

**A306-Lung cancer tissues
with corresponding normal tissues**

(formalin fixed)

For research use only

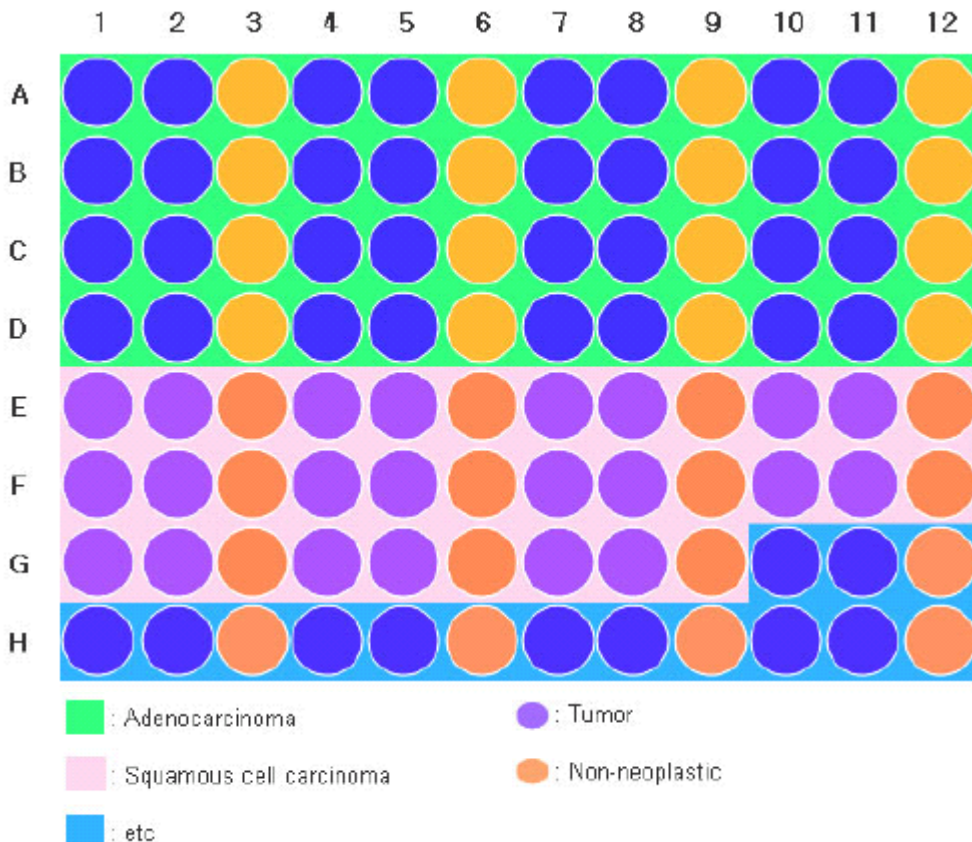
Specifications:

- No. of cases: 32
- Tissue type: Lung cancer tissues with corresponding normal tissues
- No. of spots: 2 spots from each tumor case (64 spots)
32 non-neoplastic spots (32 spots)
- Total spots: 96
- Corresponding normal tissues with cancers: Yes
- Diameter: 1.0 mm

Documents:

- Product specification: layout, summary of tissue spots
- H&E stained images
- Detailed pathological information

Layout:



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Summary of tissue spots

No	Coordinate	Sex	Age	Key word	TNM	
1	A	1,2	f	49	Adenocarcinoma	T3N1M1 (IV)
2		3	f	49	Non-neoplastic from A1,2	
3		4,5	f	60	Adenocarcinoma	T1N2M0 (III A)
4		6	f	60	Non-neoplastic from A4,5	
5		7,8	f	66	Adenocarcinoma	T2N0M0 (I B)
6		9			Non-neoplastic from A7,8	
7		10,11	f	49	Adenocarcinoma	T2N0M1 (IV)
8		12	f	49	Non-neoplastic from A10,11	
9	B	1,2	m	61	Adenocarcinoma	T3N1M0 (III A)
10		3	m	61	Non-neoplastic from B1,2	
11		4,5	f	59	Adenocarcinoma	T2N2M0 (III A)
12		6	f	59	Non-neoplastic from B4,5	
13		7,8	m	61	Adenocarcinoma	T2N1M0 (II B)
14		9	m	61	Non-neoplastic from B7,8	
15		10,11	f	54	Adenocarcinoma	T4N2M1 (IV)
16		12	f	54	Non-neoplastic from B10,11	
17	C	1,2	m	57	Adenocarcinoma	metastasis
18		3	m	57	Non-neoplastic from C1,2	
19		4,5	m	79	Adenocarcinoma	T2N0M0 (I B)
20		6	m	79	Non-neoplastic from C4,5	
21		7,8	f	77	Adenocarcinoma	T2N2M0 (III A)
22		9	f	77	Non-neoplastic from C7,8	
23		10,11	m	58	Adenocarcinoma	T2N1M0 (II B)
24		12	m	58	Non-neoplastic from C10,11	
25	D	1,2	f	37	Adenocarcinoma	T4N1M1 (IV)
26		3	f	37	Non-neoplastic from D1,2	
27		4,5	m	77	Adenocarcinoma	T4N0M1 (IV)
28		6	m	77	Non-neoplastic from D4,5	
29		7,8	m	58	Adenocarcinoma	T1N0M0 (I A)
30		9	m	58	Non-neoplastic from D7,8	
31		10,11	f	64	Adenocarcinoma	T2N2M0 (III A)
32		12	f	64	Non-neoplastic from D10,11	
33	E	1,2	m	56	Squamous cell carcinoma	T2N1M0 (II B)
34		3	m	56	Non-neoplastic from E1,2	
35		4,5	m	63	Squamous cell carcinoma	T3N0M0 (II B)
36		6	m	63	Non-neoplastic from E4,5	
37		7,8	m	71	Squamous cell carcinoma	T2N2M0 (III A)
38		9	m	71	Non-neoplastic from E7,8	
39		10,11	m	60	Squamous cell carcinoma	T2N1M0 (II B)
40		12	m	60	Non-neoplastic from E10,11	

