

FINAL DIAGNOSIS:

PART 1: RIGHT AXILLA, SENTINEL LYMPH NODE #1, EXCISION -
ONE LYMPH NODE, POSITIVE FOR METASTATIC DUCTAL CARCINOMA, 0.9 CM WITH FOCAL EXTRACAPSULAR EXTENSION.

PART 2: RIGHT BREAST, MODIFIED RADICAL MASTECTOMY -

- A. MULTICENTRIC INFILTRATING DUCTAL CARCINOMA, NOTTINGHAM SCORE 6/9 (TUBULES 3, NUCLEI 2, MITOSES 3) CENTRALLY LOCATED AND INVOLVING ALL OF FOUR QUADRANTS.
- B. TUMOR NODULES RANGES FROM 0.2 TO 4.8 CM.
- C. TUMOR AGGREGATES UP TO 14.3 CM.
- D. DUCTAL CARCINOMA IN SITU, SOLID TYPE WITH COMEDO NECROSIS REPRESENTING LESS THAN 5% OF THE TUMOR VOLUME.
- E. FOCAL LOBULAR CARCINOMA IN SITU.
- F. EXTENSIVE LYMPHOVASCULAR SPACE INVOLVEMENT SEEN.
- G. TUMOR IS 0.8 CM FROM LOWER INNER QUADRANT DEEP MARGIN.
- H. MARGINS FREE OF TUMOR.
- I. SKIN AND NIPPLE WITH DERMAL LYMPHOVASCULAR SPACE INVOLVEMENT.
- J. CHANGES CONSISTENT WITH BIOPSY SITE.
- K. MICROCALCIFICATIONS ASSOCIATED WITH BENIGN CHANGES AND TUMOR.
- L. FIBROCYSTIC CHANGES WITH ATYPICAL DUCTAL EPITHELIAL HYPERPLASIA, COLUMNAR CELL CHANGES.
- M. FOURTEEN RIGHT AXILLARY LYMPH NODES, NEGATIVE FOR TUMOR.

PART 3: LEFT BREAST, 344 GRAMS, BREAST REDUCTION -

- A. FIBROCYSTIC CHANGES WITH MICROCALCIFICATIONS.
- B. SKIN NOT REMARKABLE.

CASE SYNOPSIS:

SYNOPTIC - PRIMARY INVASIVE CARCINOMA OF BREAST

LATERALITY: Right
PROCEDURE: Modified radical mastectomy
LOCATION: Central subareolar
SIZE OF TUMOR: Maximum dimension invasive component: 4.8 cm
MULTICENTRICITY/MULTIFOCALITY OF INVASIVE FOCI: Yes
TUMOR AGGREGATE SIZE: Sum of the sizes of multiple invasive tumors: 14.3 cm
TUMOR TYPE (Invasive component):

NOTTINGHAM SCORE: Ductal adenocarcinoma, NOS
Nuclear grade: 2
Tubule formation: 3
Mitotic activity score: 1
Total Nottingham score: 6
Nottingham grade (1, 2, 3): 2
ANGIOLYMPHATIC INVASION: Yes
DERMAL LYMPHATIC INVASION: Yes
CALCIFICATION: Yes, benign zones
Yes, malignant zones
TUMOR TYPE, IN SITU: Solid
Comedo
DCIS admixed with invasive carcinoma
LCIS

SURGICAL MARGINS INVOLVED BY INVASIVE COMPONENT: Percent of tumor occupied by in situ component: 3 %

SURG MARGINS INVOLVED BY IN SITU COMPONENT: No
Distance of invasive tumor to closest margin: 8 mm

PAGE 1 3 DISEASE OF NIPPLE: No
LYMPH NODES POSITIVE: No
LYMPH NODES EXAMINED: 1
METHOD(S) OF LYMPH NODE EXAMINATION: 15
H/E stain

SENTINEL NODE METASTASIS: Yes
ONLY KERATIN POSITIVE CELLS ARE PRESENT: No

SIZE OF NODAL METASTASES: Diameter of largest lymph node metastasis: 9 mm
LYMPH NODE METASTASIS(-ES) WITH EXTRACAPSULAR EXTENSION: Yes

SKIN INVOLVED (ULCERATION): No
NON-NEOPLASTIC BREAST TISSUE: ADH
T STAGE, PATHOLOGIC: pT2
N STAGE, PATHOLOGIC: pN1
M STAGE, PATHOLOGIC: PMX
ESTROGEN RECEPTORS: positive
PROGESTERONE RECEPTORS: positive
HER2/NEU: zero or 1+

1CD-0-3

Carcinoma, infiltrating ductal, NOS 850q3

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

UUID:BAE86705-FCDC-4840-B1CB-D92688287F92
TCGA-BH-A0B1-01A-PR

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Criteria	Yes	No
Diagnostic Discrepancy		3
Primary Tumor Site Discrepancy		3
IPAA Discrepancy		3
Prior Malignancy History		3
Dual/Synchronous Primary Noted		3
Case Is (circle):	QUALIFIED	DISQUALIFIED
Reviewer Initials	WJ	Date Reviewed: 3/13/11