

Specifications:

- No. of cases: 44
- Tissue type: Various cancer tissues
- No. of spots: 2 spots from each cancer case (88 spots)
- Total spots: 88
- Corresponding normal tissues with cancers: No
- Diameter: 1.0 mm

Documents:

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

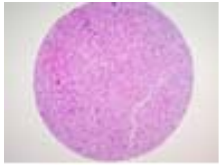
Layout:

	1	2	3	4	5	6	7	8	9	10	11	12
A	BRAIN		CEREBRUM		ESOPHAGUS				LARYNX			
	GLIOBLASTOMA				SCC				INVASIVE SCC			
B	THYROID				BREAST							
	PAPILLARY CA.		FOLLICULARCA.		INFILTRATINGDUCTAL CA.		INVASIVE LOBLULAR CA.					
C	STOMACH				PANCREAS							
	ADENOC.A.		SIGNET RING CELL CA.		ADENOC.A.							
D	LUNG				LYMPH NODE							
	SCC		ADENOC.A.		METASTATIC CA, POORLY DIFF.							
E	LIVER				KIDNEY							
	CHOLANGIOCA.	ADENOC.A.		HCC		WLM'S TUMOR		RCC				
F	OVARY				UTERUS							
	SEROUSADENOC.A.		MUCINOUSCYSTADENOC.A.		MUCINOUSADENOC.A.		INVASIVE SCC					
G	ENDOMETIRIUM		COLON		RECTUM		CECUM					
	ENDOMETRIOIDADENOC.A.	ENDOMETRIOIDCA	ADENOC.A.		MALTOMA		ADENOC.A.					
H	SKIN											
	INVASIVE SCC				ADENOC.A.= ADENOCARCINOMA, CA.=CARCINOMA SCC=SQUAMOUS CELL CARCINOMA							

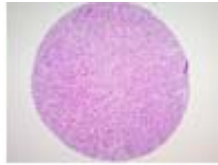
Summary of tissue spots

No.	Coordinate	Sex	Age	organ	Key word
1	1,2	f	58	brain	glioblastoma
2	3,4	f	45	cerebrum	glioblastoma
3	5,6	f	65	esophagus	squamous cell carcinoma
4	7,8	m	59	esophagus	squamous cell carcinoma
5	9,10	f	65	larynx	invasive squamous cell carcinoma
6	11,12	m	62	larynx	invasive squamous cell carcinoma
7	1,2	m	37	thyroid gland	papillary carcinoma
8	3,4	f	28	thyroid gland	papillary carcinoma
9	5,6	f	48	thyroid gland	follicular carcinoma
10	7,8	f	61	thyroid gland	follicular carcinoma
11	9,10	f	49	breast	infiltrating ductal carcinoma
12	11,12	f	46	breast	invasive lobular carcinoma
13	1,2	m	70	stomach	adenocarcinoma
14	3,4	m	42	stomach	adenocarcinoma
15	5,6	m	44	stomach	signet ring cell carcinoma
16	7,8	m	64	stomach	signet ring cell carcinoma
17	9,10	m	61	pancreas	adenocarcinoma
18	11,12	f	86	pancreas	adenocarcinoma
19	1,2	m	48	lung	squamous cell carcinoma
20	3,4	m	69	lung	squamous cell carcinoma
21	5,6	m	58	lung	adenocarcinoma
22	7,8	m	72	lung	adenocarcinoma
23	9,10	m	66	lymph node	metastatic carcinoma, poorly differentiated
24	11,12	m	70	lymph node	metastatic carcinoma, poorly differentiated
25	1,2	f	68	liver	cholangiocarcinoma
26	3,4	m	50	liver	adenocarcinoma
27	5,6	m	71	liver	hepatocellular carcinoma
28	7,8	m	57	liver	hepatocellular carcinoma
29	9,10	f	3	kidney	Wilms' tumor
30	11,12	m	68	kidney	renal cell carcinoma
31	1,2	f	55	ovary	serous adenocarcinoma
32	3,4	f	50	ovary	serous adenocarcinoma
33	5,6	f	28	ovary	mucinous cystadenocarcinoma
34	7,8	f	60	ovary	mucinous adenocarcinoma
35	9,10	f	34	uterus	invasive squamous cell carcinoma
36	11,12	f	50	uterus	invasive squamous cell carcinoma
37	1,2	f	61	endometrium	endometrioid adenocarcinoma
38	3,4	f	70	endometrium	endometrioid carcinoma
39	5,6	f	37	ascending colon	adenocarcinoma
40	7,8	m	64	colon	adenocarcinoma
41	9,10	f	63	rectum	MALToma
42	11,12	m	77	cecum	adenocarcinoma
43	1,2	m	50	skin	dermatofibrosarcoma protuberans
44	3,4	m	30	skin	invasive squamous cell carcinoma

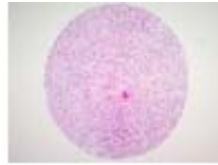
QC sheet_LOT#122120404251
Haematoxylin and Eosin staining



