

**PATIENT HISTORY:**

Clinical history is not given.

PRE-OP DIAGNOSIS: Right upper lobe mass.

POST-OP DIAGNOSIS: Not given.

PROCEDURE: Not given.

**ADDENDA:****Addendum**

Fluorescence in-situ hybridization studies performed on the adenocarcinoma show a ratio of Her2/Neu to the centromere of chromosome 17 of 1.40, indicating low-level amplification in the targeted region. The ratio of cyclin-D1 gene to the centromere of chromosome 11 is 2.16, indicating cyclin-D1 amplification in the targeted region where this is associated with a monosomy rate of 85.7% of analyzed cells. The ratio of EGFR gene to the centromere of chromosome 7 is 9.33, indicating amplification in the targeted region and corresponding to hyperploidy rate of 87.3% of analyzed cells.

Her2/neu and Cyclin D1 amplification may help in identifying those patients likely to experience shorter survival when considered together with other major risk factors.

**FINAL DIAGNOSIS:****Summary Statement**

The right upper lobe demonstrates a 1.6 cm invasive moderately differentiated adenocarcinoma. There is no angiolymphatic invasion or visceral pleural invasion. Surgical resection margins are free of tumor. All sampled lymph nodes are benign. Pathologic stage: T1 N0 MX.

**PART 1: LYMPH NODE, "SUBCARINAL", BIOPSY –  
FIVE (5) FRAGMENTS OF LYMPH NODE WITH ANTHRACOTIC PIGMENT.**

**PART 2: LYMPH NODE, "RIGHT TRACHEOBRONCHIAL ANGLE", BIOPSY –  
SIX (6) FRAGMENTS OF LYMPH NODE WITH ANTHRACOTIC PIGMENT.**

**PART 3: LYMPH NODE, "RIGHT PARATRACHEAL", BIOPSY –  
SIX (6) FRAGMENTS OF LYMPH NODE WITH ANTHRACOTIC PIGMENT.**

**PART 4: LYMPH NODE, "SUBINNOMINATE", BIOPSY –  
TWO (2) FRAGMENTS OF REACTIVE LYMPH NODE WITH ANTHRACOTIC PIGMENT.**

**PART 5: PLEURA, RIGHT, BIOPSY –  
FRAGMENTS OF FIBRIN WITH REACTIVE MESOTHELIAL CELLS, MACROPHAGES AND BONE MARROW.**

**PART 6: LUNG, RIGHT UPPER LOBE, WEDGE RESECTION –**

A. INVASIVE MODERATELY DIFFERENTIATED ADENOCARCINOMA (1.6 CM IN DIAMETER). NO EVIDENCE OF VISCELAR PLEURAL OR ANGIOLYMPHATIC INVASION. MILD LYMPHOCYTIC HOST RESPONSE.

PATHOLOGIC STAGE: T1 N0 MX.

B. SURGICAL RESECTION MARGINS ARE FREE OF TUMOR.

C. BACKGROUND LUNG WITH EMPHYSEMATOUS CHANGE AND RESPIRATORY BRONCHIOLITIS.

**PART 7: LYMPH NODE, "ANTERIOR HILAR", BIOPSY –  
THREE (3) FRAGMENTS OF LYMPH NODE WITH ANTHRACOTIC PIGMENT.**

## MICROSCOPIC:

Microscopic examination substantiates the above diagnosis. Mucicarmine is negative. PAS and PAS with diastase are positive. Elastic stain shows an intact visceral pleura.

## **SYNOPTIC – PRIMARY LUNG TUMORS**