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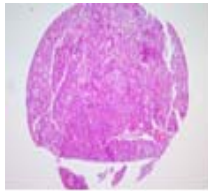
No	Coordinate	Sex	Age	Key word	TNM	
41	F	1,2	m	64	Squamous cell carcinoma	T2N3M0 (III B)
42		3	m	64	Non-neoplastic from F1,2	
43		4,5	m	56	Squamous cell carcinoma	T3N0M0 (II B)
44		6	m	56	Non-neoplastic from F4,5	
45		7,8	m	53	Squamous cell carcinoma	T2N1M0 (II B)
46		9	m	53	Non-neoplastic from F7,8	
47		10,11	m	60	Squamous cell carcinoma	T2N0M0 (I B)
48		12	m	60	Non-neoplastic from F10,11	
49	G	1,2	m	59	Squamous cell carcinoma	T3N0M0 (II B)
50		3	m	59	Non-neoplastic from G1,2	
51		4,5	m	56	Squamous cell carcinoma	T2N1M0 (II B)
52		6	m	56	Non-neoplastic from G4,5	
53		7,8	m	52	Squamous cell carcinoma	T3N2M0 (III A)
54		9	m	52	Non-neoplastic from G7,8	
55		10,11	m	58	Small cell carcinoma	T2N0M0 (I B)
56		12	m	58	Non-neoplastic from G10,11	
57	H	1,2	f	59	Bronchioloalveolar carcinoma	T1N1M0 (II A)
58		3	f	59	Non-neoplastic from H1,2	
59		4,5	f	59	Bronchioloalveolar carcinoma	T4N0M0 (III B)
60		6	f	59	Non-neoplastic from H4,5	
61		7,8	f	67	Large cell necroendocrine carcinoma	T2N1M0 (II B)
62		9	f	67	Non-neoplastic from H7,8	
63		10,11	m	58	Small cell carcinoma	T2N1M1 (IV)
64		12	m	58	Non-neoplastic from H10,11	

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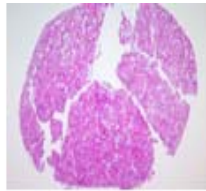
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For research use only

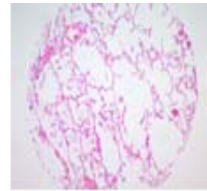
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Hematoxylin and Eosin staining**



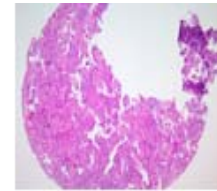
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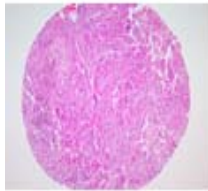
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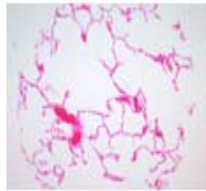
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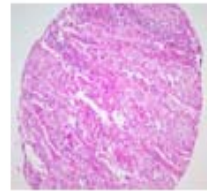
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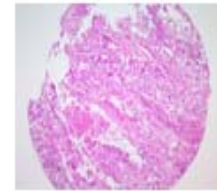
A5



A6



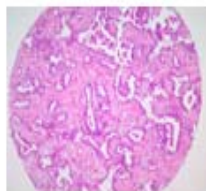
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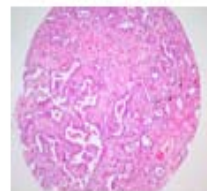
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A9



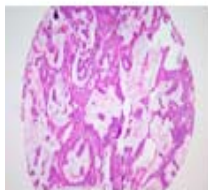
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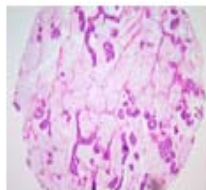
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A12



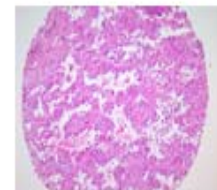
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B2



B3



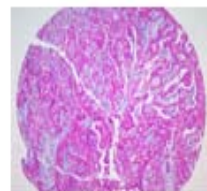
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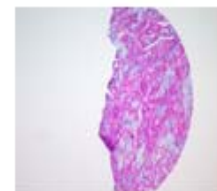
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B6