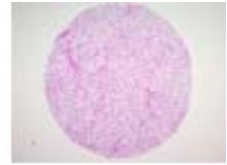
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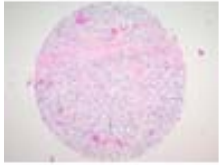
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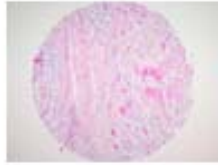
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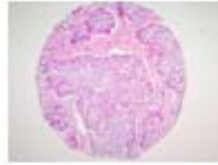
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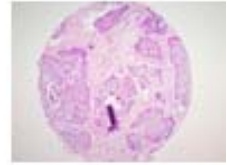
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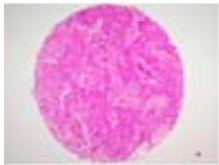
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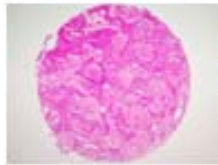
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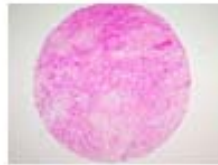
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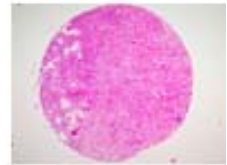
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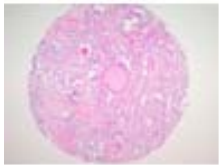
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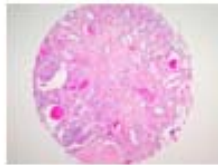
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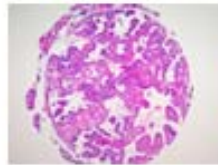
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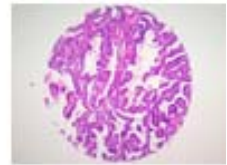
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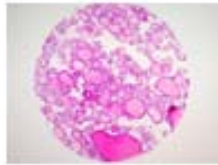
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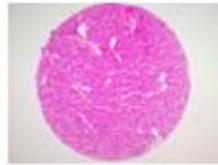
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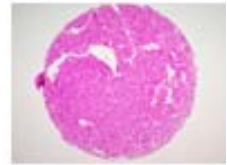
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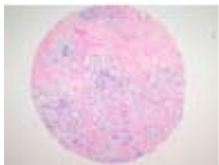
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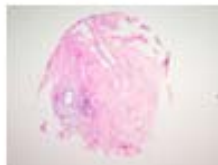
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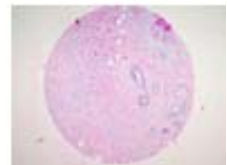
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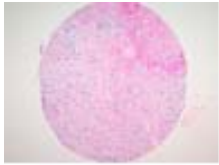


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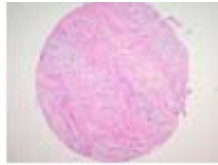


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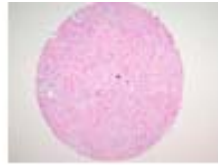
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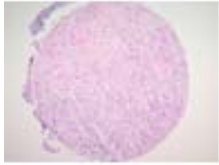
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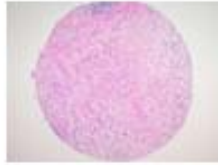
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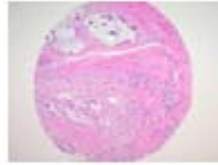
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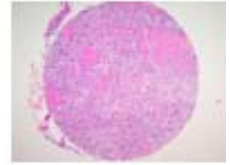
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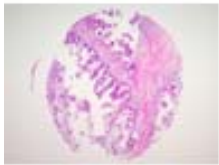
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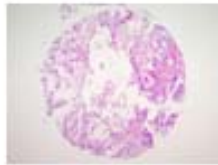
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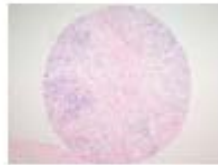
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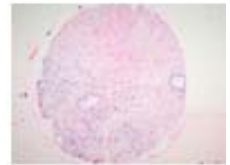
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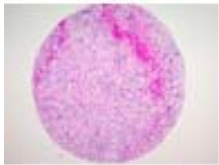
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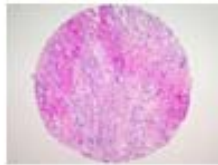
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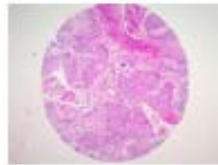
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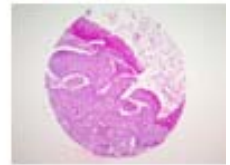
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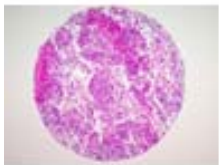
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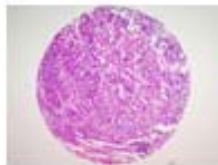
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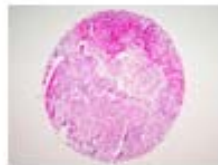
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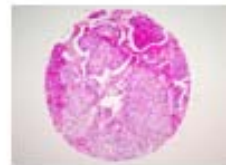
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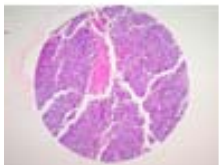
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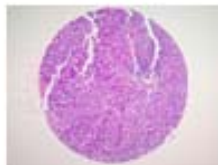
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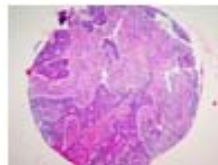
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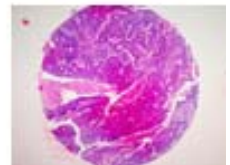
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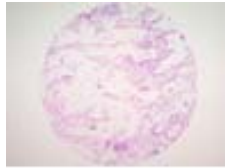


