160-0-5 Carcinoma infiltrating duct, NOS 8500/3 PATIENT HISTORY: The patient is a year-old female. Date of last menstrual period: Not given. Breast, lypper, onter guadrent C50.4 PRE OP DIAGNOSIS: Ca left breast. UUID: 2616F70D-3E15-45BA-8907-65694595F726

CQCF: breat NOS C50.9 POST OP DIAGNOSIS: Same. PROCEDURE: Sentinel node biopsy, total mastectomy.

TCGA-BH-A18U-01A-PR Redacted 

#### ADDENDA:

## <u>Addendum</u>

ESTROGEN/PROGESTERONE AND HER-2/NEU REPORT

Using appropriate positive and negative controls, the test for the presence of these hormone receptor proteins is performed by the immunoperoxidase method, and reported according to the NIH consensus statement on adjuvant therapy for breast cancer, of A positive ER or PR tumor shows any nuclear immunostaining, and is semiquantitated as indicated below.

Result

Semiquantitative Statement

**ER** positive

Percent cells staining as: (0 20%; 1+ 30%, 2+ 30%, 3+ 20%)

PR positive

Percent cells staining as: (0 70%, 1+ 10%, 2+ 10%, 3+ 10%)

HER-2/NEU DAKO HERCEPTEST: A STRONG COMPLETE MEMBRANE STAINING IS OBSERVED IN MORE THAN 10% OF THE TUMOR CELLS. HER-2/NEU IS INTERPRETED AS STRONGLY POSITIVE (SCORE 3+).

# FINAL DIAGNOSIS:

PART 1: LEFT BREAST, TOTAL MASTECTOMY -

- A. INFILTRATING DUCT CARCINOMA, TWO LESIONS, 2.6 X 1.7 X 1.5 CM IN THE LOWER OUTER QUADRANT AND 3.0 X 2.8 X 2.5 CM IN THE UPPER OUTER QUADRANT NOTTINGHAM SCORE 9 OUT OF 9 (TUBULES 3, NUCLEI 3, MITOSIS 3).
- LYMPHOVASCULAR INVASION IDENTIFIED.
- C. DUCTAL CARCINOMA IN-SITU, SOLID TYPE, NUCLEAR GRADE 3 WITH COMEDO-TYPE NECROSIS, COMPRISING LESS THAN 5% OF TUMOR.
- D. SURGICAL MARGINS NEGATIVE FOR INFILTRATING DUCT CARCINOMA AND DUCTAL CARCINOMA IN-
- E. INFILTRATING DUCT CARCINOMA FOCALLY APPROACHES VERY CLOSELY MARGIN OF EXCISION IN THE LOWER OUTER QUADRANT (WITHIN 0.2 CM).
- F. NIPPLE NEGATIVE FOR TUMOR.
- G. CHANGES CONSISTENT WITH PREVIOUS CORE BIOPSY SITE.
- H. TWO LYMPH NODES, POSITIVE FOR METASTATIC CARCINOMA (2 OUT OF 2).

PART 2: LEFT BREAST, NEW ANTERIOR-INFERIOR MARGIN, EXCISION -SKIN AND SUBCUTANEOUS TISSUE, NEGATIVE FOR TUMOR.

PART 3: LEFT SENTINEL LYMPH NODE #1, BIOPSY -ONE LYMPH NODE POSITIVE FOR METASTATIC CARCINOMA (1 OUT OF 1).

PART 4: LEFT SENTINEL LYMPH NODE #2, BIOPSY -ONE LYMPH NODE NEGATIVE FOR METASTATIC CARCINOMA (0 OUT OF 1).

PART 5: LEFT SENTINEL LYMPH NODE #3, BIOPSY -ONE LYMPH NODE POSITIVE FOR METASTATIC CARCINOMA (1 OUT OF 1).

PART 6: LEFT AXILLARY CONTENTS, EXCISION -

FIVE OF ELEVEN LYMPH NODES POSITIVE FOR METASTATIC CARCINOMA, THREE WITH EXTRACAPSULAR

PART 7: RIGHT BREAST TISSUE, EXCISION (396 GRAMS) -

- A. FOCAL ATYPICAL DUCTAL HYPERPLASIA ASSOCIATED WITH MICROCALCIFICATIONS.
- B. CALCIFIED FIBROADENOMA.
- C. FIBROCYSTIC CHANGES WITH MICROCALCIFICATIONS.
- D. SCLEROSING ADENOSIS.
- SCLEROSING INTRADUCTAL PAPILLOMA. E.
- UNREMARKABLE SKIN.

## Criteria Diagnosis Discrepancy Primary Tumor Site Discrepancy HIPAA Discrepancy Prior Malignancy History Dual/Synchronous Prin Case is (circle):

#### COMMENT:

Estrogen receptor, progesterone receptor and HER-2/neu immunostains will be ordered and subsequently reported in an addendum. Immunostaining for e-cadherin and myosin heavy chain confirm the interpretation of changes in the right breast tissue.

# SYNOPTIC - PRIMARY INVASIVE CARCINOMA OF BREAST

```
A. Laterality: 2
       1. Right
                             2. Left
  B. Procedure: 2

    Segmentectomy

                                                       3. Modified radical mastectomy
      2. Simple mastectomy
                                                       4. Re-excision
  C. Location: 4, 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): 2.6 and 3.0 cm
      1. Ductal, NOS
                                                      5. Cribriform
                                                                                     9. Metaplastic
      2. Tubular
                                                      6. Papillary
                                                                                     10. Other
      3. Mucinous
                                                      7. Lobular
      4. Meduliary
                                                      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:
     G2. Tubule formation: 3
     G3. Mitotic activity score: 3
      G4. Total Nottingham score: 9
      G5. Nottingham grade (1, 2, 3): #
 H. Angiolymphatic invasion: 2
      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: 2
     1. Cribriform
                                                      4. Micropapillary
                                                                                   7. Lobular
     2. Solid
                                                      Apocrine
     3. Papillary
                                                      6. Comedo
 L. Percentage of tumor occupied by in situ component: <5%
 M. Surgical margins involved by invasive component:
                            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: 9
 Q. Total number of lymph nodes examined: 16
R. Sentinel node metastasis: 1
      1. Yes
                           2. No
S. Only micrometastases to lymph nodes (none larger than 0.2 cm): 2
      1. Yes
                           2. No
T. Metastasis/es to a lymph node 2 cm. or more in greatest dimension: 1
      1. Yes
                           2. No
U. Lymph node metastasis/es with extracapsular extension: 1
      1. Yes
                           2. No
V. Metastases to ipsilateral internal mammary lymph node (if applicable): N/A
      1. Yes
                           No
W. Skin involved (ulceration): 2
      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: 1
     1. Yes
                          2. No
Z. TNM stage: T3 # N 2a# M X#
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1 1