

Surgical Pathology Report

* Revised *

Name: [REDACTED]
DOB: [REDACTED]
Gender: F
MRN: [REDACTED]
Location: [REDACTED]
Physician: [REDACTED]

Case #: [REDACTED]
Collected: [REDACTED]
Received: [REDACTED]
Reported: [REDACTED]
Copy To: [REDACTED]

Pathologic Interpretation:

AMENDMENT TO PATHOLOGIC INTERPRETATION (SPECIMEN "E")

- A. Left breast sentinel node #1, FS:
- One lymph node, no tumor seen (0/1).
- B. Sentinel node #2, FS:
- One lymph node, no tumor seen (0/1).
- C. Left sentinel node #3, FS:
- One lymph node, no tumor seen (0/1).
- D. Left breast with one stitch superior and two lateral:
- Multifocal infiltrating lobular carcinoma, (two largest nodules are 2.5 cm and 2 cm in greatest dimension), margins free.
- Extensive lobular carcinoma in situ, margins free. See comment.
- Fibrocystic changes.
- E. Sentinel node #4, FS:
- Metastatic carcinoma to one out of two lymph nodes (1/2). See Comment.

Comment

The keratin stain on the lymph node shows metastatic carcinoma.
The keratin stains on the remaining sentinel lymph nodes (A,B,C, F, G, and I) are negative.
Keratin stains were also performed on all of the axillary content lymph nodes and they are negative.

Previously reported as:

- E. Sentinel node #4, FS:
- Two lymph nodes, no tumor seen (0/2).
- F. Sentinel node #5, FS:
- One lymph node, no tumor seen (0/1).
- G. Sentinel node #6, FS:
- One lymph node, no tumor seen (0/1).
- H. Left sentinel node #7, FS:
- Metastatic carcinoma to one out of one lymph node (1/1).
- I. Non sentinel node:
- Three lymph nodes, no tumor seen (0/3).
- J. Left axillary content:
- Sixteen lymph nodes, no tumor seen (0/16).

UUID: 6197798C-6F84-470E-BA91-922548E2DFAF
TCGA-EW-A1PG-01A-PR

Redacted



Comment (D):

The patient has a previous history of infiltrating lobular carcinoma (). The tumor cells on that specimen were positive for estrogen and progesterone receptors, but were negative for Her2 FISH. Two nodules of infiltrating carcinoma are present. In addition, there are multiple focal microscopic nodules of infiltrating carcinoma. Keratin stains are pending on the negative sentinel lymph nodes. In specimen H, the metastasis to the lymph node is 0.4 cm in greatest dimension.

Tumor Summary:

Specimen Type: Mastectomy

Lymph Node Sampling: Sentinel lymph node with axillary dissection

Laterality: Left

Tumor Site: Lower outer quadrant

Size of Invasive Component:

Greatest dimension: 2.5 cm (largest nodule)

Additional dimensions: 1.5 x 1.5 cm

Histologic Type:

Invasive lobular

Lobular carcinoma in situ

Histologic Grade:

Tubule Formation: Minimal less than 10% (score = 3)

Nuclear Pleomorphism: Small regular nuclei (score = 1)

Mitotic Count: Less than 10 mitoses per 10 HPF (score = 1)

Total Nottingham Score: Grade I: 3-5 points

Regional Lymph Nodes:

Number examined: 25

Number involved: 1 (malignant focus is 0.4 cm in greatest dimension)

Margins: Margins uninvolved by invasive carcinoma

Distance from closest margin: 1.5 cm.

Specify which margin: Deep

Venous/Lymphatic (Large/Small Vessel) Invasion (V/L): Absent

Pathologic Staging: pT2 (see below), pN1a, pMX

The stage is based on adding the size of the two largest nodules which are 2.5 and 2 cm in greatest dimension.

NOTE: Some immunohistochemical antibodies are analyte specific reagents (ASRs) validated by our laboratory. These ASRs are clinically useful indicators that do not require FDA approval. These clones are used: ID5-ER, PgR 636-PR, A485-HER2. Immunohistochemical stains are used with formalin or molecular fixed, paraffin embedded tissue. Detection is by Envision Method. The results are read by a pathologist as positive or neg.

As the attending pathologist, I attest that I: (i) Examined the relevant preparation(s) for the specimen(s); and (ii) Rendered the diagnosis(es).

MD

Electronically Signed Out By

Amendments

Amended:

Reason: Review of case with diagnosis change

Previous Signout Date:

Intraoperative Consultation

- A. Left breast sentinel node #1: No tumor seen.
- B. Sentinel node #2: No tumor seen.
- C. Left sentinel node #3: No tumor seen.
- D. Left breast with one stitch superior and two lateral:
- E. Sentinel node #4: No tumor seen.
- F. Sentinel node #5: No tumor seen.

- G. Sentinel node #6: No tumor seen on touch prep.
- H. Left sentinel node #7: Cellular evidence of metastatic carcinoma on touch prep.