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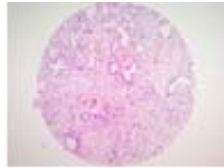


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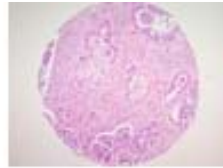
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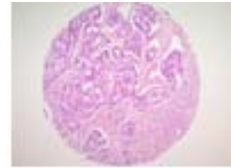
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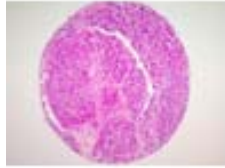
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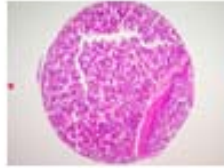
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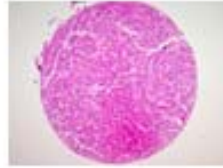
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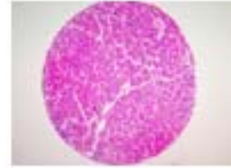
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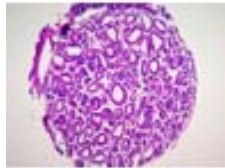
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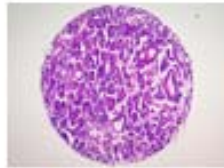
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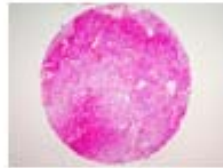
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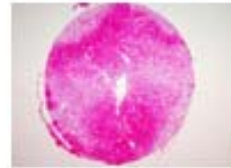
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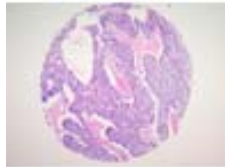
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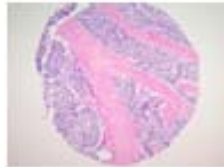
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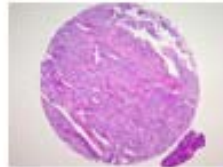
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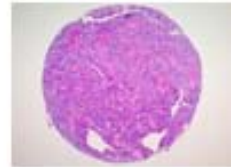
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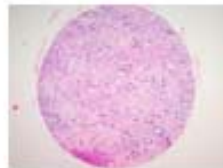
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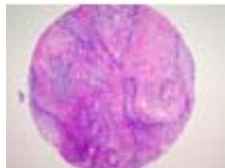
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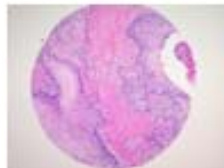
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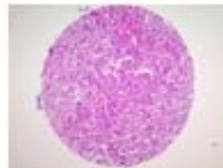
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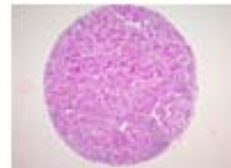
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F10



F11

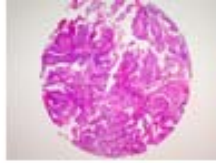


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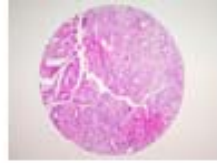
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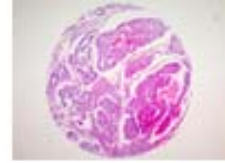
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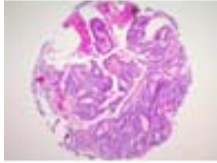
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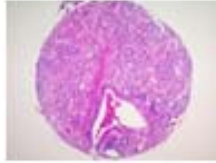
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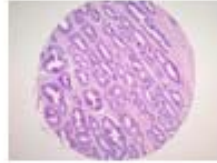
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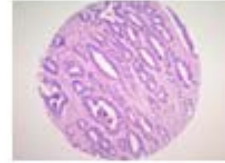
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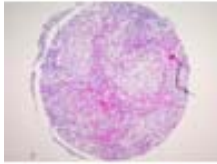
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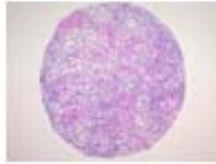
G7



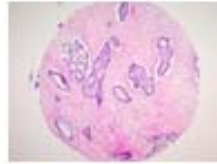
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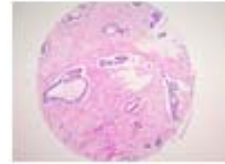
G9



G10



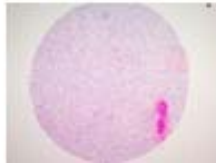
G11



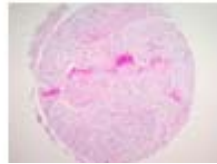
G12



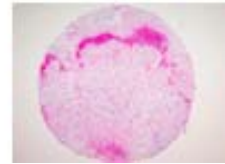
H1



H2



H3



H4

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
1	A	1,2	f	58	brain: glioblastoma	Brain mass, left fronto-temporal, removal: recurrent glioblastoma (with gliosarcomatous component)
2	A	3,4	f	45	cerebrum: glioblastoma	Cerebrum, right temporal lobe, removal of tumor: glioblastoma
3	A	5,6	f	65	esophagus: squamous cell carcinoma	Esophagus, esophagectomy: infiltrative squamous cell carcinoma, moderately differentiated, with 1) size: 4cm in the greatest diameter 2) diffuse growth 3) penetration of muscle layer and extension into adventitia 4) perineural invasion 5) intact resection margins (proximal and distal (stomach))
4	A	7,8	m	59	esophagus: squamous cell carcinoma	Esophagus and stomach, total esophagectomy: fungating squamous cell carcinoma, moderately differentiated, with 1) size: 4x3x1cm 2) infiltrative growth pattern 3) penetration of proper muscle layer and extension to adventitia 4) frequent vascular and neural invasion 5) intact resection margins including proximal (esophagus),distal (stomach) and deep margin, see note. 6) no lymph node metastasis (subcarinial (0/2), paraaortic ascending (0/2), hilar (0/15), perigastric (0/1) and omentum (0/0)) Note: the tumor is so close to deep resection margin (less than 1mm) and shows significant vascular invasion.

