

FINAL DIAGNOSIS:**PART 1: SENTINEL LYMPH NODE #1, LEFT AXILLA, BIOPSY -**

- A. METASTATIC CARCINOMA INVOLVES ONE LYMPH NODE AND FORMS A SINGLE TUMOR DEPOSIT IN ADJACENT SOFT TISSUE (1.3 CM) (SLIDE 1A).
- B. THE METASTATIC FOCUS IN THE LYMPH NODE IS ALMOST ENTIRELY REPLACING THE LYMPH NODE PARENCHYMA (0.8 CM) WITH EXTRACAPSULAR EXTENSION (0.7 X 0.3 CM).

PART 2: BREAST, LEFT, MODIFIED RADICAL MASTECTOMY AND LEFT AXILLARY CONTENTS -

- A. **INVASIVE DUCTAL CARCINOMA**, TWO FOCI, 3.2 CM AND 1.5 CM (GROSS) AT 6 AND 10 O'CLOCK POSITION RESPECTIVELY, NOTTINGHAM GRADE 1/3 (COMBINED NOTTINGHAM SCORE 5/9; TUBULE FORMATION 2/3, NUCLEAR ATYPIA 2/3, MITOTIC ACTIVITY 1/3) WITH LOBULAR FEATURES (see comment).
- B. TUMOR INVADERS INTO SKELETAL MUSCLE FIBERS.
- C. DUCTAL CARCINOMA IN-SITU, NUCLEAR GRADE 2, CRIBRIFORM TYPE ASSOCIATED WITH INVASIVE TUMOR AND COMPRISING 1% OF TUMOR MASS.
- D. LYMPHOVASCULAR INVASION IS IDENTIFIED.
- E. MARGINS FREE, TUMOR WITHIN LESS THAN 1 MM FROM DEEP MARGINS IN BOTH THE 6 O'CLOCK AND 10 O'CLOCK POSITION.
- F. UNINVOLVED BREAST PARENCHYMA WITH FIBROCYSTIC CHANGES.
- G. SKIN AND NIPPLE, FREE OF TUMOR.
- H. METASTATIC CARCINOMA INVOLVES TWO OF NINE LYMPH NODES (2/9) AND FORMS FIVE TUMOR DEPOSITS IN AXILLARY SOFT TISSUE.
- I. LARGEST TUMOR SIZE IN THE LYMPH NODE IS 1.0 CM WITH EXTRACAPSULAR EXTENSION (0.9 CM).
- J. AXILLARY SOFT TISSUE TUMOR DEPOSIT RANGE FROM 0.2 TO 0.6 CM.
- K. PATHOLOGIC STAGE (see comment).
- L. ER/PR - POSITIVE, HER-2/NEU - NEGATIVE (PERFORMED ON BIOPSY).

PART 3: ADDITIONAL LEFT AXILLARY CONTENTS, BIOPSY -

- A. METASTATIC CARCINOMA INVOLVING FIBROADIPOSE TISSUE (TUMOR DEPOSIT).
- B. TUMOR MEASURES 0.6 X 0.5 CM (MICROSCOPIC).

CASE SYNOPSIS:**SYNOPTIC - PRIMARY INVASIVE CARCINOMA OF BREAST**

LATERALITY: Left

PROCEDURE: Modified radical mastectomy

LOCATION: Upper outer quadrant
Lower outer quadrant
Lower inner quadrant

SIZE OF TUMOR: Maximum dimension invasive component: 3.2 cm

MULTICENTRICITY/MULTIFOCALITY OF INVASIVE FOCI: Yes

TUMOR AGGREGATE SIZE: Sum of the sizes of multiple invasive tumors: 4.7 cm

TUMOR TYPE (invasive component): Ductal adenocarcinoma, NOS

NOTTINGHAM SCORE: Nuclear grade: 2
Tubule formation: 2
Mitotic activity score: 1
Total Nottingham score: 5
Nottingham grade (1, 2, 3): 1

ANGIOLYMPHATIC INVASION: Yes

DERMAL LYMPHATIC INVASION: No

CALCIFICATION: No

TUMOR TYPE, IN SITU: Cribriform
Percent of tumor occupied by in situ component: 1 %

SURGICAL MARGINS INVOLVED BY INVASIVE COMPONENT: No

SURG MARGINS INVOLVED BY IN SITU COMPONENT: No

PAGET'S DISEASE OF NIPPLE: No

LYMPH NODES POSITIVE: 9

LYMPH NODES EXAMINED: 9

METHOD(S) OF LYMPH NODE EXAMINATION: IHC stain

SENTINEL NODE METASTASIS: Yes

SIZE OF NODAL METASTASES: Diameter of largest lymph node metastasis: 10 mm

LYMPH NODE METASTASIS(-ES) WITH EXTRACAPSULAR EXTENSION: Yes

SKIN INVOLVED (ULCERATION): No

NON-NEOPLASTIC BREAST TISSUE: FCD

T STAGE, PATHOLOGIC: pT2

N STAGE, PATHOLOGIC: pN2

M STAGE, PATHOLOGIC: pMX

ESTROGEN RECEPTORS: positive

PROGESTERONE RECEPTORS: positive

HER2/NEU: zero or 1+

ICD-0-3

Carcinoma, infiltrating duct, nos 8500/3
Site: breast, nos 850.9 3/13/11 JH

criteria	Yes	No
Diagnosis Discrepancy		1
Primary Tumor Site Discrepancy		1
IIPAA Discrepancy		1
Prior Malignancy History		1
Real/Synchronous Primary Malignancy		1
Case is (circle):	QUALIFIED	DISQUALIFIED
Reviewer Initials	JH	
Date Reviewed:	3/13/11	

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