MD

Clinical History:

None Provided

Operation Performed

Left breast lymph node dissection/mastectomy

Pre Operative Diagnosis:

Left breast mass

Specimen(s) Received:

- A: Left breast sentinel node #1, FS
B: Sentinel node #2, FS
C: Left sentinel node #3, FS
D: Left breast with one stitch superior and two lateral
E: Sentinel node #4, FS
F: Sentinel node #5, FS
G: Sentinel node #6, FS
H: Left sentinel node #7, FS
I: Non sentinel node
J: Left axillary content

Gross Description:

- A. Received fresh is a tan soft lymph node, measuring 1.2 x 1.0 x 0.5 cm. Bisected and submitted in toto in one cassette for frozen section.
- B. Received fresh is sentinel lymph node is a tan soft lymph node, measuring 1.0 x 1.0 x 0.5 cm. Bisected and submitted in toto in one block for frozen section.
- C. Received fresh is a tan soft lymph node, measuring 0.8 x 0.6 x 0.6 cm. Submitted in toto in one block for frozen section.
- D. Received in formalin is a mastectomy specimen, weighing 382 grams, measuring 15.0 x 13.0 x 4.0 cm. The specimen is oriented with one stitch superior, two stitches lateral. At the anterior aspect of the specimen, there is one tan ellipse of skin, measuring 4.0 x 3.0 cm. Centrally located is a pink, unremarkable areola with unremarkable nipple, 1.0 cm in diameter. The areola measures 2.5 x 2.0 cm. The resection margin is inked black. Cut section shows one ill-defined tan, firm lesion located at 4 to 5 o'clock, measuring 2.5 x 1.5 x 1.5 cm. The lesion is located at the lower outer quadrant, 1.5 cm away from the deep margin, 9.0 cm away from the superior margin, 2.0 cm away from the inferior margin, 2.5 cm away from the lateral margin, 10.0 cm away from the medial margin. Also present is ill-defined fibrotic lesion, measuring 2.0 x 1.5 x 1.5 cm located at 7 to 8 o'clock. The lower inner quadrant, the second lesion is 2.0 cm away from the deep margin, 9.0 cm away from the superior margin, 1.5 cm away from the inferior margin, 7.0 cm away from the lateral margin, 3.0 cm away from the medial margin. The remaining parenchyma is yellow, lobulated, adipose tissue, mixed with tan, firm, fibrotic tissue. The ratio is approximately 80-20%. Sections submitted as follows:
- 1 Section from the nipple
 - 2 Superior margin
 - 3 Inferior margin
 - 4 Lateral margin
 - 5 Medial margin
 - 6 Deep margin
 - 7-12 Lesion at 5 and 6 o'clock, submitted in toto
 - 13-18 Lesion from 7 and 8 o'clock, submitted in toto
 - 19 Representative section from 3 o'clock fibrotic area
 - 20 Section from the outer lower quadrant
 - 21 Section from the inner upper quadrant
 - 22 Section from the inner lower quadrant

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- E. Received fresh is a yellow, lobulated adipose tissue, measuring 3.0 x 2.0 x 2.0 cm. Four possible lymph nodes identified, measuring from 0.4 up to 1.5 cm in the greatest dimension. Sections submitted as follows:
 1&2 One lymph node per each cassette
 3 Two lymph nodes, one is inked, also for frozen section
- F. Received fresh is yellow, lobulated adipose tissue, measuring 2.0 x 2.0 x 0.5 cm. One tan soft lymph node is identified, measuring 0.4 x 0.4 x 0.4 cm. Submitted in toto in one cassette for frozen section.
- G. Received fresh is a tan soft lymph node, measuring 0.7 x 0.6 x 0.6 cm. Bisected and submitted in toto in one cassette.
- H. Received fresh is a tan soft lymph node, measuring 0.5 x 0.4 x 0.4 cm. Bisected and submitted in toto in one cassette.
- I. Received in molecular fixative is yellow, lobulated adipose tissue, measuring 2.0 x 2.0 x 1.5 cm. Three possible lymph nodes identified, measuring from 0.2 up to 0.4 cm in the greatest dimension. Sections submitted as follows:
 1 Two lymph nodes
 2 One lymph node
- J. Received in molecular fixative is yellow, lobulated adipose tissue, measuring 14.0 x 6.0 x 2.5 cm. Twenty-one lymph nodes are identified, measuring from 0.4 up to 3.0 cm in greatest dimension. Sections submitted as follows:
 1-4 Largest lymph node, submitted in toto
 5-15 One lymph node per each cassette
 16&17 Five lymph nodes per each cassette

Criteria	Yes	No
Diagnosis Discrepancy		<input checked="" type="checkbox"/>
Primary Tumor Site Discrepancy		<input checked="" type="checkbox"/>
tiPAA Discrepancy		<input checked="" type="checkbox"/>
Prior Malignancy History		<input checked="" type="checkbox"/>
Distal/Synchronous Primary Noted		<input checked="" type="checkbox"/>
Case is (circle):	<input checked="" type="checkbox"/> QUALIFIED / <input type="checkbox"/> DISQUALIFIED	
Reviewer Initials	Date Reviewed: 3/12/14	