

1CD-0-3

Carcinoma, Lobular, NOS

8520/3

12/8/10

Path site code: breast,

Lower outer quadrant C50.5

CQCF Site: breast, NOS C50.9

TSS: --

SPECIMENS:

- A. SENTINEL NODES RIGHT AXILLA
- B. RIGHT BREAST NEEDLE LOCALIZATION

UUID: S1601F8B-BA50-42C4-B0C9-B3581F80CD2C
TCGA-E2-A15M-01A-PR

Redacted



SPECIMEN(S):

- A. SENTINEL NODES RIGHT AXILLA
- B. RIGHT BREAST NEEDLE LOCALIZATION

GROSS DESCRIPTION:

A. SENTINEL NODES RIGHT AXILLA

Received fresh are four tan pink lymph nodes ranging from 0.4cm to 2cm. Four touch preps are taken.

- A1: 1 lymph node
- A2: 1 lymph node
- A3: 1 lymph node
- A4: 1 lymph node

B. RIGHT BREAST NEEDLE LOCALIZATION

Received fresh labeled with the patient's identification and "WLE right breast needle localization" is a previously inked oriented 204g, 12.5 x 10 x 7.5cm needle localized lumpectomy with radiograph. Ink code: anterior-yellow, posterior-black, superior-blue, inferior-orange, medial-green, lateral-red. Specimen is serially sectioned from lateral to medial into 11 slices revealing 4 masses:

Mass #1- 0.4cm, 1.3cm from the anterior margin in slice 5

Mass #2- 0.3cm, 1.5cm from mass #1 and 2.5cm from anterior margin in slice 5

Mass #3- 3.5 x 2.6 x 2cm, 0.5cm from the anterior and posterior margins in slice 6-9.

Mass #4- 1cm, 2cm from mass #3 and 2cm from the deep margin in slice 6

A portion of the specimen is submitted for tissue procurement. Representatively submitted:

- B1: lateral margin slice 1
- B2: slice 2
- B3: biopsy site slice 2
- B4: slice 2
- B5-B9: slice 4
- B10: mass #1 with anterior margin slice 5
- B11: superior margin slice 5
- B12: area in between mass #1 and mass #2 slice 5
- B13: slice 5
- B14: slice 5
- B15: inferior margin slice 5
- B16: deep margin slice 5
- B17-B19: mass #3 slice 6
- B20: mass #4 slice 6
- B21: deep margin slice 6
- B22-B25: mass #3 slice 7
- B26-B27: mass #3 slice 8
- B28-B30: mass #3 with clip ID in B28 slice 9
- B31-B32: slice 10
- B33-B34: medial margin slice 11

DIAGNOSIS:

A. SENTINEL LYMPH NODES, RIGHT AXILLA, BIOPSY:

- ONE OF FOUR LYMPH NODES WITH ISOLATED TUMOR CELLS (0/4).

NOTE: Cytokeratin AE1/3 stains were performed on A1 and A4 and is negative in A1 and positive in A4, highlighting scattered tumor cells. On the cytokeratin AE1/3 stain, ~ 100 cytokeratin positive cells are seen, a feature that would be consistent with isolated tumor cells versus a micrometastasis. The touch prep of A4 was reviewed and tumor cells were not seen.

B. BREAST, RIGHT, NEEDLE LOCALIZATION WIDE LOCAL EXCISION:

- INVASIVE LOBULAR CARCINOMA, SBR GRADE 2.
 - TUMOR MEASURES AT LEAST 3.5 CM.
 - TUMOR IS PRESENT AT THE ANTERIOR MARGIN.
- LOBULAR CARCINOMA IN SITU (LCIS) AND COLUMNAR CELL CHANGE.
- ONE INTRAMAMMARY LYMPH NODE, NO TUMOR SEEN (0/1).
- SKELETAL MUSCLE, NO TUMOR SEEN.

NOTE: Grossly, several lesions were noted that microscopically correspond to invasive carcinoma. The size of the tumor is difficult to determine. While the single largest focus of tumor grossly is 3.5 cm, microscopically, invasive carcinoma is present in 6 of 11 slices of a 12.5 cm specimen and therefore may span ~ 6 cm. Clinical-radiologic correlation is recommended. A 0.5cm intramammary lymph node was also identified.

SYNOPTIC REPORT - BREAST

Specimen Type: Excision

Needle Localization: Yes

Laterality: Right

Invasive Tumor: Present

Multifocality: Yes

WHO CLASSIFICATION

Invasive lobular carcinoma 8520/3

Tumor size: 3.5cm

Tumor Site: 8:00

Margins: Involved at anterior

Extent: 0.1 cm

Tubular Score: 3

Nuclear Grade: 2

Mitotic Score: 2

Modified Scarff Bloom Richardson Grade: 2

Necrosis: Absent

Vascular/Lymphatic Invasion: None identified

Lobular neoplasia: LCIS

Lymph nodes: Sentinel lymph node

Non-sentinel lymph node

Lymph node status: Negative 0 / 5 Isolated tumor cell clusters

DCIS not present

ER/PR/HER2 Results

ER: Positive

PR: Positive

HER2: Negative by IHC

Performed on Case:

Pathological staging (pTN): pT 2 N 0

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

CLINICAL HISTORY:

Medial ? additional flap of tissue

PRE-OPERATIVE DIAGNOSIS:

Right breast carcinoma

INTRAOPERATIVE CONSULTATION:

Dr. Right axilla: No tumor cells seen on four touch preps. Diagnosis called to Dr.

ADDENDUM:

ONCOTYPE DX BREAST CANCER ASSAY

RESULTS: Recurrence Score: 29

CLINICAL EXPERIENCE: Patients with a recurrence score of: 29 in the clinical validation study had an average rate of Distant Recurrence at 10 years of 19%

ER Score: 11 Positive

PR Score: 7.1 Positive

Her2 Score: 8 Negative

Interpretation:

ER Negative < 6.5 Positive >= 6.5

PR Negative < 5.5 Positive >= 5.5

Her2 Negative <10.7 Positive >=11.5 Equivocal = 10.7 - 11.4

See separate report for further information.

Test performed at:

Gross Dictation:
Final Review: Pathologist
Final: Pathologist
Addendum: Pathologist,
Addendum Final: Pathologist.

Criteria	Yes	No
Diagnosis Discrepancy		<input checked="" type="checkbox"/>
Primary Tumor Site Discrepancy		<input checked="" type="checkbox"/>
IIF/A Discrepancy		<input checked="" type="checkbox"/>
Prior Malignancy History		<input checked="" type="checkbox"/>
Dual/Synchronous Primary Noted		<input checked="" type="checkbox"/>
Case is (circle): <u>UNQUALIFIED</u> / <u>DISQUALIFIED</u>		
Reviewer Initials: <u>WKS</u> Date Reviewed: <u>11/2/10</u>		