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
5	A	9,10	f	65	larynx: invasive squamous cell carcinoma	Larynx with lymph nodes, total laryngectomy with bilateral radical neck dissection: invasive squamous cell carcinoma, moderately differentiated, supraglottic, with extension through epiglottic cartilage into the preepiglottic spaces (maximum invasion depth:9mm) 1) resection margin, superior: extension of carcinoma 2) resection margins, inferior, anterior and posterior: free of tumor 3) salivary gland: free from tumor extension 4) regional lymph nodes of neck: metastasis to 2 out of 106 lymph nodes with perinodal soft tissue extension (No.1 (0/4), No.2 (1/15), No.3 (0/8), No.4 (0/14), No.5 (0/30), No.6 (0/13), No.7 (0/11), No.8 (1/8), No.9 (0/3)) 5) cystic mass, separately submitted: epidermal cyst
6	A	11,12	m	62	larynx: invasive squamous cell carcinoma	Larynx, laryngectomy: invasive squamous cell carcinoma, moderately differentiated, glottic, with extension to the vocalis muscle and cricoid cartilage 1) resection margins, anterior, superior, inferior and medial: free of tumor 2) soft tissue, face, excision: epidermal cyst
7	B	1,2	m	37	thyroid gland: papillary carcinoma	1. Thyroid gland, right, lobectomy: papillary carcinoma (size: 0.8cm) with extension to the perithyroidal fibrofatty tissue 2. Parathyroid gland, biopsy: 1) parathyroid hyperplasia 2) ectopic thymus
8	B	3,4	f	28	thyroid gland: papillary carcinoma	Thyroid, total, thyroidectomy: papillary carcinoma, in both lobe 1) involvement at more than 2/3 of entire parenchyma with 2) extensive invasion into surrounding fibroadipose tissue, and direct extension to some lymph nodes (4/4) 3) lymphovascular invasion 4) metastasis to out 11 of 37 lymph nodes (right level III (0/1), level II and IV (4/16), right level VI (0/4), and perithyroidal (7/16))
9	B	5,6	f	48	thyroid gland: follicular carcinoma	Thyroid gland, thyroidectomy: 1) smaller mass: follicular carcinoma, intrathyroidal 2) larger mass: final report will follow after re-cutting of blocks

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
10	B	7,8	f	61	thyroid gland: follicular carcinoma thyroid gland: papillary carcinoma	Thyroid, thyroidectomy and frozen biopsy: 1) encapsulated follicular carcinoma with capsular and vascular invasion 2) microscopic papillary carcinoma, separated from main tumor (follicular carcinoma)
11	B	9,10	f	49	breast: infiltrating ductal carcinoma	Breast, left, modified radical mastectomy: infiltrating ductal carcinoma with 1) black's nuclear grade 2 (moderately differentiated) 2) modified Bloom-Richardson's histological grade I (tubule formation 1, nuclear pleomorphism 2, mitosis: 1) 3) areas of tubular carcinoma and cribriform carcinoma 4) associated with extensive ductal carcinoma in situ (micropapillary, clining type) and columnar cell changes 5) nipple and areola: Dermal involvement of infiltrating ductal carcinoma 6) nderlying fascia: Involvement of ductal carcinoma in situ 7) regional lymph node, axillary (0/18), level II (0/4):(0/22): free of tumor 8) result of immunohistochemical stains: ER:-, PR:-, C erb B2:-
12	B	11,12	f	46	breast: invasive lobular carcinoma	Breast, left, lumpectomy: invasive lobular carcinoma
13	C	1,2	m	70	stomach: adenocarcinoma	Stomach, small intestine with liver, radical total gastrectomy, segmental resection with wedge resection: 1) adenocarcinoma, poorly differentiated, ulceroinfiltrative type with extension to the perigastric fat tissue and exposure to free serosal surface 2) multifocal lymphovascular permeation 3) liver: focal extension of carcinoma 4) resection margins, proximal (esophagus), distal (small intestine) and liver: free of tumor 5) lymph nodes (3/17): tumor metastasis to 3 out of 17 lymph nodes with perinodal soft tissue extension
14	C	3,4	m	42	stomach: adenocarcinoma	Stomach, radical subtotal gastrectomy: adenocarcinoma, poorly differentiated, ulceroinfiltrative type with extension to the perigastric fat tissue and exposure to free serosal surface (T3) 1) resection margins, proximal and distal: free of tumor 2) lymph nodes, No.3 (0/2), No.4 (1/13), No.5 (0/7), No.6 (0/1), No.7 (0/10), No.8 (0/1):(1/34): tumor metastasis to 1 out of 34 lymph nodes

