

105-0-3

Carcinoma, infiltrating duct, NOS

8500/3 12/8/10
for

Path Site Code: breast, central portion
C50.1
CQCF Site: breast, NOS C50.9

(make pt)

TSS.

SPECIMENS:

- A. SLN #1
- B. SLN #2
- C. LEFT BREAST
- D. SLN #3
- E. UPPER OUTER QUADRANT LEFT BREAST
- F. SLN #4
- G. INFERIOR MEDIAL LEFT BREAST MARGIN

UUID:9ECD3DA1-25A4-4325-9B3B-6D7C12283C37
TCGA-E2-A14W-01A-PR

Redacted



SPECIMEN(S):

- A. SLN #1
- B. SLN #2
- C. LEFT BREAST
- D. SLN #3
- E. UPPER OUTER QUADRANT LEFT BREAST
- F. SLN #4
- G. INFERIOR MEDIAL LEFT BREAST MARGIN

INTRAOPERATIVE CONSULTATION DIAGNOSIS:

TPA/TPB - SLN #1/SLN #2: Negative for tumor cells.

TPD/TPF - SLN #3/SLN #4: Negative for tumor.

Called by Dr to Dr. at (A, B) (D) and (F).

C - left breast: (gross exam only) 2.5 x 2 x 1.5 cm tumor located 1.2 cm from the closest/deep margin; tumor extends to the nipple and areola, called by Dr. to Dr. at

GROSS DESCRIPTION:

A. SLN #1

Received fresh is a tiny piece of lymphoid tissue within fibroadipose tissue, 0.4 x 0.2 x 0.2 cm. A touch prep is performed; submitted entirely in cassette A1.

B. SLN #2

Received fresh is a piece of lymphoid tissue within fibroadipose tissue, 0.4 x 0.2 x 0.2 cm. A touch prep is performed; submitted entirely in cassette B1.

C. LEFT BREAST, STITCH AT AXILLARY TAIL

Received fresh labeled with the patient's identification and "left breast, stitch in axillary tail" is an oriented 392g, 20 x 14.5 x 2 cm mastectomy with 11.5 x 5.2 skin ellipse and 1.6cm inverted and ulcerated nipple. Ink code:

Anterior/superior-blue, anterior/inferior-orange, posterior-black. The specimen is serially sectioned into 18 slices from medial to lateral with the nipple in slice 5 revealing a 2.5 x 2 x 1.5 cm white-tan firm well-circumscribed mass beneath the nipple, present in slices 5 to 7 that is 1.2 cm from the deep margin. A gross diagnosis was conveyed to OR and tissue is procured. Representatively submitted:

C1-C2: slice 5, mass and extension to nipple

C3: slice 5, mass and deep margin

C4: slice 6, superior posterior mass

C5: slice 6, anterior inferior mass

C6: slice 6, inferior posterior mass

C7: slice 7, mass and normal appearing parenchyma

C8: slice 8, normal appearing parenchyma adjacent to mass

C9: slice 3, upper inner quadrant

C10: slice 9, upper outer quadrant

C11: slice 10, lower outer quadrant

C12: slice 4, lower inner quadrant

C13: skin

C14-C17: nipple

C18: 1 axillary lymph node

D. SLN #3

Received fresh is a lymph node, 0.3 x 0.3 x 0.2 cm. A touch prep is performed and the lymph node is submitted entirely for cassette D1.

E. UPPER OUTER QUADRANT LEFT BREAST; STITCH AT NEW UPPER OUTER MARGIN

Received fresh labeled with the patient's identification and "upper outer quadrant left breast; stitch at new upper outer margin" is an oriented 37g, 9 x 6.3 x 0.8 cm fibrofatty tissue. Final margin is inked black. Serial sectioning reveals no discrete lesions. Representatively submitted in cassettes E1-E6.

F. SLN #4

Received fresh is a lymph node, 0.3 x 0.3 x 0.2 cm. A touch prep is performed; submitted entirely in cassette F1.

