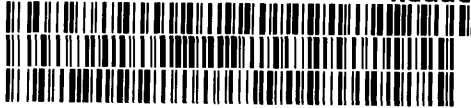


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TCGA-EW-A6S9-01A-PR

Redacted



## Surgical Pathology Report

<b>Name:</b>	xx	<b>Case #:</b>	x
<b>DOB:</b>		<b>Collected:</b>	
<b>Gender:</b>	F	<b>Received:</b>	x
<b>MRN:</b>	xx	<b>Reported:</b>	x
<b>Location:</b>	x		
<b>Physician:</b>	x		

### Pathologic Interpretation:

#### A. SENTINEL NODE #1

METASTATIC CARCINOMA to one lymph node (1/1).

Largest tumoral deposit is 1mm.

NOTE: Metastatic deposit is not identified in frozen section slide.

#### B. SENTINEL NODE #2

Negative for carcinoma, one lymph node (0/1).

#### C. SENTINEL NODE #3

Negative for carcinoma, one lymph node (0/1).

#### D. RIGHT BREAST MASS:

INVASIVE DUCTAL CARCINOMA, poorly differentiated, Nottingham grade 2 (3+2+2=7), 2.0 cm.

Surgical resection margins are negative for invasive carcinoma; the closest one is the anterior at 6mm.

DUCTAL CARCINOMA IN SITU, intermediate grade, solid and cribriform type with necrosis and retrolobular involvement present in five out of 15 slides examined.

Surgical resection margins are negative for in situ carcinoma; the closest one is the anterior at 10 mm.

Lymphovascular invasion is identified.

**INVASIVE CARCINOMA OF THE BREAST: Complete Excision (Less Than Total Mastectomy, Including Specimens**

**Designated Biopsy, Lumpectomy, Quadrantectomy, and Partial Mastectomy With or Without Axillary Contents) and**

**Mastectomy (Total, With or Without Axillary Contents; Modified Radical; Radical)**

#### **Procedure**

Excision without wire-guided localization

#### **Lymph Node Sampling**

Sentinel lymph node(s)

#### **Specimen Laterality**

Right

ICD-O-3

Carcinoma, infiltrating  
duct NOS 8500/3

Site <sup>C50.9</sup> (R) Breast NOS C50.9

path  
(R) Breast, upper-outer  
quadrant C50.4  
9/24/3

**Tumor Site: Invasive Carcinoma**

Upper outer quadrant

**Histologic Type of Invasive Carcinoma**

Invasive ductal carcinoma (no special type or not otherwise specified)

**Tumor Size: Size of Largest Invasive Carcinoma**

Greatest dimension of largest focus of invasion >1 mm: 20 mm

Additional dimensions: 15.0 x 10.0 mm

**Histologic Grade: Nottingham Histologic Score**Glandular (Acinar)/Tubular Differentiation

Score 3: <10% of tumor area forming glandular/tubular structures

Nuclear Pleomorphism

Score 2: Cells larger than normal with open vesicular nuclei, visible nucleoli, and moderate variability in both size and shape

Mitotic Rate

Score 2 (4-7 mitoses per mm<sup>2</sup>)

Overall Grade

Grade 2: scores of 7

**Tumor Focality**

Single focus of invasive carcinoma

**Ductal Carcinoma In Situ (DCIS)**

DCIS is present

Size (Extent) of DCIS

Present in five out 15 slides examined

Architectural Patterns (select all that apply)

Cribriform

Nuclear Grade (see Table 2)

Grade II (intermediate)

Necrosis

Present, focal (small foci or single cell necrosis)

**Lobular Carcinoma In Situ (LCIS)**

Not identified

**Margins**Invasive Carcinoma

Margins uninvolved by invasive carcinoma

Distance from closest margin: 6 mm

Specify margin: Anterior

DCIS

Margins uninvolved by DCIS

Distance from closest margin: 10 mm

+ Specify margin: Anterior

**Lymph Nodes**

Number of sentinel lymph nodes examined: 3

Total number of lymph nodes examined (sentinel and nonsentinel): 3

Number of lymph nodes with macrometastases (>2 mm): 0

Number of lymph nodes with micrometastases (>0.2 mm to 2 mm and/or >200 cells): 1

