

PATIENT HISTORY:

Not provided. LMP: Not provided.

PRE-OP DIAGNOSIS: Right breast cancer.

POST-OP DIAGNOSIS: Same.

PROCEDURE: Right breast segmental mastectomy, right axillary sentinel node biopsy.

MICROSCOPIC:

Microscopic examination substantiates the above diagnosis.

Antibody/Antigen	Result
AE1/AE3 (1B)	negative

Utilizing formalin-fixed (8-96 hour range), paraffin embedded tissue, immunohistology is performed with the following selected antibodies and designated antibody clone(s), directed against the following antigenic target(s), with adequate positive and negative internal and external controls. Antibodies are optimized appropriate for fixation times.

ANTIBODY	CLONE	TARGET ANTIGEN	VENDOR
AE1/AE3	AE1/AE3	carcinomas	

The following statement applies to all immunohistochemistry, insitu hybridization (ISH & FISH), molecular anatomic pathology, and immunofluorescence testing:

The testing was developed and its performance characteristics determined by the required by the CLIA '88 regulations. The testing has not been cleared or approved for the specific use by the U.S. Food and Drug Administration, but the FDA has determined such approval is not necessary for clinical use.

This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 ("CLIA") as qualified to perform high-complexity clinical testing. Pursuant to the requirements of CLIA, ASR's used in this laboratory have been established and verified for accuracy and precision. Additional information about this type of test is available upon request.

CASE SYNOPSIS:**SYNOPTIC - PRIMARY INVASIVE CARCINOMA OF BREAST**

LATERALITY:	Right
PROCEDURE:	Segmental
LOCATION:	Not specified
SIZE OF TUMOR:	Maximum dimension invasive component: 1.4 cm
MULTICENTRICITY/MULTIFOCALITY OF INVASIVE FOCI:	No

TUMOR TYPE (invasive component):

Metaplastic carcinoma
Nuclear grade: 3
Tubule formation: 3
Mitotic activity score: 3
Total Nottingham score: 9
Nottingham grade (1, 2, 3): 3

NOTTINGHAM SCORE:

ANGIOLYMPHATIC INVASION:
DERMAL LYMPHATIC INVASION:

CALCIFICATION:

TUMOR TYPE, IN SITU:

No
No
Yes, benign zones
Cribriform
Solid
DCIS admixed and outside of invasive carcinoma component
Percent of tumor occupied by in situ component: 5 %

SURGICAL MARGINS INVOLVED BY INVASIVE COMPONENT:

No
Distance of invasive tumor to closest margin: 2.0 mm

SURG MARGINS INVOLVED BY IN SITU COMPONENT:

No
Distance of in situ disease to closest margin: 4.0 mm

LYMPH NODES POSITIVE:

LYMPH NODES EXAMINED:

METHOD(S) OF LYMPH NODE EXAMINATION:

SENTINEL NODE METASTASIS:
SKIN INVOLVED (ULCERATION):

T STAGE, PATHOLOGIC:

N STAGE, PATHOLOGIC:

M STAGE, PATHOLOGIC:

ESTROGEN RECEPTORS:

PROGESTERONE RECEPTORS:

HER2/NEU:

H/E stain, Keratin stain
No
No
pT1c
pN0(i-)
pMX
negative
negative
zero or 1+

1CD-0-3
Carcinoma, metaplastic, NOS 8575/3
Site - breast, NOS C5D.9
10/15/11

UUID: 87E28DAE-5012-4A16-BE27-A9F0F3F30F5B
TCGA-BH-A0WA-01A-PR

Redacted



Criteria	Yes	No
Diagnosis Discrepancy		<input checked="" type="checkbox"/>
Primary Tumor Site Discrepancy		<input checked="" type="checkbox"/>
HPAA Discrepancy		<input checked="" type="checkbox"/>
Prior Malignancy History		<input checked="" type="checkbox"/>
Final/Synchronous Primary Notes		<input checked="" type="checkbox"/>
Case is (circle):	QUALIFIED	DISQUALIFIED
Reviewer initials	ZHE	10/15/11

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FINAL DIAGNOSIS:**PART 1: LYMPH NODES, RIGHT AXILLARY, SENTINEL #1, BIOPSY -
THREE (3) LYMPH NODES NEGATIVE FOR METASTATIC CARCINOMA (0/3).****PART 2: BREAST, RIGHT, SEGMENTAL MASTECTOMY -**

- A. INFILTRATING DUCTAL CARCINOMA, METAPLASTIC TYPE.
- B. NEOPLASM MEASURES 1.4 CM ON SLIDE.
- C. NOTTINGHAM SCORE: 9/9, GRADE 3.
- D. MARGINS OF RESECTION FREE OF NEOPLASM, CLOSEST POSTERIOR AT 0.2 CM.
- E. NO LYMPHOVASCULAR INVASION IDENTIFIED.
- F. ER NEGATIVE, PR NEGATIVE, HER-2/neu NEGATIVE (SCORE: 1+) PER PREVIOUS REPORT.
- G. PATHOLOGIC STAGE: pT1c pN0 pMX.
- H. DUCTAL CARCINOMA IN SITU, SOLID AND CRIBRIFORM TYPES, NUCLEAR GRADE 3 WITH COMEDO NECROSIS.
- I. DUCTAL CARCINOMA IN SITU IS ADMIXED AND ADJACENT TO INVASIVE COMPONENT.
- J. MARGINS OF RESECTION FREE OF DUCTAL CARCINOMA IN SITU, CLOSEST POSTERIOR AT 0.4 CM.
- K. UNREMARKABLE SKIN
- L. MÖNKEBERG'S CALCIFIC MEDIAL SCLEROSIS OF ARTERY.

COMMENT:

One of the lymph nodes is confirmed negative by Immunohistochemical staining (1B). The positive basal-like Immunohistochemical markers performed on the previous biopsy combined with the presence of matrix production and squamous differentiation in the current specimen support metaplastic subtype of Infiltrating ductal carcinoma.

Criteria	Yes	No
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Primary Tumor Site Discrepancy		<input checked="" type="checkbox"/>
HIPAA Discrepancy		<input checked="" type="checkbox"/>
Prior Malignancy History		<input checked="" type="checkbox"/>
Dual/Synchronous Primary Notes		<input checked="" type="checkbox"/>
Case Is (circle):	QUALIFIED	DISQUALIFIED
Reviewer Initials	Date Reviewed: 9/25/10	