

# FINAL DIAGNOSIS:

PART 1: LYMPH NODE, LEFT, SENTINEL #1, BIOPSY -  
METASTATIC CARCINOMA INVOLVES ONE LYMPH NODE (1/1) (SLIDES 1FS); 1.5 MM MICROMETASTASIS.

PART 2: BREAST, LEFT, MASTECTOMY, SIMPLE -

- A. INVASIVE DUCTAL CARCINOMA.
- B. 3.0 CM LARGEST INVASIVE TUMOR DIMENSION.
- C. NOTTINGHAM GRADE 3/3 (TUBULAR FORMATION 3/3, NUCLEAR PLEOMORPHISM 3/3, MITOTIC ACTIVITY 2/3; TOTAL SCORE 8/9).
- D. DUCTAL CARCINOMA IN-SITU (DCIS), NUCLEAR GRADE 3, SOLID, CRIBRIFORM, MICROPAPILLARY TYPES WITH MINIMAL COMEDO NECROSIS; DCIS IS PRESENT ADMIXED WITH AND AWAY FROM THE INVASIVE COMPONENT IN EIGHT OF THIRTEEN (8/13) SLIDES AND REPRESENTS 5% OF TOTAL TUMOR MASS.
- E. LYMPHOVASCULAR SPACE INVASION IS IDENTIFIED (SLIDE 2E).
- F. NEGATIVE INKED SURGICAL RESECTION MARGINS; CLOSEST NEGATIVE MARGIN 0.7 CM FROM INNER/LOWER QUADRANT DEEP MARGIN.
- G. NIPPLE AND SKIN ARE NEGATIVE FOR TUMOR.
- H. CALCIFICATIONS ARE ASSOCIATED WITH IN-SITU CARCINOMA, INVASIVE CARCINOMA, AND BENIGN BREAST PARENCHYMA.
- I. FOCAL ATYPICAL LOBULAR HYPERPLASIA (SLIDE 2J).
- J. NON-NEOPLASTIC BREAST SHOWS FIBROCYSTIC CHANGES, APOCRINE METAPLASIA, DUCT ECTASIA, AND DUCT EPITHELIAL HYPERPLASIA.
- K. BIOPSY SITE CHANGES.
- L. SEVENTEEN AXILLARY LYMPH NODES, NEGATIVE.

## CASE SYNOPSIS:

SYNOPTIC - PRIMARY INVASIVE CARCINOMA OF BREAST

LATERALITY: Left

PROCEDURE: Modified radical mastectomy

LOCATION: Upper outer quadrant

Upper inner quadrant

SIZE OF TUMOR: Maximum dimension invasive component: 3.0 cm

MULTICENTRICITY/MULTIFOCALITY OF INVASIVE FOCI:

No

TUMOR TYPE (invasive component):

Ductal adenocarcinoma, NOS

NOTTINGHAM SCORE:

Nuclear grade: 3

Tubule formation: 3

Mitotic activity score: 2

Total Nottingham score: 8

Nottingham grade (1, 2, 3): 3

ANGIOLYMPHATIC INVASION:

Yes

DERMAL LYMPHATIC INVASION:

No

CALCIFICATION:

Yes, benign zones

Yes, malignant zones

TUMOR TYPE, IN SITU:

Cribiform, Solid

SURGICAL MARGINS INVOLVED BY INVASIVE COMPONENT:

No

SURG MARGINS INVOLVED BY IN SITU COMPONENT:

Distance of invasive tumor to closest margin: 0.7 mm

No

PAGET'S DISEASE OF NIPPLE:

Distance of in situ disease to closest margin: 1.3 mm

LYMPH NODES POSITIVE:

No

LYMPH NODES EXAMINED:

1

METHOD(S) OF LYMPH NODE EXAMINATION:

18

H/E stain, H/E levels

SENTINEL NODE METASTASIS:

Yes

ONLY KERATIN POSITIVE CELLS ARE PRESENT:

No

SIZE OF NODAL METASTASES:

Diameter of largest lymph node metastasis: 1.5 mm

LYMPH NODE METASTASIS(-ES) WITH EXTRACAPSULAR EXTENSION:

No

METASTASES TO IPSILATERAL INTERNAL MAMMARY LYMPH NODE (IF APPLICABLE):

No

SKIN INVOLVED (ULCERATION):

No

NON-NEOPLASTIC BREAST TISSUE: FCD

T STAGE, PATHOLOGIC:

pT2

N STAGE, PATHOLOGIC:

pN1mi

M STAGE, PATHOLOGIC:

pMX

ESTROGEN RECEPTORS:

positive

PROGESTERONE RECEPTORS:

negative

ICD-0-3

carcinoma, infiltrating ductal, nos 85001

Site: breast, nos C50.9 3/13/11

UUID: 880F3DC6-4342-4232-A04E-A128F1A8201D  
TCGA-BH-A0C7-01A-PR

Redacted



Criteria	Yes	No
Diagnosis Discrepancy		4
Primary Tumor Site Discrepancy		3
IPAA Discrepancy		2
Prior Malignancy History		4
Just/Synchronous Primary Noted		
Case is (circle):	QUALIFIED	DISQUALIFIED
Reviewer Initials: 2/27	Date Reviewed: 2/27/11	