G. INFERIOR MEDIAL BREAST-LEFT; STITCH AT DEEP MARGIN

Received fresh labeled with the patient's identification and "inferior medial breast-left; stitch at deep margin" is an oriented 3g, 4.1 x 2.5 x 0.6 cm fibrofatty tissue. Final margin is inked black. Serial sectioning reveals no discrete lesions. Entirely submitted in cassettes G1-G4.

DIAGNOSIS:

- A. SENTINEL LYMPH NODE #1, LEFT AXILLA, BIOPSY:
 - ONE LYMPH NODE, NO TUMOR SEEN (0/1).
- B. SENTINEL LYMPH NODE #2, LEFT AXILLA, BIOPSY:
 - ONE LYMPH NODE, NO TUMOR SEEN (0/1).
- C. BREAST, LEFT, MASTECTOMY:
 - ~~INVASIVE DUCTAL CARCINOMA, POORLY DIFFERENTIATED~~
 - (SBR GRADE 3), WITH ULCERATION OF THE NIPPLE.
 - TUMOR MEASURES 2.5 CM IN GREATEST DIMENSION.
 - MARGINS, NO TUMOR SEEN.
 - ONE LYMPH NODE WITH NON-NECROTIZING GRANULOMAS, NO TUMOR SEEN (0/1) (SEE NOTE).

NOTE: Special stains have been ordered on the lymph node and those results will be reported in an addendum. A CD31 stain has been ordered for evaluation of lymphovascular invasion and those results will be reported in an addendum.

- D. SENTINEL LYMPH NODE #3, LEFT AXILLA, BIOPSY:
 - ONE LYMPH NODE, NO TUMOR SEEN (0/1).
- E. BREAST, LEFT, UPPER OUTER QUADRANT, EXCISION:
 - FIBROADIPOSE TISSUE, NO TUMOR SEEN.
- F. SENTINEL LYMPH NODE #4, LEFT AXILLA, BIOPSY:
 - ONE LYMPH NODE, NO TUMOR SEEN (0/1).
- G. BREAST, LEFT, INFERIOR MEDIAL MARGIN, EXCISION:
 - FIBROADIPOSE TISSUE, NO TUMOR SEEN.

SYNOPTIC REPORT - BREAST

Specimen Type: Mastectomy
Needle Localization: No
Laterality: Left
Invasive Tumor: Present
Multifocality: No
WHO CLASSIFICATION
Invasive ductal carcinoma, NOS 8500/3
Tumor size: 2.5cm
Tumor Site: Central
Margins: Negative
Distance from closest margin: Greater than 1cm
deep
Tubular Score: 3
Nuclear Grade: 3
Mitotic Score: 3
Modified Scarff Bloom Richardson Grade: 3
Necrosis: Absent
Lobular neoplasia: None
Lymph nodes: Sentinel lymph node only
Lymph node status: Negative 0 / 5

DCIS not present

ER/PR/HER2 Results

ER: Positive
PR: Positive
HER2: Positive by FISH

Pathological staging (pTN): pT 2 N 0

CLINICAL HISTORY:

year-old recent dx of left breast cancer in , core biopsy -IDC ER/PR positive, Her2 (illegible). Now for left mastectomy and sentinel lymph node biopsy-2 cm retroareolar mass.

PRE-OPERATIVE DIAGNOSIS:

Left breast cancer

ADDENDUM:

NOTE: A CD31 stain was performed on C4 and is negative showing no evidence of lymphovascular invasion. Special stains (GMS, AFB, PAS) were performed on the lymph node (C18) and are negative showing no evidence of fungal or acid fast organisms. The non-necrotizing granulomas would be consistent with the patient's history

Gross Dictation: Pathologist,

Microscopic/Diagnostic Dictation: Pathologist,

Final Review: Pathologist,

Final: Pathologist,

Addendum: Pathologist,

Addendum 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	W	W
Date Reviewed:	11/2/10	