

Specifications:

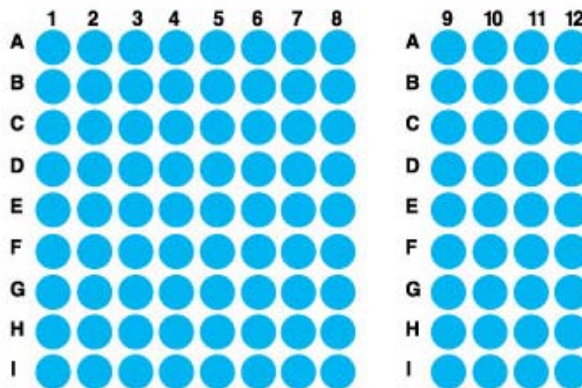
- No. of cases: 54
- Tissue type: Normal tissues – more than single spot
- No. of spots: 2 spots from each cancer case (108 spots)

- Total spots: 108
- Diameter: 1.0 mm

Documents:

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

Layout:



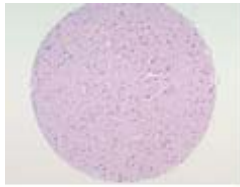
Summary of tissue spots

No	Coordinate	Sex	Age	Key word	
1	A	1,2	m	64	Cerebral cortex : non-neoplastic
2		3,4	m	64	Cerebellum : non-neoplastic
3		5,6	m	64	Basal ganglia : non-neoplastic
4		7,8	m	64	Hipocampus : non-neoplastic
5		9,10	f	72	Spinal cord : non-neoplastic
6		11,12	f	29	Peripheral nerve : non-neoplastic
7	B	1,2	f	0	Spleen : non-neoplastic
8		3,4	m	44	Tonsil : non-neoplastic
9		5,6	f	41	Parathyroid : non-neoplastic
10		7,8	f	46	Thyroid gland : non-neoplastic
11		9,10	m	70	Larynx : non-neoplastic
12		11,12	m	61	Hypopharynx : non-neoplastic
13	C	1,2	m	40	Salivary gland : non-neoplastic
14		3,4	m	29	Lymph node : non-neoplastic
15		5,6	f	34	Blood vessel : non-neoplastic
16		7,8	m	64	Heart : non-neoplastic
17		9,10	m	28	Skin : non-neoplastic
18		11,12	m	58	Skeletal muscle : non-neoplastic
19	D	1,2	m	68	Bronchus : non-neoplastic
20		3,4	m	68	Lung : non-neoplastic
21		5,6	f	51	Breast : non-neoplastic
22		7,8	f	67	Liver : non-neoplastic
23		9,10	f	34	Bile duct : non-neoplastic
24		11,12	f	30	Gall bladder : non-neoplastic
25	E	1,2	f	64	Pancreas : non-neoplastic
26		3,4	m	44	Esophagus : non-neoplastic
27		5,6	f	46	Stomach fundic : non-neoplastic
28		7,8	m	54	Duodenum : non-neoplastic
29		9,10	f	60	Jejuni : non-neoplastic
30		11,12	f	37	Ileum : non-neoplastic
31	F	1,2	m	32	Appendix : non-neoplastic
32		3,4	f	34	Cecum : non-neoplastic
33		5,6	f	80	Colon : non-neoplastic
34		7,8	m	55	Rectum : non-neoplastic
35		9,10	m	51	Prostate : non-neoplastic
36		11,12	m	19	Testis : non-neoplastic

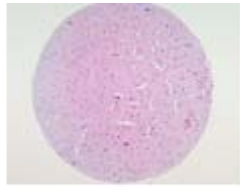
Summary of tissue spots

No	Coordinate	Sex	Age	Key word	
37	G	1,2	f	43	Exocervix : non-neoplastic
38		3,4	f	43	Endocervix : non-neoplastic
39		5,6	f	43	Pro-endometrium : non-neoplastic
40		7,8	f	30	Decidua : non-neoplastic
41		9,10	f	37	Myometrium : non-neoplastic
42		11,12	f	26	Sec-endometrium : non-neoplastic
43	H	1,2	f	39	Placenta amnion : non-neoplastic
44		3,4	f	39	Placenta chorionvilli : non-neoplastic
45		5,6	f	39	Placenta basal plate : non-neoplastic
46		7,8	f	27	Umbilical cord : non-neoplastic
47		9,10	f	46	Ovary : non-neoplastic
48		11,12	f	40	Fallopian tube : non-neoplastic
49	I	1,2	f	53	Kidney cortex : non-neoplastic
50		3,4	f	53	Kidney medulla : non-neoplastic
51		5,6	f	66	Adrenal cortex : non-neoplastic
52		7,8	m	55	Adrenal medulla : non-neoplastic
53		9,10	f	34	Ureter : non-neoplastic
54		11,12	m	44	Urinary bladder : non-neoplastic

