

ICD-0-3

Carcinoma, Lobule, Invasive
8520/3

Site Code: breast, NOS C50.9

12/19/10 lw

TSS Pt ID:

SPECIMENS:

- A. LEFT BREAST WLE NEEDLE LOC
- B. SLN #1
- C. SLN #2
- D. RIGHT BREAST
- E. SLN #3
- F. ADDITIONAL SENTINEL LYMPH NODE RIGHT AXILLA
- G. RIGHT AXILLARY CONTENTS LEVELS 1 & 2

UUID: BA87D188-A3B3-4A6F-B3AF-1FEB25B9E357
TCGA-E2-A107-01A-PR

Redacted



SPECIMEN(S):

- A. LEFT BREAST WLE NEEDLE LOC
- B. SLN #1
- C. SLN #2
- D. RIGHT BREAST
- E. SLN #3
- F. ADDITIONAL SENTINEL LYMPH NODE RIGHT AXILLA
- G. RIGHT AXILLARY CONTENTS LEVELS 1 & 2

INTRAOPERATIVE CONSULTATION DIAGNOSIS:

FSA-left breast: No definitive mass seen, tissue with fibrosis by Dr. to Dr. at
TPB-SLN #1: Lymph node negative for carcinoma.
TPC/TPE-SLN #2 & #3: Lymph nodes positive for carcinoma.
Called by Dr. to Dr at

GROSS DESCRIPTION:

A. LEFT BREAST WLE NEEDLE LOC

Received fresh labeled with the patient's identification and "left breast WLE needle localization" is an oriented (single-anterior, double-lateral, triple-superior) needle localized lumpectomy with out radiograph. Ink code: anterior-yellow, posterior-black, medial-green, lateral-red, superior-blue, inferior-orange. The specimen is serially sectioned into 5 sections revealing dense fibrous tissue without a distinct mass. No tissue is procured. Entirely submitted:

A1-A3: slice 1, lateral margin, perpendicular sections

A4: slice 2, anterior

A5: slice 2, posterior

A6: slice 3, anterior

A7: slice 3, posterior

A8: slice 4, anterior

A9: slice 4, posterior

A10-A11: slice 5, medial margin, perpendicular sections

B. SLN #1

Received fresh is a 3 x 0.8 x 0.5 cm lymph node. A touch prep is performed and the lymph node is submitted entirely in cassette B1.

C. SLN #2

Received fresh is a lymph node measuring 1.4 x 1.2 x 0.5 cm. One touch prep is performed and the lymph node is submitted entirely in cassette C1.

D. RIGHT BREAST

Received fresh labeled with the patient's identification and "right breast" is an oriented 678 g, 24 x 21 x 5 cm mastectomy with 11.5 x 7 the skin ellipse and 1.7 cm everted nipple. Ink code: anterior/superior-blue, anterior/inferior-orange, posterior-black. The specimen is serially sectioned into 12 slices from medial to lateral with nipple and slice 5 revealing an area of dense nodular firm fibrous tissue, 10 x 8 x 4 cm, extending from the upper inner quadrant to the mid outer quadrant at is closest to the posterior/deep margin at 1.5 cm. Representatively submitted.

D1: slice 2, lower-superior anterior

D2: slice 2, upper-inferior anterior

D3-D8: slice 3, mid section submitted from superior to inferior

D9: slice 4, lower-superior anterior

D10: slice 4, lower-superior posterior

D11: slice 5, lower-superior anterior

D12: slice 5, lower-superior posterior

D13: slice 5, made anterior

D14: slice 5, mid posterior
D15: slice 5, upper-inferior anterior
D16: slice 5, upper-inferior posterior
D17: slice 6, mid superior
D18: slice 6, lower-superior posterior
D19: slice 6, upper-inferior anterior
D20: slice 6, mid inferior
D21: slice 7, mid superior
D22: slice 7, mid inferior
D23: slice 8, mid lower-superior
D24: slice 8, mid upper-inferior
D25: slice 9, mid upper-inferior
D26: slice 9, mid inferior
D27: slice 10, mid upper-inferior
D28: slice 10, mid inferior
D29: slice 11, upper-inferior posterior
D30: slice 1, mid
D31-D32: nipple, perpendicular sections
D33: skin
D34: 1 axillary lymph node
E. SLN #3

Received fresh is a lymph node, 2 x 1 x 0.5 cm. A touch prep is performed and the lymph node is submitted entirely in cassette E1.

F. ADDITIONAL SENTINEL LYMPH NODE RIGHT AXILLA

Received fresh is a piece of yellow-tan tissue 2.5 x 2.1 x 1 cm. Two lymph nodes are identified measuring 1.4 and 1.8 cm. Lymph nodes are submitted separately in cassettes F1-F2.