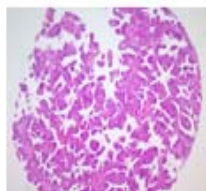
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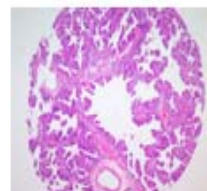
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B9



B10



B11



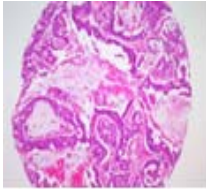
B12

**A306-Lung cancer tissues
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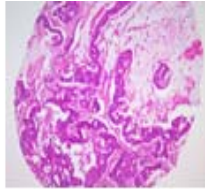
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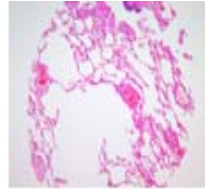
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Hematoxylin and Eosin staining**



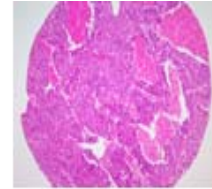
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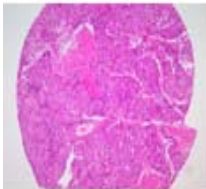
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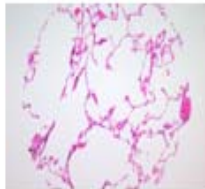
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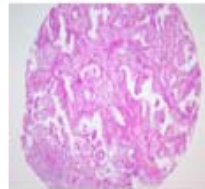
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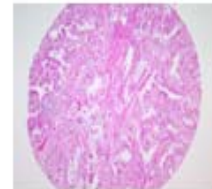
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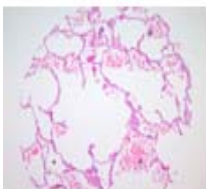
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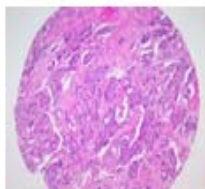
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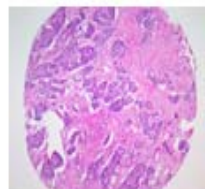
C8



C9



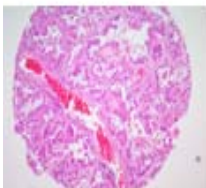
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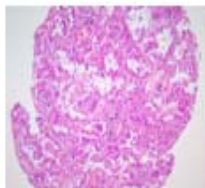
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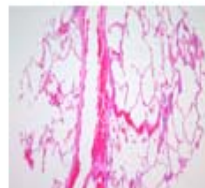
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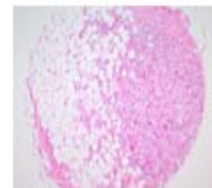
D1



D2



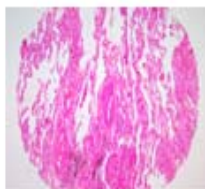
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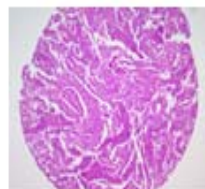
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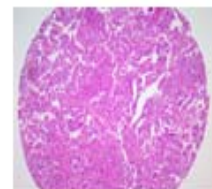
D5



D6



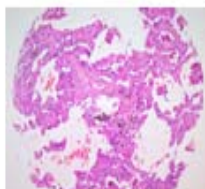
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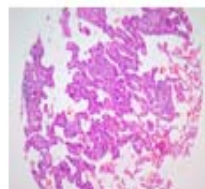
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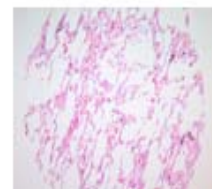
D9



D10



D11



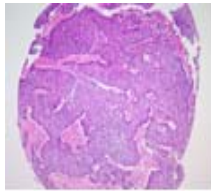
D12

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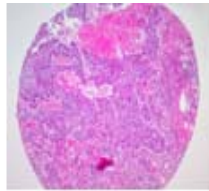
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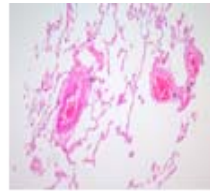
**QC sheet_LOT#132130504061
Hematoxylin and Eosin staining**



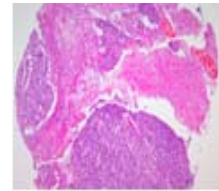
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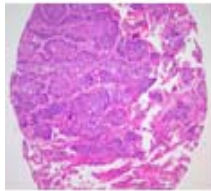
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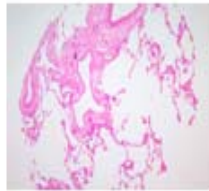
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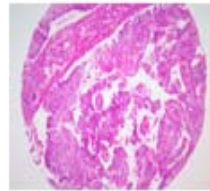
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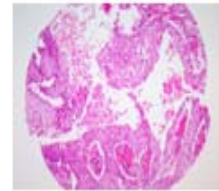
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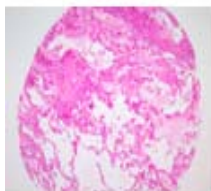
E6