Number of lymph nodes without tumor cells identified: 2

**Extranodal Extension**

Not identified

**Method of Evaluation of Sentinel Lymph Nodes**

Hematoxylin and eosin (H&E), 1 level

Immunohistochemistry pending

**Lymph-Vascular Invasion**

Not identified

**Pathologic Staging (based on information available to the pathologist) (pTNM)****Primary Tumor (Invasive Carcinoma) (pT)**

pT1c: Tumor >10 mm but ≤20 mm in greatest dimension

**Regional Lymph Nodes (pN)*****Modifier***

(sn): Only sentinel node(s) evaluated.

***Category (pN)***

pN1mi: Micrometastases (greater than 0.2 mm and/or more than 200 cells, but none greater than 2.0 mm).

**Distant Metastasis (pM)**

Not applicable

**Ancillary Studies**

Performed on another specimen

Specify specimen (accession number): xx

**Estrogen Receptor (ER)**

Results and interpretation:

Positive Immunoreactive tumor cells present

Quantitation: 50%

**Progesterone Receptor (PgR)**

Results and interpretation:

Positive Immunoreactive tumor cells present

Quantitation: 50%

**HER2** (results for invasive carcinoma performed on this specimen or a prior core needle biopsy or incisional biopsy)

***Immunoperoxidase Studies***

Results:

Positive (Score 3+)

**Preliminary AJCC Classification (7<sup>th</sup> Edition): pT1c pN1mi pMn/a**

**(Final classification pending evaluation of keratin immunostain on sentinel nodes)**

**Procedures/Addenda:**

**Addendum**

**Date Ordered:**

**Status:**

**Date Complete:**

**Date Reported:**

**Addendum Diagnosis**

- A. Specimen is received fresh and labeled "Sentinel node #1 ( ), FS". The specimen consists of one lymph node measuring 1.6 x 0.9 x 0.4cm. Specimen is bisected and submitted in toto for frozen section.
- B. Specimen is received fresh and labeled "Sentinel node #2 ( ), FS". The specimen consists of one lymph node measuring 1.3 x 0.9 x 0.3 cm. Specimen is bisected and submitted in toto for frozen section.
- C. Specimen is received fresh and labeled "Sentinel node #3 ( ), FS". The specimen consists of one lymph node measuring 1.1 x 0.6 x 0.3 cm. Specimen is bisected and submitted in toto for frozen section.

- D. Specimen is received in formalin and labeled "Right breast mass (1 stitch superior, 2 stitches lateral, 3 stitches deep)". The specimen consists of an 8.0 x 8.0 x 4.0 cm lumpectomy specimen, oriented with one stitch at superior, two stitches as lateral and three stitches as deep.

The specimen is inked for evaluation of margins:

Posterior black  
Anterior yellow  
Superior blue  
Inferior green  
Lateral orange  
Medial red

Serial sections are white-gray, ill-defined and firm. A mass is identified measuring 2.0 x 1.5 x 1.0 cm; the mass is 1.0 cm from the superior margin, 2.0 cm from the inferior margin, 1.0 cm from the anterior margin, 3.0 cm from the lateral margin, 1.5 cm from the medial margin and 1.0 cm from the deep margin. The remainder of the specimen consists of yellow-white adipose tissue. No other lesions are identified. 90% of the mass was submitted for microscopic examination.

Representative sections are submitted as follows:

Cassette #1	Superior margin perpendicular
Cassette #2	Inferior margin perpendicular
Cassette #3	Lateral margin perpendicular
Cassette #4	Medial margin perpendicular
Cassette #5	Anterior margin perpendicular
Cassette #6	Deep margin perpendicular
Cassettes #7-10	Mass and breast tissue adjacent
Cassettes #11-15	Other areas

Criteria	Yes	No
Diagnosis Discrepancy		///
Primary Tumor Site Discrepancy		///
IPAA Discrepancy		///
Prior Malignancy History		///
Dual/Synchronous Primary Noted		///
Case Is (Circle):	QUALIFIED	DISQUALIFIED
Reviewer Initials	Date Reviewed:	