

FINAL PATHOLOGIC DIAGNOSIS

A. Lymph node, right sentinel #1, excision:

- One lymph node involved by metastatic carcinoma (1/1)

B. Lymph node, right sentinel #2, excision:

- One lymph node, negative for carcinoma (0/1)

C. Lymph node, right sentinel #3, excision:

- One lymph node, negative for carcinoma (0/1)

D. Lymph node, right sentinel #4, excision:

- One lymph node, negative for carcinoma (0/1)

E. Breast, right, wire-localization lumpectomy:

- Invasive ductal carcinoma, grade III/III, 2.0 cm in greatest dimension, surgical margins negative (see pathologic parameters and comment below)
- Previous biopsy site

ICD-0-3
Carcinoma, infiltrating
Ductal NOS 8500/3
Site: @ Breast NOS
C50.9
J20 2/18/13

UUID: 86806754-B000-4F8B-9037-95E7A08D4D20
TCGA-OL-A5RW-01A-PR

Redacted



Breast Pathologic Parameters

1. Invasive carcinoma:

A. Gross measurement: 2.0 cm

B. Composite histologic (modified SBR) grade: III/III

C. Associated intraductal carcinoma in situ (DCIS/LCIS): None

2. Excisional biopsy margins: Free of tumor

- Invasive carcinoma 6.0 mm from closest margin (posterior)

4. Blood vessel and lymphatic invasion: Present in breast parenchyma

5. Axillary lymph nodes: One of four sentinel lymph nodes involved by carcinoma

(1/4)

- Size of largest metastatic deposit: 5.0 mm
- Extranodal extension: present (2.0 mm; largest focus)

6. Special studies (see

- ER: No expression
- PR: No expression
- Her2/neu antigen (FISH): Non-amplified (ratio: 1.91)

7. pTNM (AJCC, 7th edition, 2010): pT1c, N1(sn), MX

Clinical History:

The patient is a year-old female with breast cancer undergoing lumpectomy.

Comment

Immunohistochemical stains show the tumor cells to be positive for CK7 and negative for CK20 and TTF-1, consistent with the above diagnosis. D240 stain is noncontributory.

Specimens Received:

A: Sentinel node #1

B: Sentinel node #2

C: Sentinel node #3

D: Sentinel node #4

E: Right breast partial; lumpectomy

Gross Description:

The specimens are received in five containers each labeled with the patient's name and medical record number.

A. The first container is additionally identified as, 'sentinel node #1'.

Received fresh and placed in formalin the specimen consists of a 4 x 3 x 1.2 lymph node. Specimen is serially sectioned and entirely submitted in cassettes A1-A8.

B. The second container is additionally identified as, 'sentinel node #2'.

Received fresh and placed in formalin the specimen consists of a 1 x 1 x 0.5 cm lymph node. Specimen is entirely submitted in cassette B1.

C. The third container is additionally identified as, 'sentinel node #3'.

Received fresh and placed in formalin the specimen consists of a 1 x 1 x 1 cm lymph node. Specimen is bisected and entirely submitted in cassette C1.

D. The fourth container is additionally identified as, 'sentinel node #4'.

Received fresh and placed in formalin the specimen consists of a 2 x 1 x 1 cm lymph node. Specimen is serially sectioned and entirely submitted in cassette D1.

E. The fifth container is additionally identified as, 'right breast partial mastectomy'. Received fresh on a radiographic grid is a 96.5 gm lumpectomy specimen measuring 8.0 cm from medial to lateral, 8.5 cm from superior to inferior and 3.0 cm from anterior to posterior. The specimen is oriented with a short suture designating the superior pole and a long suture designating the lateral pole. There is a wire entering at the superomedial aspect of the specimen at grid C2. Accompanying the specimen is an x-ray demonstrating a metallic clip located in grid position D3. The wire terminates in grid position D4. There is a circled mass in grid positions C3-D3, D4. The margins are inked as follows: anterior- black posterior - red superior - blue inferior - green medial - yellow lateral - violet The specimen is serially sectioned from lateral to medial into 8 slices. There is a 2.0 x 2.0 x 1.5 cm lesion located in slices 5 to 7. It is located 1.6 cm from the black margin, 0.6 cm from the red margin, 1.4 cm from the blue margin and 4.5 cm from the green margin. A metallic clip is identified in slice #5. The wire enters the specimen in slice #6 and terminates in slice #7. Tissue is banked from slices 4 and 6. Lumpectomy is entirely submitted.

E1-E5: slice 1, medial margin

E4-E10: slice 2

E11-E17: slice 3

E18-E28 : slice 4

E29-E41 : slice 5 (clip in E29-E31)

E42-E52: slice 6 (mass in E42-E43)

E53-E65: slice 7

E66-E83: slice 8

Tissue fixed for at least 6 hours in 10% NBF and no more than 72 hours.

Criteria	Yes	No
Diagnosis Discrepancy		✓
Primary Tumor Site Discrepancy		✓
HIPAA Discrepancy		✓
Prior Malignancy History		✓
Dual/Synchronous Primary		✓
Case is (c) (1)	QUALIFIED	DISQUALIFIED
Reviewer Initials	2/10/13	2/19/13