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
15	C	5,6	m	44	stomach: signet ring cell carcinoma	<p>Stomach, radical subtotal gastrectomy: signet ring cell carcinoma, ulceroinfiltrative type, with extension to the perigastric fat tissue and exposure to free serosal surface</p> <p>1) resection margin, separately submitted as PRM: free of tumor 2) resection margin, DRM: free of tumor 3) lymph nodes, No.3 (0/11), No.4 (0/11), No.6 (0/5), No.7 (0/13) and No.8 (0/3):(0/43): free of tumor</p>
16	C	7,8	m	64	stomach: signet ring cell carcinoma	<p>Stomach, radical subtotal gastrectomy: 1) signet ring cell carcinoma with mucin pool formation (about 30-40% of tumor), ulceroinfiltrative type, and extension to the perigastric fat tissue with exposure to free serosal surface 2) multifocal lymphovascular permeation 3) resection margins, proximal and distal: free of tumor 4) lymph nodes, No.3 (13/16), No.4 (3/3), No.5 (1/1), No.6 (10/10), No.7 (2/2) and No.8 (4/4):(33/36): tumor metastasis to 33 out of 36 lymph nodes with perinodal soft tissue extension</p>
17	C	9,10	m	61	pancreas: adenocarcinoma	<p>Duodenum, pancreas, common bile duct, and gallbladder with cystic duct, PPPD: ductal adenocarcinoma, moderately differentiated, in head of pancreas with</p> <p>1) size: 2.5x2x1cm 2) infiltrative growth 3) extension to periampullary region, and peripancreatic soft tissue 4) frequent perineural invasion 5) duct ectasia, atrophic parenchyma and marked interstitial fibrosis 6) intact resection margins including proximal and distal (duodenum), and common bile duct 7) atypical ductal epithelial hyperplasia at resection margin of pancreas 8) no metastasis to regional lymph nodes (peripancreatic (0/6), pericommmon bile duct (0/2), pericolic (0/3), No.6 (0/5), No.8 (0/5))</p>

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
18	C	11,12	f	86	pancreas: adenocarcinoma	<p>Pancreas, duodenum, CBD, gallbladder, whipple's operation: adenocarcinoma of ductal type, moderately-well differentiated, arising in common bile duct with focal invasion into the adjacent peripancreatic fat and pancreas, focal chronic pancreatitis</p> <p>1) lymph nodes, omentum (0/3), peri-common bile duct (0/3): free of tumor 2) lymph node, No.8 (0/1) : benign reactive lymph node</p> <p>Note: common bile duct resection margin, duodenal and pancreas resection margins are free of tumor involvement.</p>
19	D	1,2	m	48	lung: squamous cell carcinoma	<p>Lung, right, pneumonectomy: squamous cell carcinoma, well differentiated, involving middle and lower lobes, with extensive intravascular invasion and perihilar soft tissue invasion</p> <p>1) resection margins, main bronchus and pulmonary vein : extension of the tumor 2) lymph nodes, regional hilar (7/9), lobar (9/11), inferior pulmonary ligament (1/5), and subclavian (2/2): metastasis in 19 out of 27 nodes</p>
20	D	3,4	m	69	lung: squamous cell carcinoma	<p>Lung, RLL, lobectomy: squamous cell carcinoma, well differentiated, arising from periphery of superior segment and focally extension to the visceral pleura</p> <p>1) resection margin of bronchus: free of tumor 2) lymph nodes, interlobar (0/7) and IPL (0/3): - free of tumor in all 10 lymph nodes - numerous anthracosilicotic nodules</p>
21	D	5,6	m	58	lung: adenocarcinoma	<p>Lung, lobectomy: 1) adenocarcinoma, poorly differentiated, size 2.5x2.4cm, and extension to the visceral pleura 2) surrounding lung: emphysematous change 3) resection margin: free of tumor 4) regional lymph node, peribronchial: free of tumor (0/2)</p>

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
22	D	7,8	m	72	lung: adenocarcinoma	<p>Lung, right, pneumonectomy: adenocarcinoma, poorly differentiated(tumor size: 4x3cm) with marked lymphangitic metastasis to whole upper lobe and lower lobe (M1 stage)</p> <p>1) resection margin, bronchial: free of tumor 2) regional lymph nodes, pretracheal (7/11), tracheobronchial, left (2/3), prevascular (3/4), carinal (1/1), lower paratracheal, right (3/4), subcarinal (7/12), IPL (0/1), upper paratracheal (3/7), peribronchial (6/8):(32/51): tumor metastasis to 32 out of 51 lymph nodes (N3 stage) 3) results of special stains: Mucicarmine:+, Alcian blue:+ 4) results of immunohistochemical stains: NSE:-, Chromogranin A:-, Synaptophysin:-</p>
23	D	9,10	m	66	lymph node: metastatic carcinoma poorly differentiated	<p>Lymph nodes and submandibular gland, left, radical neck dissection:</p> <p>1) lymph nodes, level I (3/5), level IIa (1/2), level IIb (0/7), level III (0/2), level IV (4/7) and level V (1/4):(9/37): metastatic poorly differentiated carcinoma 2) submandibular gland: free of tumor 3) oral mass, separately submitted: involvement of carcinoma 4) results of immunohistochemical stains: Cytokeratin:+, NSE: -, Synaptophysin: -, Chromogranin: -, CD56: -, leukocyte common antigen: -</p>
24	D	11,12	m	70	lymph node: metastatic carcinoma poorly differentiated	<p>Stomach with omentum, total gastrectomy: ulceroinfiltrative adenocarcinoma (AGC type III), moderately differentiated, in body and cardia with</p> <p>1) size: 10x9cm 2) infiltrative growth (by Ming classification) and intestinal type (by Lauren classification) 3) extension to perigastric soft tissue and serosa (T3) 4) vascular and perineural invasions 5) tumor metastasis to 5 out of 26 omental lymph nodes (No.3 (1/1), No.4 (2/6), No.5 (0/1), No.6 (1/2), No.7 (1/1), No.10 (0/0), No.13 (0/15)) 6) multifocal atrophic gastritis with intestinal metaplasia in nonneoplastic mucosa 7) spleen, splenectomy: free from tumor extension 8) pancreas, pancreatectomy: free from tumor extension</p>