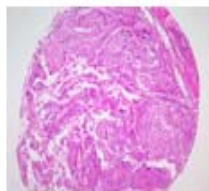
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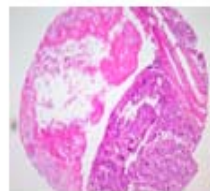
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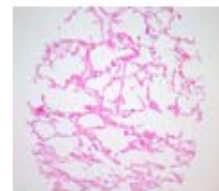
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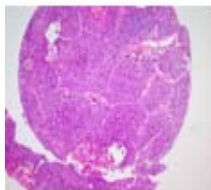
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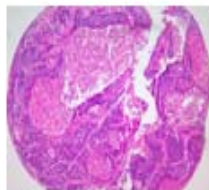
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E12



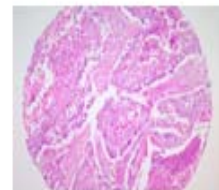
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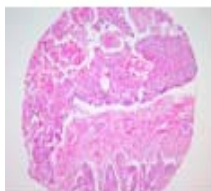
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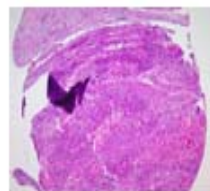
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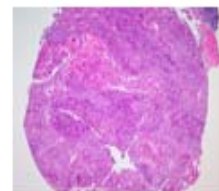
F5



F6



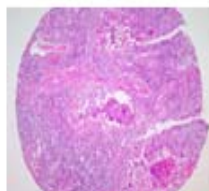
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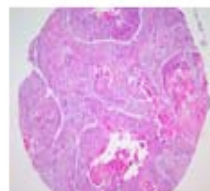
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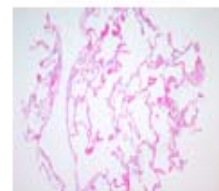
F9



F10



F11



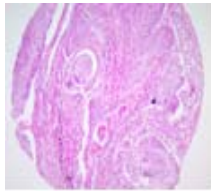
F12

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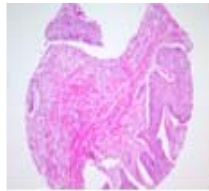
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For research use only

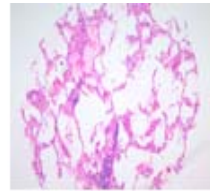
**QC sheet_LOT#132130504061
Hematoxylin and Eosin staining**



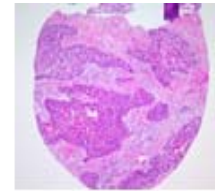
G1



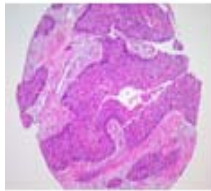
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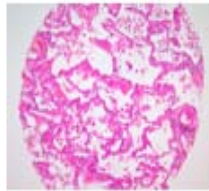
G3



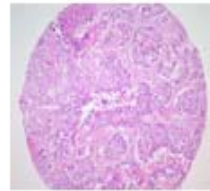
G4



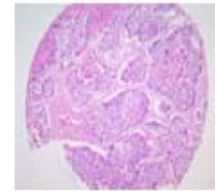
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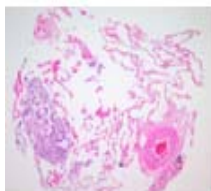
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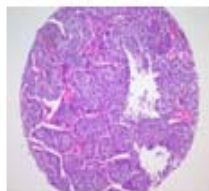
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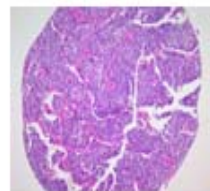
G8



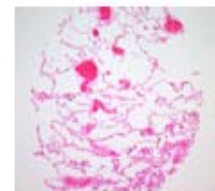
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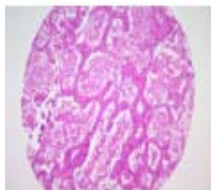
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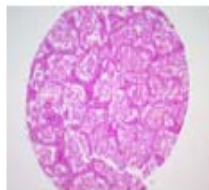
G11



G12



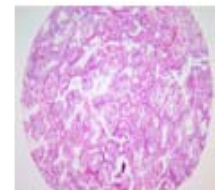
H1



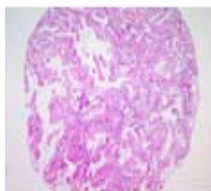
H2



H3



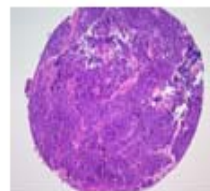
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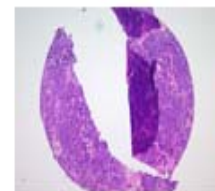
H5



