

**PATIENT HISTORY:**

The patient is a year-old female with no clinical history given. Date of last menstrual period: Not given.

PRE OP DIAGNOSIS: Breast cancer.

POST OP DIAGNOSIS: Same.

PROCEDURE: Left total mastectomy and sentinel node biopsy, Hepatitis C.

1015-0-3  
Carcinoma infiltrating duct, NOS 8500/3  
Site code: breast, NOS C50.9

12/15/16  
lu

UID: E4DF4771-074D-4870-A0BF-AF62724C5A86  
TCGA-BH-A18L-01A-PR

Redacted



**FINAL DIAGNOSIS:**

PART 1: SENTINEL LYMPH NODE, LEFT, #1 -

LYMPH NODE POSITIVE FOR SEVERAL MICROMETASTASES, APPROXIMATELY 0.1 CM EACH, VISIBLE ON IMMUNOSTAIN SLIDES AND TWO LEVELS OF THE H&E STAIN SECTIONS.

PART 2: SENTINEL LYMPH NODE, LEFT, #2 -

NEGATIVE FOR METASTATIC TUMOR (see comment).

PART 3: NON-SENTINEL LYMPH NODE, LEFT -

NEGATIVE FOR METASTATIC TUMOR.

PART 4: BREAST, LEFT, TOTAL MASTECTOMY -

- A. INFILTRATING DUCTAL CARCINOMA, NOTTINGHAM SCORE 7/9 (TUBULES 3, NUCLEAR PLEOMORPHISM 2, MITOSIS 1) 6.0 X 5.0 X 6.0 CM.
- B. DUCTAL CARCINOMA IN SITU, SOLID AND CRIBRIFORM TYPES REPRESENTING, APPROXIMATELY 5% OF TOTAL TUMOR VOLUME.
- C. SKIN WITH TUMOR IN THE LOWER DERMIS.
- D. LINES OF RESECTION ARE FREE OF TUMOR. (See comment)

**COMMENT:**

The tumor is approximately 0.1 cm from the inferior surgical resection margin. The ductal nature of the tumor is confirmed by a strongly positive E-cadherin immunostain.

Criteria	Yes	No
Diagnosis Discrepancy		
Primary Tumor Site Discrepancy		
HIPAA Discrepancy		
Prior Malignancy History		
Dual/Synchronous Primary Noted		
Case is (circle):		
Reviewer Initials: 748	QUALIFIED	DISQUALIFIED
Date Reviewed: 12/11		

**MICROSCOPIC:****SYNOPTIC - PRIMARY INVASIVE CARCINOMA OF BREAST**

- A. Laterality: 2  
1. Right 2. Left
- B. Procedure: 3  
1. Segmentectomy 3. Modified radical mastectomy  
2. Simple mastectomy 4. Re-excision
- C. Location: 2  
1. Central subareolar 4. LOQ  
2. UOQ 5. LIQ  
3. UIQ 6. Not specified
- D. Size of tumor (maximum dimension invasive component by gross or microscopic exam): 6.0 cm
- E. Type (invasive component): 1  
1. Ductal, NOS 5. Cribriform 9. Metaplastic  
2. Tubular 6. Papillary 10. Other  
3. Mucinous 7. Lobular  
4. Medullary 8. Carcinoid like
- F. If lobular carcinoma, specify type: N/A  
1. Classical 4. Signet ring 7. Pleomorphic  
2. Solid 5. Trabecular  
3. Alveolar 6. Tubulobular
- G. Nottingham Score:  
G1. Nuclear grade: 3  
G2. Tubule formation: 3  
G3. Mitotic activity score: 1  
G4. Total Nottingham score: 7  
G5. Nottingham grade (1, 2, 3): 2
- H. Angiolymphatic invasion: 1  
1. No 2. Yes
- I. Dermal lymphatic invasion: 2  
1. Yes 2. No 3. Not applicable
- J. Calcification: 1  
1. No 2. Yes - benign zones 3. Yes - malignant zones
- K. Type of in situ component: 1/2  
1. Cribriform 4. Micropapillary 7. Lobular  
2. Solid 5. Apocrine  
3. Papillary 6. Comedo
- L. Percentage of tumor occupied by in situ component: 5%
- M. Surgical margins involved by invasive component: 1  
1. No 2. Yes - focal 3. Yes - diffuse
- N. Surgical margins involved by in situ component: 1  
1. No 2. Yes - focal 3. Yes - diffuse
- O. Paget's disease of nipple: 2  
1. Yes 2. No
- P. Number of positive lymph nodes: 1
- Q. Total number of lymph nodes examined: 3
- R. Sentinel node metastasis: 1  
1. Yes 2. No
- S. Only micrometastases to lymph nodes (none larger than 0.2 cm): 1  
1. Yes 2. No
- T. Metastasis/es to a lymph node 2 cm. or more in greatest dimension: 2  
1. Yes 2. No
- U. Lymph node metastasis/es with extracapsular extension: 2  
1. Yes 2. No
- V. Metastases to ipsilateral internal mammary lymph node (if applicable): N/A  
1. Yes 2. No
- W. Skin involved (ulceration): N/A  
1. Yes 2. No
- X. Non-neoplastic breast tissue: 6  
1. ADH 4. Fibroadenoma 7. LCIS  
2. ALH 5. Papilloma 8. Other  
3. Radical scar 6. FCD
- Y. Multicentricity/multifocality of invasive foci: 2  
1. Yes 2. No  
Y1: Sizes of invasive foci: # cm / # cm / # cm  
Y2: Aggregate diameter of Y1 tumors: # cm
- Z. TNM stage: T3 N1 M0

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