

Clinical History/Diagnosis: Lung cancer

Source of Specimen(s):

- 1: Cytology -no fee code
- 2: Level nine lymph nodes
- 3: 10R lymph nodes
- 4: Level seven lymph nodes
- 5: Level 11 lymph node
- 6: Level 11 lymph node at bifurcation of middle and lower lobe
- 7: Right upper and middle lobe

Final Diagnosis:

1. Cytology
2. Level nine lymph nodes, excision:
  - No tumor seen in one lymph node (0/1).
3. 10R lymph nodes, excision:
  - Metastatic carcinoma in two of two lymph nodes (2/2).
4. Level seven lymph nodes, excision:
  - No tumor seen in seven lymph nodes (0/7).
5. Level 11 lymph node, excision:
  - No tumor seen in one lymph node (0/1).
6. Level 11 lymph node at bifurcation of middle and lower lobe, excision:
  - No tumor seen in one lymph node (0/1).
7. Right upper and middle lobe, resection:
  - Invasive poorly differentiated adenosquamous carcinoma, 6.5 cm of the upper lobe.
  - Carcinoma invades through visceral pleura.
  - Angiolymphatic invasion is not identified.
  - Bronchial and vascular margins are free of carcinoma.
  - No tumor seen in five parabrachial lymph nodes (0/5).
  - pT2 N1 Mx

Gross Description:

Received in seven parts.

Source of Tissue: 1. Cytology

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Source of Tissue: 2. Labeled #2, "level 9 lymph nodes"

Gross Description: Received fresh labeled, level 9 lymph nodes". It consists of a firm light-brown lymph node measuring 1.5 x 0.8 x 0.5 cm. The lymph node is bisected and entirely submitted in 2A.

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Source of Tissue: 3. Labeled #3, "10R lymph nodes"

Gross Description: Received fresh labeled "  
10R lymph nodes". It consists of black-brown soft anthracotic lymph nodes  
measuring from 1 up to 1.5 cm in greatest dimension. Each lymph node is  
bisected and entirely submitted in 3A-3B.

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Source of Tissue: 4. Labeled #4, "level 7 lymph nodes"

Gross Description: Received fresh labeled "  
level 7 lymph nodes". It consists of multiple soft black-brown anthracotic  
lymph nodes measuring from 0.2 up to 2.0 cm in greatest dimension.  
Entirely submitted in 4A-4E.

Designation of Sections: 4A-4B- one large bisected lymph node, 4C- one  
bisected lymph node, 4D- two bisected lymph nodes, 4E- multiple small  
potential lymph nodes

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Source of Tissue: 5. Labeled #5, "level 11 lymph node"

Gross Description: Received fresh labeled "  
level 11 lymph node". It consists of a soft black-brown anthracotic lymph  
node measuring 1.2 x 0.5 x 0.5 cm. The lymph node is bisected and entirely  
submitted in 5A.

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Source of Tissue: 6. Labeled #6, "level 11 lymph node at bifurcation of middle and lower  
lobe"

Gross Description: Received fresh labeled,  
level 11 lymph node at bifurcation of middle and lower lobe". It consists  
of a soft black-brown anthracotic lymph node measuring 0.8 x 0.7 x 0.6 cm.  
The lymph node is bisected and entirely submitted in 6A.

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Source of Tissue: 7. Labeled #7, "right upper and middle lobe"

Intraoperative Consultation: UPPER LOBE BRONCHIAL MARGIN- NO TUMOR  
SEEN PER [REDACTED]

Gross Description: Received fresh labeled "  
right upper and middle lobe". It consists of two lobes of lung weighing a  
total of 292 grams. The upper lobe measures 13.5 x 11.5 x 5 cm in greatest  
dimension. The pleura is gray-tan, smooth except for a 1.2 cm puckered  
area located approximately 6 cm from the closest upper lobe margin and  
approximately 4.5 cm from the middle lobe bronchial margin. The middle  
lobe measures 10.5 x 10.5 x 4.5 cm. The pleura is gray-tan and smooth.  
Both the bronchial margin and vascular margin from both upper and middle  
lobes are unremarkable. The upper lobe is sectioned to reveal a 6.5 x 4.5  
x 4.5 cm ill-defined firm brown mass located approximately 3.5 cm from the  
closest upper lobe bronchial and vascular margins. The mass corresponds to  
the previously described pleural puckering of the upper lobe. The middle  
lobe is sectioned to reveal a congested soft tan-pink cut surface with no  
masses present. The horizontal fissure appears grossly unremarkable. The  
upper lobe bronchial margin is entirely frozen in 7FS. Additional random

sections of the remainder of the specimen are submitted in 7A-7J.

TCGA-64-5815

Designation of Sections: 7FS- frozen section, 7A- right upper lobe  
vascular margin, 7B-7D- random section of tumor, 7E- tumor with adjacent  
uninvolved parenchyma, 7F- middle lobe bronchial margin, 7G- middle lobe  
vascular margin, 7H- horizontal fissure, 7I- uninvolved middle lobe, 7J-  
peribronchial lymph nodes

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#### LUNG TEMPLATE

##### Specimen Type

Right upper and middle lobes

##### Laterality

Right

##### Tumor Site

Upper lobe Middle lobe

##### Tumor Size

Greatest dimension: 6.5 cm (T1 if  $\leq 3.0$  cm; otherwise T2)

##### Histologic Type

Adenosquamous carcinoma

##### Histologic Grade

Poorly differentiated

##### Extension of Tumor

Carcinoma invades into/through visceral pleura (T2)

##### Venous (Large Vessel) Invasion

Absent

##### Arterial (Large Vessel) Invasion

Absent

##### Margins

Margins uninvolved by invasive carcinoma

Distance from closest margin: 3.5 cm

##### Regional Lymph Nodes

17 regional lymph nodes examined

Regional lymph node metastasis

2 ipsilateral peribronchial and/or hilar lymph node(s) with  
metastatic carcinoma (N1)

pTNM: T2 N1 Mx