H6



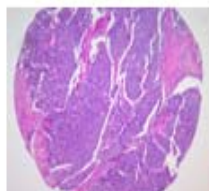
H7



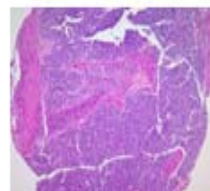
H8



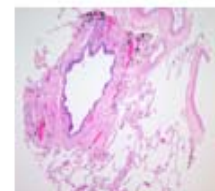
H9



H10



H11



H12

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate	Sex	Age	Key word	Histological Diagnosis	TNM	
1	A	1,2	f	49	adenocarcinoma	Lung, upper and middle lobe, pneumonectomy: adenocarcinoma, moderately differentiated 1) involving middle and upper lobe 2) size, >3cm 3) histologically, Mainly solid type with mucin production + tubular type + signet ring cells. 4) no vascular invasion or perineural invasion 5) no pleural invasion 6) bronchus, resection margin, free of tumor 7) regional lymph node:(2/6) 8) metastatic adenocarcinoma in 2 out of 6 nodes.	T3N1M1(IV)
2	A	3	f	49	non-neoplastic	non-neoplastic from A1,2	
3	A	4,5	f	60	adenocarcinoma	Lung, right, lobectomy: adenocarcinoma, acinar type, moderately differentiated with 1) prominent bronchioloalveolar growth pattern 2) focal spindle cell foci 3) tumor size: 2.3cm 4) no vascular and perineural invasion 5) occasional lymphatic permeation 6) subpleural tumor extension without involvement of visceral pleural surface 7) bronchial resection margin: free of tumor 8) regional lymph node(0/1): free of tumor.	T1N2M0(III A)
4	A	6	f	60	non-neoplastic	non-neoplastic from A4,5	
5	A	7,8	f	66	adenocarcinoma	Lung, right, pneumonectomy: adenocarcinoma, poorly differentiated, arising from posterior segment involving but not penetrating visceral pleura 1) resection margin, bronchus, free of tumor 2) pulmonary vessels, free of tumor 3) lymph nodes, subhilar(0/6), lobar(0/4) and segmental(0/4), free of tumor in all 14 nodes.	T2N0M0(I B)
6	A	9			non-neoplastic	non-neoplastic from A7,8	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key word	Histological Diagnosis	TNM
7	A	10,11	f	49	adenocarcinoma	Lung, right, pneumonectomy: bronchogenic adenocarcinoma, poorly differentiated (4x3.2x3cm) with 1) areas of bronchioloaveolar carcinoma, peripherally 2) extension to the visceral pleura 3) tumor metastasis to the visceral pleura of lower lobe(M1) 4) moderate tumor necrosis 5) resection margin, bronchial: free of tumor 6) lymph nodes, hilar(0/1), carinal(0/4), interlobar(0/6):(0/11): free of tumor.	T2N0M1(IV)
8	A	12	f	49	non-neoplastic	non-neoplastic from A10,11	
9	B	1,2	m	61	adenocarcinoma	Lung, left upper lobe, lobectomy: 1) adenocarcinoma, moderately differentiated, acinar type - tumor size 5.5x5.5x4cm (>3cm) - with extension to mediastinal pleura - necrosis less than 10% 2) adjacent parenchyme: obstructive pneumonitis 3) resection margin, bronchial and vessel: free of tumor 4) lymph nodes, anterior mediastinal(0/3), A-P window(1/5), peribronchial LN(1/6):(2/15): metastatic adenocarcinoma in 1 out of 15 nodes 5) soft tissue, labelled as "right paratreacheal LN": free of tumor.	T3N1M0(III A)
10	B	3	m	61	non-neoplastic	non-neoplastic from B1,2	
11	B	4,5	f	59	adenocarcinoma	Lung, right upper, lobectomy: adenocarcinoma, bronchogenic, well differentiated confined to the lung(T1 stage IIIa) 1) regional lymph nodes, right paraesophageal(1/2), inferior pulmonary 2) ligment(0/3), subcarinal(1/2), hilar(0/1), interlobar(0/1), lobar(2/5):(4/14): metastatic carcinoma in 4 out of 14 lymph nodes.	T2N2M0(III A)
12	B	6	f	59	non-neoplastic	non-neoplastic from B4,5	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key word	Histological Diagnosis	TNM
13	B	7,8	m	61	adenocarcinoma	Lung, right middle and lower lobe, bilobectomy: adenocarcinoma, moderately differentiated, mixed acinar and papillary type, with 1) Involvement of visceral pleura of lower and middle lobe 2) lymphatic permeation 3) multifocal calcification 4) bronchial resection margin: free of tumor 5) regional lymph nodes, hilar(8/8), right lower lobe basal segment peribronchial(1/1), inferior pulmonary ligament(0/1): metastatic adenocarcinoma in 9 out of 10 nodes.	T2N1M0(II B)
14	B	9	m	61	non-neoplastic	non-neoplastic from B7,8	
15	B	10,11	f	54	adenocarcinoma	Lung, right upper lobe, lobectomy: 1) papillary adenocarcinoma - tumor size: 4.2x3.5cm - with multiple neoplastic nodules adjacent to the primary tumor(T4) - with extension to the visceral pleura - with lipid pneumonia adjacent to the tumor 2) resection margin, bronchial: free of tumor 3) regional lymph nodes, separately sent: tumor metastasis to 1 out of 2 lymph nodes.	T4N2M1(IV)