G. RIGHT AXILLARY CONTENTS LEVELS 1 AND 2

Received fresh is an aggregate of adipose tissue, 7 x 5 x 1.5 cm. Multiple lymph nodes are identified ranging from 0.1 to 2.1 cm; they have a variegated pink-tan cut surface. Lymph nodes submitted as follows:

G1-G2: 4 lymph nodes each
G3: 6 lymph nodes
G4: 2 lymph nodes
G5-G8: 1 lymph node each

DIAGNOSIS:

A. BREAST, LEFT, WIDE LOCAL EXCISION:

- USUAL DUCTAL HYPERPLASIA WITHOUT ATYPIA, MICROCALCIFICATIONS IN BENIGN DUCTS AND FIBROCYSTIC CHANGES WITH FIBROSIS
- FOCAL FAT NECROSIS AND MILD ACUTE INFLAMMATION, NO TUMOR SEEN.

B. LYMPH NODE, SENTINEL #1, EXCISION:

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

C. LYMPH NODE, SENTINEL #2, EXCISION:

- METASTATIC CARCINOMA TO ONE OF ONE LYMPH NODE (1/1), MEASURING 0.8-CM WITH NO EXTRANODAL EXTENSION.

D. BREAST, RIGHT, SIMPLE MASTECTOMY:

- MULTIFOCAL, INVASIVE, LOBULAR CARCINOMA, SBR GRADE 2, MEASURING 10-CM
- INVASIVE TUMOR PRESENT 2-MM FROM DEEP SURGICAL RESECTION MARGIN
- METASTATIC CARCINOMA TO ONE OF TWO AXILLARY LYMPH NODES (1/2)
- SEE SYNOPTIC REPORT AND SEE NOTE.

E. LYMPH NODE, SENTINEL #3, EXCISION :

- METASTATIC CARCINOMA TO ONE OF ONE LYMPH NODE (1/1), MEASURING 0.7-CM WITH FOCAL EXTRANODAL EXTENSION.

F. LYMPH NODE, ADDITIONAL SENTINEL, RIGHT AXILLA, BIOPSY:

- METASTATIC CARCINOMA TO ONE OF TWO LYMPH NODES (1/2).

G. LYMPH NODES, RIGHT AXILLARY CONTENTS, LEVELS 1 AND 2, DISSECTION:
- TWENTY LYMPH NODES, NEGATIVE FOR METASTASES (0/20).

NOTE: Extensive and multifocal invasive lobular carcinoma is identified. The tumor grossly measures 10-cm. Microscopic examination reveals that the tumor extends from slice #1 to slice #8 (predominantly in the inner half, central and subareolar region, with extension to outer quadrants).

SYNOPTIC REPORT - BREAST

Specimen Type: Mastectomy

Needle Localization: No

Laterality: Right

Invasive Tumor: Present

Multifocality: Yes

WHO CLASSIFICATION

Invasive lobular carcinoma 8520/3

Tumor size: 10cm

Tumor Site: Upper outer quadrant

Lower outer quadrant

Upper inner quadrant

Lower inner quadrant

Central

Margins: Negative

Distance from closest margin: 0.2cm
deep

Tubular Score: 3

Nuclear Grade: 2

Mitotic Score: 1

Modified Scarff Bloom Richardson Grade: 2

Necrosis: Absent

Vascular/Lymphatic Invasion: None identified

Lobular neoplasia: None

Lymph nodes: Sentinel lymph node and axillary dissection

Lymph node status: Positive 4 / 27 Extranodal extension

DCIS not present

ER/PR/HER2 Results

ER: Positive

PR: Negative

HER2: Negative by FISH

Performed on Case: HER2 by FISH performed in outside facility

Pathological staging (pTN): pT 3 N 2a

SYNOPTIC REPORT - BREAST, ER/PR RESULTS

Specimen: Surgical Excision

Block Number: D1

ER: Positive Allred Score: 8 = Proportion Score 5 + Intensity Score 3

PR: Negative Allred Score: 0 = Proportion Score 0 + Intensity Score 0

COMMENT:

The Allred score for estrogen and progesterone receptors is calculated by adding the sum of the proportion score (0 = no staining, 1 = <1% of cells staining, 2 = 1 - 10% of cells staining, 3 = 11-30% of cells staining, 4 = 31-60% of cells staining, 5 = >60% of cells staining) to the intensity score (1 = weak intensity of staining, 2 = intermediate intensity of staining, 3 = strong intensity of staining), with a scoring range from 0 to 8.

ER/PR positive is defined as an Allred score of >2 and ER/PR negative is defined as an Allred score of less than or equal to 2.

METHODOLOGY:

Tissue was fixed in 10% neutral buffered formalin for no less than 8 and no longer than 24 hours. Immunohistochemistry was performed using the mouse anti-human ER (ER 1D5, 1:100) and PR (PGR 136, 1:100) provided by following the manufacturer's instructions. This assay was not modified. Interpretation of the ER/PR immunohistochemical stain is guided by published results in the medical literature, information provided by the reagent manufacturer and by internal review of staining performance.

CLINICAL HISTORY:

None given

PRE-OPERATIVE DIAGNOSIS:

Right breast cancer, left abnormal imaging

Gross Dictation:., Pathologist,
Microscopic/Diagnostic Dictation:., Pathologist,
Final Review: Pathologist,
Final Review: Pathologist,
Final Review: Pathologist,
Final: Pathologist,

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