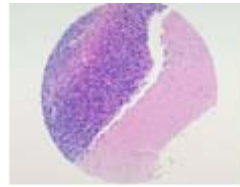
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Hematoxylin and Eosin staining



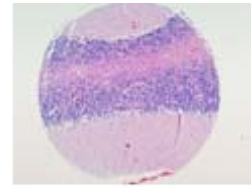
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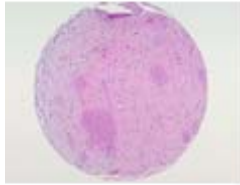
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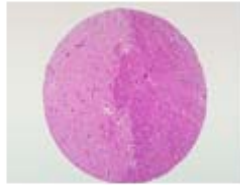
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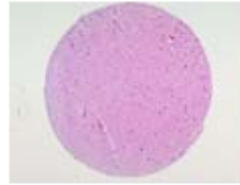
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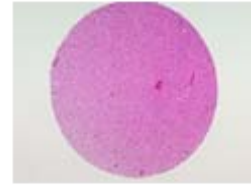
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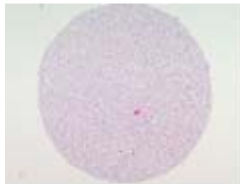
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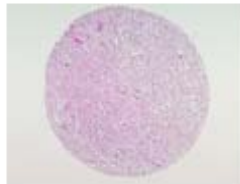
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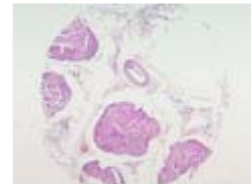
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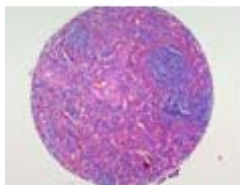
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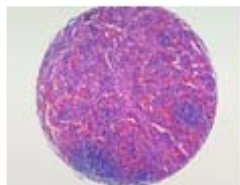
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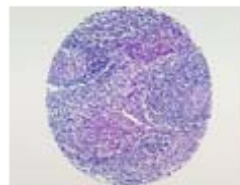
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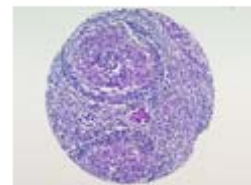
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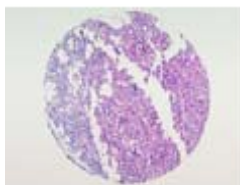
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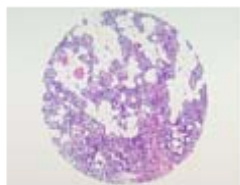
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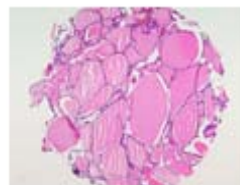
B4



B5



B6



B7



B8



B9



B10

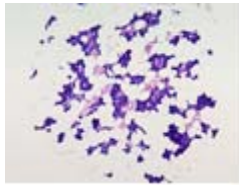


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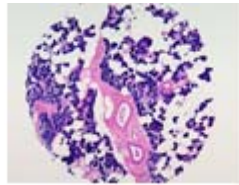


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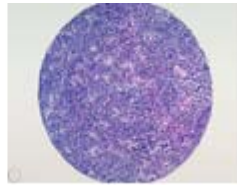
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Hematoxylin and Eosin staining



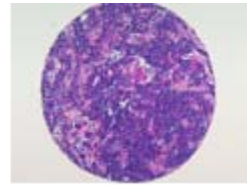
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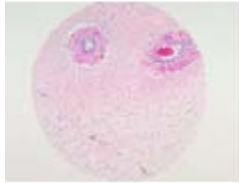
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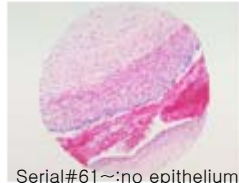
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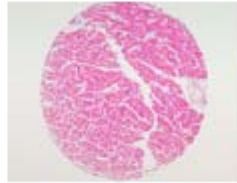