16	B	12	f	54	non-neoplastic	non-neoplastic from B10,11	
17	C	1,2	m	57	adenocarcinoma	Lung, right upper lobe, lobectomy: adenocarcinoma, moderately differentiated, clinically metastatic with 1) multifocal necrosis 2) extension to the parietal pleura 3) several foci of bronchiolar protrusion 4) bronchial resection margin: free of tumor 5) regional lymph nodes, perihilar(0/1), subcarinal(0/1), tracheobronchial(0/1):(0/3): free of tumor 6) soft tissue, labelled as paraesophageal lymph nodes: schwannoma.	metastasis
18	C	3	m	57	non-neoplastic	non-neoplastic from C1,2	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate	Sex	Age	Key word	Histological Diagnosis	TNM	
19	C	4,5	m	79	adenocarcinoma	Lung, left lower lobe, segmentectomy: 1) adenocarcinoma, poorly differentiated - with spreading to the visceral pleura(T2) - anthracotic macules in non-involved lung tissue - resection margin: free of tumor 2) resection margin, bronchi: free of tumor <additional report> mucicarmine(+), NSE(focally +, nonspecific), chromogranin(-), synaptophysin(-).	T2N0M0(I B)
20	C	6	m	79	non-neoplastic	non-neoplastic from C4,5	
21	C	7,8	f	77	adenocarcinoma	Lung, right, pneumonectomy: adenocarcinoma, well differentiated 1) bronchial resection margin: free of tumor 2) subcarinal lymph nodes(2/4), hilar lymph nodes(0/2): metastasis in 2 out of 6 nodes.	T2N2M0(III A)
22	C	9	f	77	non-neoplastic	non-neoplastic from C7,8	
23	C	10,11	m	58	adenocarcinoma	Lung, right middle lobe, lobectomy: adenocarcinoma, poorly differentiated with 1) size: 4x3x2.5cm 2) visceral pleural invasion 3) lymphovascular invasion 4) intact resection margin of bronchus.	T2N1M0(II B)
24	C	12	m	58	non-neoplastic	non-neoplastic from C10,11	
25	D	1,2	f	37	adenocarcinoma	Lung, left, pneumonectomy: adenocarcinoma moderately differentiated, papillary type with extension to the pleura and lymphatic permeation 1) resection margin: free of tumor 2) tissue labelled as "pleural nodules": chronic nonspecific inflammation with dense fibrosis and mesothelial hyperplasia 3) lymph nodes, hilar(2/9), paraaortic(0/4), intrapulmonary(0/1), subcarinal(0/2), peribronchial(3/9), AP window(0/10): metastatic carcinoma in 5 out of 35 lymph nodes.	T4N1M1(IV)
26	D	3	f	37	non-neoplastic	non-neoplastic from D1,2	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key word	Histological Diagnosis	TNM
27	D	4,5	m	77	adenocarcinoma	<p>1. Lung, right upper lobe, wedge resection: adenocarcinoma, poorly differentiated with extension to the chest wall 1) blood vessel, subclavian artery: abutting of carcinoma, without invasion into the wall 2) blood vessel, jugular vein: free of carcinoma 3) lymph nodes, scalene(2/10): metastatic carcinoma in 2 out of 10 lymph nodes 4) bone, first rib, second rib, clavicle, excision: additional report will follow after decalcification</p> <p>2. Bone, excision: 1) first rib: free of tumor 2) second rib: extension of carcinoma 3) clavicle: free of tumor.</p>	T4N0M1(IV)
28	D	6	m	77	non-neoplastic	non-neoplastic from D4,5	
29	D	7,8	m	58	adenocarcinoma	<p>Lung, upper lobe, left, lobectomy: adenocarcinoma, moderately differentiated, with involvement of bronchus 1) resection margin, bronchial: free of tumor 2) regional lymph nodes, hilar node(0/7), interlobar node(0/10), pulmonary artery(0/3):(0/20): free of tumor.</p>	T1N0M0(I A)
30	D	9	m	58	non-neoplastic	non-neoplastic from D7,8	
31	D	10,11	f	64	adenocarcinoma	<p>Lung, right upper lobe, lobectomy: 1) adenocarcinoma, well differentiated, acinar type, - mixed with bronchioloalveolar carcinoma, focally - size(2.7x1.2cm) - visceral pleura involvement 2) bronchial resection margin: free of tumor 3) regional lymph nodes: tumor metastasis to 1 out of 3(1/3).</p>	T2N2M0(III A)
32	D	12	f	64	non-neoplastic	non-neoplastic from D10,11	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key word	Histological Diagnosis	TNM
33	E	1,2	m	56	squamous cell carcinoma	Lung, right, pneumonectomized: 1) mass, epidermoid carcinoma, poorly differentiated, involving intermediate bronchus, lower lobe bronchus and lower lobe, confined within the parenchyme(T2) 2) upper lobe, bullae 3) mid lobe, organizing pneumonia 4) lower lobe, obstructive pneumonitis and abscess formation 5) resection margin, bronchial, free of tumor 6) regional lymph nodes, tumor metastasis to 2 out of 11, following: interlobar(2/3), high paratracheal(0/5), low paratracheal(0/3).	T2N1M0(II B)