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
25	E	1,2	f	68	liver: cholangiocarcinoma liver: adenocarcinoma	<p>1. Liver, right lobe, lobectomy: peripheral cholangiocarcinoma, adenocarcinoma, moderately differentiated with</p> <ol style="list-style-type: none"> 1) size: 5.5x5x5cm 2) moderately and partly mucinous differentiated 3) infiltrative growth 4) extension to right hepatic duct and periductal soft tissue in hilum, and hepatic capsule 5) vascular and perineural invasion 6) extension to resection margin of liver and bile duct <p>2. Gallbladder, cholecystectomy: acute and chronic cholecystitis with extensive mucosal hemorrhage, and erosion</p>
26	E	3,4	m	50	liver: adenocarcinoma	<p>1. Liver and extrahepatic bile duct, right lobectomy: adenocarcinoma, moderately differentiated, in common hepatic duct of hilum</p> <ol style="list-style-type: none"> 1) size: 1.2x1x1cm 2) infiltrative growth 3) extension to periductal soft tissue and liver 4) vascular invasion 5) extension to resection margin of common bile duct 6) intact resection margin of left hepatic duct 7) liver: Marked cholestasis approaching to biliary cirrhosis. <p>2. Liver, caudate lobe, biopsy: adenocarcinoma, moderately differentiated, with involvement at resection margin</p> <p>3. Gallbladder: free from tumor extension</p>

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
27	E	5,6	m	71	liver: hepatocellular carcinoma	<p>1. Liver, lateral segment, segmentectomy: hepatocellular carcinoma with</p> <ol style="list-style-type: none"> 1) size 2x1.5x1.3cm 2) single nodular type 3) expanding growth pattern 4) Edmondson-Steiner grade II 5) predominantly adenoid pattern 6) intact resection margin 7) non-neoplastic liver showing chronic hepatitis, C viral, with mild inflammatory activity (grade II) and periporta fibrosis (stage II) by Ludwig classification <p>2. Gallbladder, cholecystectomy: chronic cholecystitis with stones</p>
28	E	7,8	m	57	liver: hepatocellular carcinoma	<p>1. Liver, segmentectomy: hepatocellular carcinoma with</p> <ol style="list-style-type: none"> 1) size: 3.5x3.2x2.3cm 2) histologic type: trabecular type 3) Edmondson grade III with perinodal spread 4) single nodular type 5) vascular invasion 6) necrosis: approximately 60% of total volume 7) intact hepatic resection margin 8) chronic hepatitis, B-viral, with moderate inflammatory activity (grade III) and early cirrhosis (stage III) showing multiple dysplastic nodules <p>2. Gallbladder, cholecystectomy: no pathological diagnosis</p> <p>3. Soft tissue, separately submitted: fat necrosis with calcification</p>

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
29	E	9,10	f	3	kidney: Wilms' tumor	<p>1. Kidney, left, nephrectomy: Wilms' tumor 1) triphasic, epithelial predominant pattern 2) absence of anaplasia 3) confined to the renal capsule</p> <p>2. Ureter and blood vessels: free of tumor</p> <p>3. Lymph nodes, hilar (0/2): free of tumor</p> <p>4. Lymph nodes, separately submitted as paraaortic (0/6): free of tumor</p> <p>5. Adrenal gland: no pathological diagnosis</p> <p>6. Appendix, appendectomy: lymphoid hyperplasia</p>
30	E	11,12	m	68	kidney: renal cell carcinoma	<p>1. Kidney, right radical nephrectomy: renal cell carcinoma, conventional clear cell type (Fuhrman's nuclear grade II), confined to renal capsule 1) resection margin, ureter: free of tumor 2) blood vessel (renal vein and artery): free of tumor</p> <p>2. Adrenal gland: free of tumor</p> <p>3. Appendix, incidental appendectomy: no pathological diagnosis</p> <p><Additional report> EM> ultrastructural features of the tumor are well compatible with renal cell carcinoma of clear cell type, showing abundant lipid vacuoles and glycogens in cytoplasm</p>
31	F	1,2	f	55	ovary: serous adenocarcinoma	<p>1. Uterus, total abdominal hysterectomy with bilateral salpingoophorectomy: 1) cervix: high grade squamous intraepithelial lesion (CIN III, carcinoma in situ) 2) endometrium: atrophy 3) myometrium: - leiomyoma - serosal invasion by ovarian adenocarcinoma</p> <p>4) parametrium: extension of adenocarcinoma</p> <p>5) ovaries, bilateral: mixed carcinoma composing papillary serous adenocarcinoma, grade 3, with clear cell carcinoma, with extraovarian spread</p> <p>6) fallopian tubes, both: serosal extension of adenocarcinoma</p> <p>2. Urinary bladder, colon, cul-de-sac and omentum: extension of adenocarcinoma</p>