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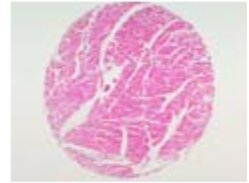


Serial#61~:no epithelium

C6



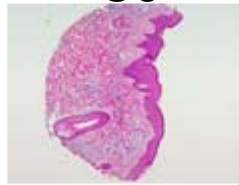
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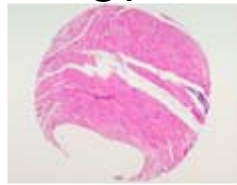
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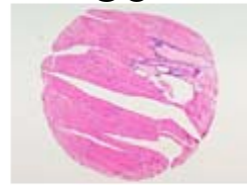
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C10



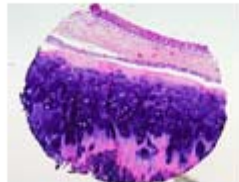
C11



C12



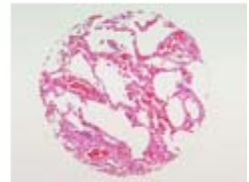
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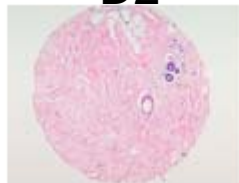
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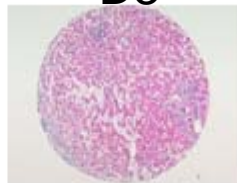
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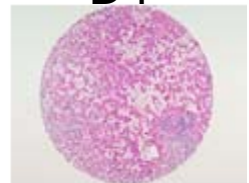
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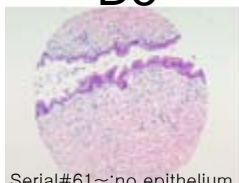
D6



D7



D8



Serial#61~:no epithelium

D9



D10

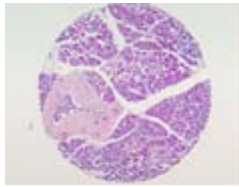


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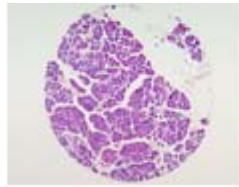


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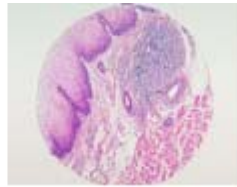
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Hematoxylin and Eosin staining



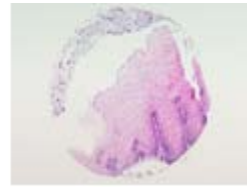
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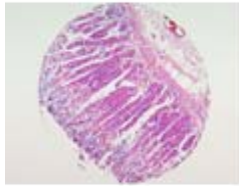
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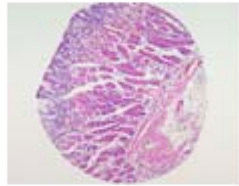
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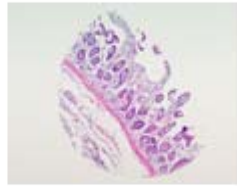
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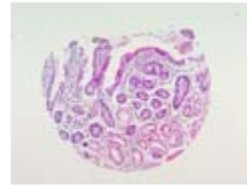
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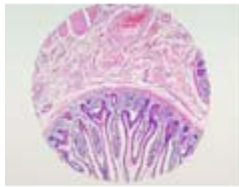
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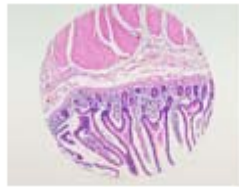
E7



E8



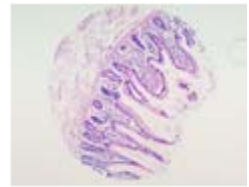
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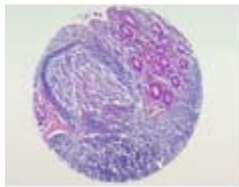
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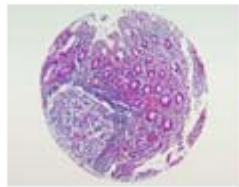
E11



