



Surgical Pathology Report

Name:	xx	Case #:	x
DOB:		Collected:	
Gender:	F	Received:	x
MRN:	xxx	Reported:	x
Location:	xx		
Physician:	xxx		

Pathologic Interpretation:

A. LEFT BREAST LUMPECTOMY:

INVASIVE DUCTAL CARCINOMA, poorly differentiated, Nottingham grade 3 (3+3+3=9), 2.1 cm in greatest dimension.

Resection margins are free of tumor; closest is inferior, 0.1 cm.

B. LEFT AXILLARY CONTENTS:

METASTATIC DUCTAL CARCINOMA to two out of twenty-six lymph nodes (2/26) with extranodal extension.

C. ADDITIONAL LEFT AXILLARY CONTENTS LEVEL 2-3:

No malignancy seen in five lymph nodes (0/5).

ICD-O-3
Carcinoma, infiltrating duct
8500/3
Site @ Breast, NOS
C50.9
JPD 7/24/13

Surgical Pathology Cancer Case Summary

Specimen: Partial breast

Procedure: Excision without wire-guided localization

Lymph Node Sampling: Axillary dissection (partial or complete dissection)

Specimen Integrity: Single intact specimen (margins can be evaluated)

Specimen Laterality: Left

Tumor Size: Size of Largest Invasive Carcinoma:

Greatest dimension of largest focus of invasion over 0.1 cm: 2.1 cm

Additional dimensions: 1.7 x 1.7 cm

Tumor Focality: Single focus of invasive carcinoma

Macroscopic and Microscopic Extent of Tumor:

Skin: Skin is not present

Skeletal Muscle: No skeletal muscle present

Ductal Carcinoma in Situ (DCIS): DCIS is present

Architectural Patterns:

Solid

Nuclear Grade:

Grade III (high)

Histologic Type of Invasive Carcinoma: Invasive ductal carcinoma (no special type or not otherwise specified)

Histologic Grade: Nottingham Histologic Score:

Glandular (Acinar)/Tubular Differentiation

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

Nuclear Pleomorphism

Score 3: Vesicular nuclei, often with prominent nucleoli, exhibiting marked variation in size and shape, occasionally with very large and bizarre forms

Mitotic Count

Score 3

Overall Grade

Grade 3

Margins:

Margins uninvolved by invasive carcinoma

Distance from closest margin: 1 mm (inferior)

Margins uninvolved by DCIS

Lymph Nodes:

Number of sentinel lymph nodes examined: 0

Total number of lymph nodes examined (sentinel and nonsentinel): 31

Number of lymph nodes with macrometastases (> 0.2 cm): 2

Largest metastatic deposit: 3.0cm

Extranodal Extension: Present

Method of Evaluation of Sentinel Lymph Nodes: Hematoxylin and eosin (H&E), one level

Pathologic Staging (pTNM):

Primary Tumor (pT):

pT2: Tumor > 20 mm but ≤ 50 mm in greatest dimension

Regional Lymph Nodes (pN):

pN1a: Metastases in 1 to 3 axillary lymph nodes, at least 1 metastasis greater than 2.0 mm

Distant Metastasis (pM):

Not applicable

Ancillary Studies:

Estrogen Receptor:

Performed on another specimen:

Results: Less than 1% immunoreactive cells present

Progesterone Receptor:

Performed on another specimen:

Results: Less than 1% immunoreactive cells present

HER2/neu Immunoperoxidase Studies:

Performed on another specimen:

Results: Positive (Score 3+)

Clinical History:

None Provided

Operation Performed

Left Breast Lumpectomy

Pre Operative Diagnosis:

Breast Cancer

Specimen(s) Received/Processing Information:

Fee

Codes:

A: LEFT BREAST LUMPECTOMY H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1	
B: LEFT AXILLARY CONTENTS H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1, H&E, Initial x 1	
C: ADDITIONAL LEFT AXILLARY CONTENTS LEVEL 2-3 H&E, Initial x 1, H&E, Initial x 1	

Gross Description:

- A. Received in formalin is a yellow tan fibrotic adipose tissue fragment weighing 86 grams and measures 8.0 x 7.0 x 4.0 cm. The specimen is oriented with a long stitch lateral, short superior and double stitch. Inked as follows: Superior in Blue – deep black, anterior yellow, inferior green, lateral orange and medial red. Cross sections of the specimen shows a firm pale tan well circumscribed mass measuring 2.1 x 1.7 x 1.7 cm. It is within 1 mm from inferior resection margin, all additional margins are uninvolved by tumor. The mass shows a metallic clip (previous biopsy site). No additional lesions are grossly present. Sections submitted as follows:
- Cassette #1-4 Representative section of the mass with relations to the inferior margin (almost in toto) (Cassette #1) -largest dimension of the mass, (Cassette #4) previous biopsy site
- Cassette# 5 Superior margin
- Cassette# 6 Deep margin
- Cassette# 7 Anterior margin
- Cassette#8 Lateral margin
- Cassette #9 Medial resection margin
- B. Received in formalin are multiple yellow tan fibrotic adipose tissue fragments measuring 15.0 x 13.0 x 4.0 cm in aggregate. Twenty-six lymph nodes were grossly identified measuring up to 3.0 x 2.0 cm in greatest dimension. The two largest lymph nodes show a metastatic tumor. Sections submitted as follows:
- Cassette #1 Representative section from one large lymph node
- Cassette #2 Representative section from the second largest lymph node
- Cassettes# 3&4 One lymph node in toto per cassette
- Cassettes#5-10 Four lymph nodes in toto per cassette
- C. Received in formalin is a yellow tan fibrotic adipose tissue fragment. It measures 10.0 x 6.0 x 2.0 cm in aggregate. The five lymph nodes are grossly identified measuring up to 0.4 x 0.3 cm in greatest dimension. Sections submitted as follows:
- Cassette #1 Two lymph nodes in toto
- Cassette# 2 Three lymph nodes in toto

Criteria	Yes	No
Diagnosis Discrepancy		/
Primary Tumor Site Discrepancy		/
IPAA Discrepancy		/
Prior Malignancy History		/
Qual/Synchronous Discrepancy		/
Case is (circle):	QUALIFIED	DISQUALIFIED
Reviewer Initials	W 7/1/13	MA
Date Reviewed	7/1/13	