A201 (II): Various cancer tissues

No.	Coordinate	Sex	Age	Key word	Histological Diagnosis
32	F 3,4	f	50	ovary: serous adenocarcinoma	<p>Uterus including both adnexae, total abdominal hysterectomy with bilateral salpingoophorectomy:</p> <ol style="list-style-type: none"> 1) cervix: chronic nonspecific inflammation 2) endometrium: secretory phase 3) myometrium: leiomyoma, subserosal 4) ovary and fallopian tube, right: serous papillary adenocarcinoma, poorly differentiated (grade 3) probably arising from fallopian tube and extension to the paraovarian and ovarian tissue 5) ovary, left: corpus luteum 6) fallopian tube, left: no pathological diagnosis 7) parametriums, bilateral: free of tumor. 8) lymph nodes, right pelvic (0/2) and left pelvic (0/2): <ul style="list-style-type: none"> - free of tumor metastasis in all 4 nodes - endosalpingiosis - chronic granulomatous inflammation, see note 9) omentum, partial omentectomy: chronic granulomatous inflammation <p>Note: To rule out tuberculosis, Ziehl-Neelsen's stain is ongoing, and the result will follow.</p>
33	F 5,6	f	28	ovary: mucinous cystadenocarcinoma	<ol style="list-style-type: none"> 1. Ovary and fallopian tube, left, salpingoophorectomy: <ol style="list-style-type: none"> 1) ovary: mucinous cystadenocarcinoma confined within the capsule 2) fallopian tube: free of tumor 2. Ovary, right, partial oophorectomy: mesothelial hyperplasia without tumor 3. Soft tissue, right and left, paracolic gutter, right retroperitoneum: chronic nonspecific inflammation without tumor 4. Omentum, partial omentectomy: chronic nonspecific inflammation with mesothelial hyperplasia

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
34	F	7,8	f	60	ovary: mucinous adenocarcinoma	<p>Uterus including both adnexae, total abdominal hysterectomy with bilateral salpingoophorectomy:</p> <ol style="list-style-type: none"> 1) cervix: chronic nonspecific inflammation with squamous metaplasia 2) endometrium: cystic atrophy 3) myometrium: no pathological diagnosis 4) ovaries, both: mixed carcinoma composing mucinous adenocarcinoma and transitional cell carcinoma, high grade, bilateral, with extension beyond ovarian capsule 5) fallopian tubes, both: free of tumor 6) parametria, both: free of tumor 7) omentum, partial omentectomy: free of tumor 8) result of special stains: Mucicarmine: + Alcian blue: + 9) result of immunohistochemical stain and special stains: CK7: +, CK20: -, Vimentin: -
35	F	9,10	f	34	uterus: invasive squamous cell carcinoma	<p>Uterus with lymph nodes, pelvic, radical abdominal hysterectomy with dissection:</p> <ol style="list-style-type: none"> 1) cervix: Invasive squamous cell carcinoma, large cell, keratinizing (invasion depth: 1.1cm) with focal lymphovascular permeation 2) endometrium: proliferative phase 3) myometrium: adenomyosis 4) parametria, bilateral: free of tumor 5) vaginal cuff: free of tumor 6) lymph nodes, right pelvic (0/4), left pelvic (0/6), regional (0/2):(0/12): free of tumor
36	F	11,12	f	50	uterus: invasive squamous cell carcinoma	<p>Uterus with adnexae, bilateral, radical abdominal hysterectomy with bilateral salpingoophorectomy:</p> <ol style="list-style-type: none"> 1) cervix: invasive squamous cell carcinoma, large cell, nonkeratinizing (maximum invasion depth: 1.4cm) with multifocal lymphovascular permeation 2) endometrium: proliferative phase 3) myometrium: no pathological diagnosis 4) ovaries, bilateral: no pathological diagnosis 5) fallopian tubes, bilateral: no pathological diagnosis 6) parametria, bilateral: free of tumor 7) vaginal cuff: free of tumor 8) lymph nodes, paraaortic (0/4), right pelvic (0/7), left pelvic (0/18) and regional (0/2):(0/31): free of tumor