E12



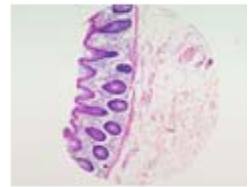
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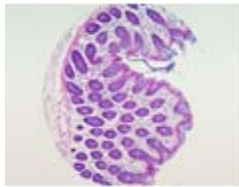
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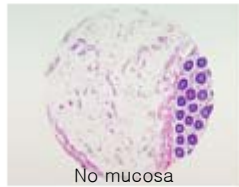
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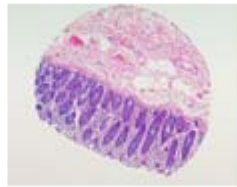
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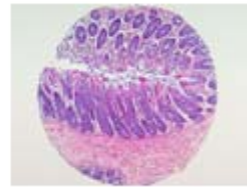
F5



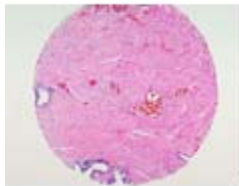
F6



F7



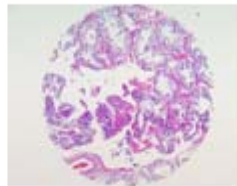
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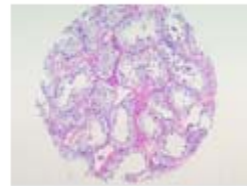
F9



F10

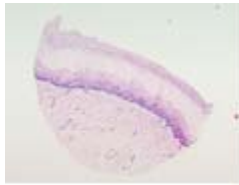


F11

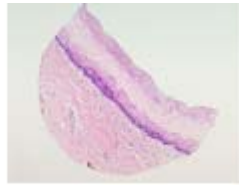


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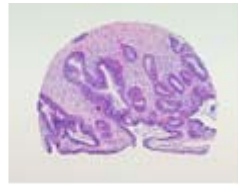
QC sheet_LOT#112120409041
Hematoxylin and Eosin staining



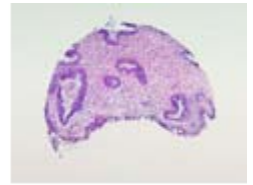
G1



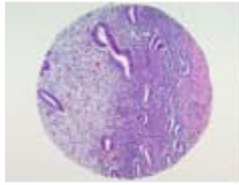
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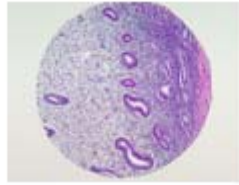
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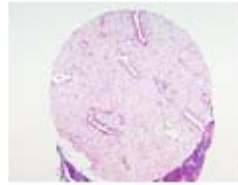
G4



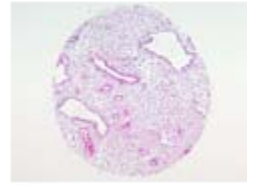
G5



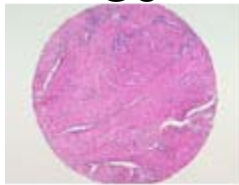
G6



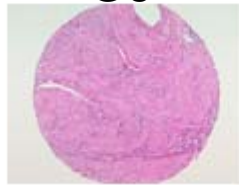
G7



G8



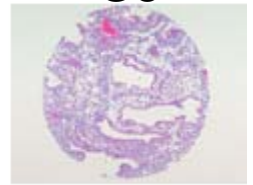
G9



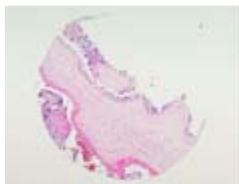
G10



G11



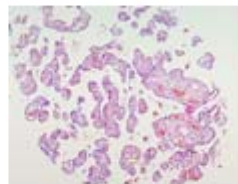
G12



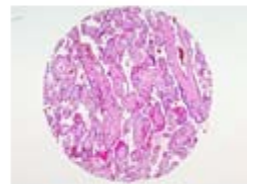
H1



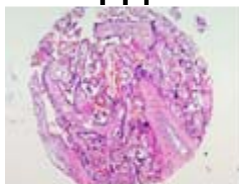
H2



H3



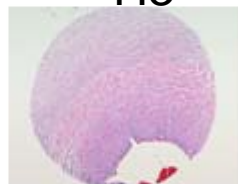
H4



H5



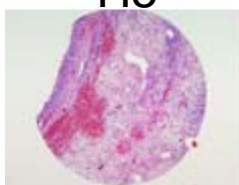
H6



H7



H8



H9



H10

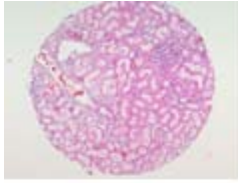


H11

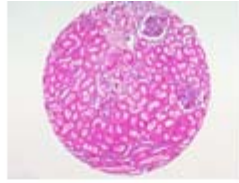


H12

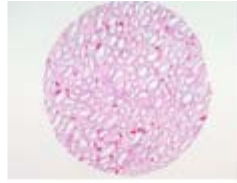
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Hematoxylin and Eosin staining



