATION:**

TPA-TPB-TPC-TPD: Negative for tumor on touch prep. Diagnosis called by Dr. to Dr. al (A-C) and (D).

Gross Dictation: Pathologist, i

Microscopic/Diagnostic Dictation: Pathologist, i

Final Review: Pathologist, i

Final: Pathologist,

Criteria	Yes	No
Diagnosis Discrepancy		/
Primary Tumor Site Discrepancy		/
IPAA Discrepancy		/
Prior Malignancy History		/
Dual/Synchronous Primary Noted		/
Case is (circle):	QUALIFIED	DISQUALIFIED
Reviewer Initials	11/23/10	