34	E	3	m	56	non-neoplastic	non-neoplastic from E1,2	
35	E	4,5	m	63	squamous cell carcinoma	Lung, right pneumonectomy: 1) squamous cell carcinoma, moderately differentiated - tumor location: right upper lobe - tumor size: > 3cm - with invasion of pulmonary artery(T4) - no perineural invasion - main stem bronchus: involved by invasive carcinoma - with no in situ carcinoma 2) non-neoplastic lung - focal obstructive pneumonitis - emphysematous change - microscopic foci of atypical hyperplasia of pneumocytes 3) bronchus, resection margin: free of tumor 4) regional lymph node, hilar(0/7), right inferior pulmonary ligament(0/2), right lower paratracheal(0/2), right paraesophageal(0/2), subcarina(0/3), right upper paratracheal(0/3), right tracheobronchial(0/1),(0/20), free of tumor.	T3N0M0(II B)
36	E	6	m	63	non-neoplastic	non-neoplastic from E4,5	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key word	Histological Diagnosis	TNM
37	E	7,8	m	71	squamous cell carcinoma	Lung, right, pneumonectomy: 1) mass: -epidermoid carcinoma, poorly differentiated, with marked necrosis, involving mid-lobe and upper lobe, and extension to the visceral pleura(T2) -obstructive pneumonitis 2) resection margin, bronchial, free of tumor 3) regional lymph nodes, peri-bronchial, free of tumor(0/8).	T2N2M0(III A)
38	E	9	m	71	non-neoplastic	non-neoplastic from E7,8	
39	E	10,11	m	60	squamous cell carcinoma	Lung, left lower lobe, lobectomy: 1) bronchogenic squamous cell carcinoma, moderately differentiated, lateral basal segment 2) obstructive pneumonia 3) bronchial resection margin: free of tumor 4) lymph nodes, peribronchial: -metastatic squamous cell carcinoma in one out of 13 nodes -anthracosilicosis.	T2N1M0(II B)
40	E	12	m	60	non-neoplastic	non-neoplastic from E10,11	
41	F	1,2	m	64	squamous cell carcinoma	Lung, left upper lobe: 1) mass of apicoposterior segment: epidermoid carcinoma, poorly differentiated, peripherally located, confined to the lung parenchyme(2.5x2.2cm in size, T1) 2) resection margin, bronchial, free of tumor 3) regional lymph nodes, peribronchial, tumor metastasis to 5 out of 9 note: tumor extension in the mass of A-P window.	T2N3M0(III B)
42	F	3	m	64	non-neoplastic	non-neoplastic from F1,2	
43	F	4,5	m	56	squamous cell carcinoma	Lung with attached pericardium, left, pneumonectomy: 1) bronchogenic squamous cell carcinoma, moderately differentiated with extensive necrosis, involving visceral pleura and pericardium 2) bullae in the upper lobe 3) resection margin, bronchial: free of tumor 4) regional lymph nodes, anterior mediastinal(0/1), AP window(0/1), IPL(0/1), hilar(0/5), upper lobe(0/3) and lower lobe(0/3),(0/14): free of tumor in all 14 nodes.	T3N0M0(II B)
44	F	6	m	56	non-neoplastic	non-neoplastic from F4,5	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key word	Histological Diagnosis	TNM
45	F	7,8	m	53	squamous cell carcinoma	Lung, right, pneumonectomy: moderately well differentiated squamous cell carcinoma(3.5x3.5cm in dimension) involving anterior basal segment of lower lobe note: Marked pleural fibrous thickening, endogenous lipid pneumonia honey-combing, focal atelectasis, bronchiectasis and pneumoconiosis are noted in non-neoplastic lung parenchyme 1) skin, chest wall: ulcer, fibrosis and reactive squamous hyperplasia 2) bone, 6th rib: - free of tumor - reactive bone formation 3) resection margin, bronchial: Involvement of squamous cell carcinoma 4) regional lymph node, hilar(1/2): Involvement of squamous cell carcinoma in 1 out of 2	T2N1M0(II B)
46	F	9	m	53	non-neoplastic	non-neoplastic from F7,8	
47	F	10,11	m	60	squamous cell carcinoma	Lung, left upper lobe, lobectomy: 1) bronchogenic squamous cell carcinoma, moderately differentiated 2) endogenous lipid pneumonia and bronchiectasis secondary to bronchial obstruction by neoplasm 3) bronchus, resection margin, free of tumor 4) pulmonary vessels, free of tumor 5) regional lymph nodes hilar(0/1), left hilar(0/7), interlobar(0/1), left lobar(0/4):(013), free of tumor.	T2N0M0(I B)
48	F	12	m	60	non-neoplastic	non-neoplastic from F10,11	
49	G	1,2	m	59	squamous cell carcinoma	Lung, pneumonectomy: 1) squamous cell carcinoma, moderately differentiated with extension to the pleura and pericardium 2) pneumoconiosis 3) bullae 4) pulmonary edema and pneumonia 5) resection margin bronchus, free of tumor 6) pulmonary vein and artery, free of tumor 7) lymph node, hilar(0/5), free of tumor, pneumonconiosis.	T3N0M0(II B)