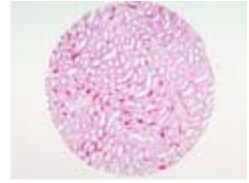
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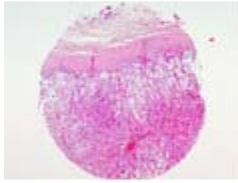
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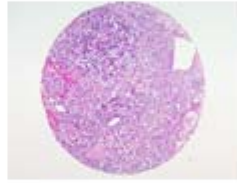
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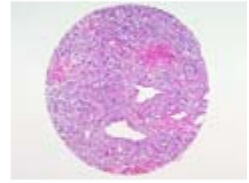
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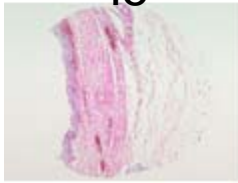
I6



I7



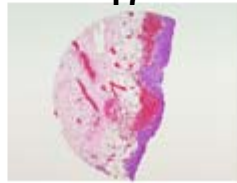
I8



I9



I10



I11



I12

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
1	A 1,2	m	64	cerebral cortex : non-neoplastic	Autopsy
2	A 3,4	m	64	cerebellum : non-neoplastic	Autopsy
3	A 5,6	m	64	basal ganglia : non-neoplastic	Autopsy
4	A 7,8	m	64	hipocampus : non-neoplastic	Autopsy
5	A 9,10	f	72	spinal cord : non-neoplastic	Autopsy
6	A 11,12	f	29	peripheral nerve : non-neoplastic	Autopsy
7	B 1,2	f	0	spleen : non-neoplastic	<p>1. Pancreas, distal pancreatectomy: thin walled unilocular cyst lined by acellular collagenous tissue and surrounding dysgenetic duct structures, highly suggestive of congenital(dysgenetic) cyst, see note.</p> <p>2. Spleen, splenectomy: no pathological diagnosis.</p> <p>3. Appendix, appendectomy: no pathological diagnosis.</p> <p>Note: Generally, congenital cyst is lined by small non mucin producing cuboidal cells with a fibrous wall. In this case, there is no lining epithelium which is important to make a diagnosis. However, the possibility of congenital(dysgenetic) cyst is highly suggested in consideration of patient's age, histology of surrounding pancreatic tissue and gross finding.</p>
8	B 3,4	m	44	tonsil : non-neoplastic	<p>1. Larynx, polypectomy: polyp</p> <p>2. Tonsils, bilateral, tonsillectomy: chronic follicular tonsillitis.</p>
9	B 5,6	f	41	parathyroid : non-neoplastic	<p>Thymus and parathyroid gland, excision:</p> <p>1) thymus: no pathological diagnosis</p> <p>2) parathyroid gland: no pathological diagnosis.</p>
10	B 7,8	f	46	thyroid gland : non-neoplastic	<p>Thyroid, left, thyroidectomy:</p> <p>papillary carcinoma with extrathyroidal extension to the perithyroidal skeletal muscle.</p>