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
37	G	1,2	f	61	endometrium: endometrioid adenocarcinoma	<p>Uterus including both adnexae, total abdominal hysterectomy with bilateral salpingoophorectomy:</p> <ol style="list-style-type: none"> 1) cervix: chronic nonspecific inflammation with erosion 2) endomyometrium: endometrioid adenocarcinoma, grade 2, associated with simple hyperplasia (type I), with superficial myometrial invasion (depth of invasionL 1/17mm) 3) ovaries and fallopian tubes, both: no pathological diagnosis 4) parametria, both: free of tumor 5) lymph nodes, right pelvic(0/17), left pelvic(0/11) and paraaortic (0/15): free of tumor metastasis in all 43 lymph nodes
38	G	3,4	f	70	endometrium: endometrioid carcinoma	<p>Uterus with both adnexae, total abdominal hysterectomy with bilateral salpingoophorectomy:</p> <ol style="list-style-type: none"> 1) cervix: Chronic nonspecific inflammation 2) endomyometrium: Endometrioid carcinoma, with <ul style="list-style-type: none"> - grade 1 - type I - superficial myometrial invasion (depth of invasion: 3/12mm) - no vascular invasion 3) ovaries, bilateral: no pathological diagnosis 4) fallopian tubes, bilateral: no pathological diagnosis 5) parametria, bilateral: free of tumor 6) vaginal cuff: free of tumor 7) lymph nodes, right pelvic (0/6), left pelvic (0/10) and paraaortic (0/5): free of tumor metastasis in all 21 nodes
39	G	5,6	f	37	ascending colon: adenocarcinoma	<p>Ascending colon, right hemicolectomy:</p> <p>adenocarcinoma, moderately differentiated with mucin pool formation (about 30% of tumor), fungating type and extension to the pericolic fat tissue</p> <ol style="list-style-type: none"> 1) resection margins, proximal and distal: free of tumor 2) lymph nodes, regional(4/31): tumor metastasis to 4 out of 31 lymph nodes 3) appendix: free of tumor

A201 (II): Various cancer tissues

No.	Coordinate	Sex	Age	Key word	Histological Diagnosis																					
40	G 7,8	m	64	colon: adenocarcinoma	<p>Colorectum with pericolic fatty tissue and terminal ileum, total proctocolectomy:</p> <ol style="list-style-type: none"> Distal mass: ulcerofungating adenocarcinoma, moderately differentiated with <ol style="list-style-type: none"> size: 4.8x4cm infiltrative growth penetration of sphincteric muscle and extension to perirectal soft tissue intact lateral resection margin no vascular and perineural invasion Middle mass: ulcerofungating adenocarcinoma, moderately differentiated, with <ol style="list-style-type: none"> size: 3.3x2.5cm extension to the inner muscle no vascular invasion Proximal mass: tubulovillous adenoma with low grade dysplasia Scattered polypoid lesions: tubular adenomas with low to high grade dysplasia Resection margins, proximal, distal and lateral: free of tumor Lymph node: metastatic adenocarcinoma in 5 out of 68 nodes(5/68), in detail, pericolic lymph node(5/63), principal lymph node (0/5) Appendix: free of tumor <p><MSI(Microsatellite instability) test ></p> <table> <tr> <td>Marker Name</td> <td>bat26</td> <td>D5S346</td> <td>bat25</td> <td>D17S250</td> <td>D2S123</td> <td>판독</td> </tr> <tr> <td>Microsatellite instability</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td>MSS</td> </tr> <tr> <td>Allelic</td> <td>uninformative</td> <td>uninformative</td> <td>uninformative</td> <td>No Imbalance</td> <td></td> <td></td> </tr> </table>	Marker Name	bat26	D5S346	bat25	D17S250	D2S123	판독	Microsatellite instability	No	No	No	No	No	MSS	Allelic	uninformative	uninformative	uninformative	No Imbalance		
Marker Name	bat26	D5S346	bat25	D17S250	D2S123	판독																				
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Allelic	uninformative	uninformative	uninformative	No Imbalance																						

A201 (II): Various cancer tissues

No.	Coordinate		Sex	Age	Key word	Histological Diagnosis
41	G	9,10	f	63	rectum: MALToma	<p>Rectum, abdominoperineal resection: marginal zone B cell lymphoma, extranodal (= lymphoma of mucosaassociated lymphoid tissue) with focal sheet-like proliferation of transformed cells and associated with dense collagenous fibrosis and involving whole layer of rectum and vagina, see note.</p> <p>1) lymph nodes, regional (8/15): involvement of lymphoma 2) soft tissue, separately submitted as principal node(superior hemorrhoidal anus): free of tumor 3) results of Immunohistochemical stain: CD20, CD79a: +, CD43: focal +, CD3, CD5: -, IgG, IgA, IgM, Kappa and Lambda: fails to demonstrate monoclonality Note: This tumor should be diagnosed as diffuse large B cell lymphoma when sheet-like proliferation of transformed cells are present in new WHO classification, 2001.</p>
42	G	11,12	m	77	cecum: adenocarcinoma	<p>Cecum and ascending colon, right hemicolectomy:</p> <p>1) adenocarcinoma, moderately differentiated with mucin pool formation and extension to the pericolic fat tissue 2) extension into the terminal ileum and focal lymphovascular permeation of carcinoma 3) tubular adenomas, multiple 4) resection margins, proximal and distal: free of tumor 5) lymph nodes, mesentery (0/13): free of tumor 6) appendix: no pathological diagnosis</p>
43	H	1,2	m	50	skin: dermatofibrosarcoma protuberans	<p>Skin, lower back, wide excision:</p> <p>1) dermatofibrosarcoma protuberans 2) resection margin: free of tumor</p>
44	H	3,4	m	30	skin: invasive squamous cell carcinoma	<p>Skin, scalp, excision: invasive squamous cell carcinoma, well-differentiated with extension to the subcutaneous fat tissue (invasion depth: about 3cm)</p> <p>1) resection margins, all circumference and base: free of tumor 2) lymph nodes, level 2a (0/36), level 2b (0/11), level III (0/25), level IV (0/13) and level V (0/11):(0/96): free of tumor</p>