50	G	3	m	59	non-neoplastic	non-neoplastic from G1,2	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key word	Histological Diagnosis	TNM
51	G	4,5	m	56	squamous cell carcinoma	Lung, right, pneumonectomy: 1) bronchogenic squamous cell carcinoma, poorly differentiated, intermediate bronchus 2) bronchiectasis and endogenous lipid pneumonia, secondary to bronchial obstruction by neoplasm, lower lobe 3) bronchial resection margin, free of tumor 4) lymph node, peribronchial, metastatic squamous cell carcinoma in 4 out of 18 5) pulmonary vessel, Involvement of tumor in middle lobe.	T2N1M0(II B)
52	G	6	m	56	non-neoplastic	non-neoplastic from G4,5	
53	G	7,8	m	52	squamous cell carcinoma	Lung, right, pneumonectomy: 1) lower lobe: - bronchogenic squamous cell carcinoma, moderately differentiated with extension to the pleura - obstructive pneumonia adjacent the tumor mass 2) middle lobe: subpleural bullous emphysema 3) bronchus, resection margin: free of tumor 4) pulmonary artery and vein: free of tumor 5) lymph nodes, labelled as right hilar(0/1), right paratracheal(0/0), right paraesophageal(0/1), subcarinal(1/1), anterior 6) mediastinal(0/1), right lower paratracheal(3/6), right high paratracheal(1/1), lobar(2/6), interlobar(0/5) and segmental (1/1) : (8/23): metastatic carcinoma in 8 out of 23 nodes.	T3N2M0(III A)
54	G	9	m	52	non-neoplastic	non-neoplastic from G7,8	
55	G	10,11	m	58	small cell carcinoma	Lung, left lower lobe, lobectomy: small cell carcinoma with visceral pleural involvement (tumor size: 3cm in maximal diameter) 1) bronchopulmonary lymph nodes(0/3) and resection margin are free of neoplastic involvement 2) lymph nodes, each labelled as "hilar(0/1)", "AP window(0/9)", "subcarinal(0/3)" and	T2N0M0(I B)
56	G	12	m	58	non-neoplastic	non-neoplastic from G10,11	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key word	Histological Diagnosis	TNM
57	H	1,2	f	59	bronchioloalveolar carcinoma	Lung, left lower lobe, lobectomy: 1) mass: Bronchioloalveolar carcinoma, confined within the parenchyme (size 2.5cm, T1), associated with atypical alveolar epithelial hyperplasia 2) bronchial margin: free of tumor 3) regional lymph nodes: free of tumor(0/7), in details, hilar(0/5), A-P window(0/1), IPL(0/1).	T1N1M0(II A)
58	H	3	f	59	non-neoplastic	non-neoplastic from H1,2	
59	H	4,5	f	59	bronchioloalveolar carcinoma	Lung, right, pneumonectomy: bronchioloalveolar cell carcinoma, mucinous type involving upper and middle lobes 1) resection margins, bronchial and vascular: free of tumor 2) bronchopulmonary lymph nodes(0/11): free of tumor 3) lymph nodes, mediastinum, dissection: IPL(0/3), pretracheal(0/28), right tracheobronchial(0/1), highest mediastinal(0/5), right lower paratracheal(0/2), subcarina(0/4), prevascular(0/3):(0/46): free of tumor.	T4N0M0(III B)
60	H	6	f	59	non-neoplastic	non-neoplastic from H4,5	
61	H	7,8	f	67	large cell neuroendocrine carcinoma	Lung, left upper lobe, lobectomy: 1) large cell neuroendocrine carcinoma with - size: 2x1.8cm. - frequent lymphovascular involvement. - no in situ carcinoma present. - no involvement of visceral pleura. 2) bronchus, resection margin: free of tumor 3) blood vessels: free of tumor 4) regional lymph node, lobar(3/9): tumor metastasis in 3 out of 9 lymph nodes 5) regional lymph node, separately submitted, A-P window(1/1), IPL(0/5), peribronchial(1/3), lower paratracheal(1/1), hilar(0/1), anterior mediastinal(0/1), interlobar(0/1):(2/12): tumor metastasis in 2 out of 12 lymph nodes 6) result of immunohistochemistry: S-100(-), NSE(+), chromogranin(-), synaptophysin(-). <Additional report> EM> A few neurosecretory type granules are identified within cytoplasm, which confirms the diagnosis of large cell neuroendocrine carcinoma.	T2N1M0(II B)
62	H	9	f	67	non-neoplastic	non-neoplastic from H7,8	

A306: Lung cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key word	Histological Diagnosis	TNM
63	H	10,11	m	58	small cell carcinoma	Lung, right, pneumonectomy: small cell carcinoma, involving middle and lower lobe 1) bronchial resection margin: free of tumor 2) regional lymph nodes, hilar(2/2), interbronchial(0/7): metastatic small cell carcinoma in 2 out of 9 nodes.	T2N1M1(IV)
64	H	12	m	58	non-neoplastic	non-neoplastic from H7,8	