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
11	B 9,10	m	70	larynx : non-neoplastic	<p>1. Larynx, supracricoid partial laryngectomy: invasive squamous cell carcinoma, moderately differentiated, in transglottic area with</p> <ol style="list-style-type: none"> 1) size: 3x2x1.4cm 2) expanding growth 3) penetration of thyroid cartilage and extension to soft tissue anteriorly presented 4) no vascular invasion 5) intact resection margins including upper, lower, anterior and posterior resection margins, see note 6) metastasis to 3 out of 63 regional lymph nodes (left level I(0/7), left level II(0/6), left level III(2/6), left level IV(1/7), left level V(0/6), right level II(0/4), right level III(0/13), and right level IV(0/14)) <p>2. Salivary gland, submandibular, separately submitted: free from tumor extension.</p>
12	B 11,12	m	61	hypopharynx : non-neoplastic	<p>Hypopharynx, larynx, esophagus, total laryngopharyngoesophagectomy and neck dissection: moderately differentiated squamous cell carcinoma arising from hypopharynx(left pyriform sinus) with</p> <ol style="list-style-type: none"> 1) extension to the submucosal layer of pharynx (but not involve skeletal muscle of the hypopharynx), and adjacent cricoid cartilage 2) presence of perineural invasion 3) esophagus: free of tumor 4) resection margin, superior(pharynx), inferior(esophagus), tracheal and deeper: free of tumor 5) lymph nodes, left level I(0/4), left level II(1/2), left level III (2/8), left level IV(0/16), left level V(0/4), right level II(0/9), right level III(0/14), right level IV(0/12), peripharyngeal(1/2), perithyroidal(0/1):(4/72): tumor metastasis in 4 out of 72 lymph nodes without capsular rupture 6) thyroid gland - free of tumor - presence of a lobe of parathyroid gland 7) parotid gland: free of tumor.
13	C 1,2	m	40	salivary gland : non-neoplastic	Salivary gland, parotid, parotidectomy: pleomorphic adenoma.

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
14	C 3,4	m	29	lymph node : non-neoplastic	Ascending colon, appendix and terminal ileum, right, hemicolectomy: 1) low grade mucosal damage and mild proliferation of Peyer's patch 2) appendix: acute appendicitis, minimal 3) regional lymph nodes, pericolic: reactive hyperplasia.
15	C 5,6	f	34	blood vessel : non-neoplastic	Placenta, delivery: twin placenta, see note. 1)- obliterative endarteritis with chorangiosis, consistent with fetal hypoxia. - meconium staining - acute chorionitis - umbilical cord: no pathological diagnosis 2)- obliterative endarteritis with chorangiosis, and infarction, consistent with fetal hypoxia - umbilical cord: No pathological diagnosis Note: It is difficult to determine the type of twin placenta because of distortion and rupture of one placenta.
16	C 7,8	m	64	heart : non-neoplastic	Autopsy
17	C 9,10	m	28	skin : non-neoplastic	Skin, scalp, excision: invasive squamous cell carcinoma, well-differentiated with extension to the subcutaneous fat tissue (invasion depth: about 3cm) 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.
18	C 11,12	m	58	skeletal muscle : non-neoplastic	Skin and soft tissue, popliteal, left, excision: 1) malignant peripheral nerve sheath tumor(malignant schwannoma), completely excised

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
19	D 1,2	m	68	bronchus : non-neoplastic	<p>Lung, right, pneumonectomy:</p> <p>1) upper lobe: squamous cell carcinoma, moderately differentiated, with</p> <ul style="list-style-type: none"> - extension to the visceral pleura - marked central necrosis - tumor size: 6.3x5.5cm - obstructive pneumonitis in the remaining lung <p>2) lower lobe: lobar pneumonia</p> <p>3) resection margin: free of tumor</p> <p>4) regional lymph nodes: free of tumor in all nodes(0/13), in detail, subcarinal(0/6), lower paratracheal(0/2), regional (0/5).</p>
20	D 3,4	m	68	lung : non-neoplastic	<p>Lung, right, pneumonectomy:</p> <p>1) upper lobe: squamous cell carcinoma, moderately differentiated, with</p> <ul style="list-style-type: none"> - extension to the visceral pleura - marked central necrosis - tumor size: 6.3x5.5cm - obstructive pneumonitis in the remaining lung <p>2) lower lobe: lobar pneumonia</p> <p>3) resection margin: free of tumor</p> <p>4) regional lymph nodes: free of tumor in all nodes(0/13), in detail, subcarinal(0/6), lower paratracheal(0/2), regional (0/5).</p>
21	D 5,6	f	51	breast : non-neoplastic	<p>Breast mass, left, excision(FS):</p> <p>invasive and in-situ lobular carcinoma with extensive involvement of terminal ducts.</p> <p>Note: The estimated size of the main mass(on the slide) is 1.5cm. Extensive terminal ductal involvement is noted outside of the main mass. The resection margin is involved by tumor on permanent section.</p> <p>Results of immunohistochemistry: ER(+), PR(+), C-erb B2(-).</p>

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
22	D 7,8	f	67	liver : non-neoplastic	<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>
23	D 9,10	f	34	bile duct : non-neoplastic	<p>1. Liver, left lobe, lobectomy: intrahepatic stone with chronic inflammation, ductal epithelial hyperplasia, periductal fibrosis and periglandular hyperplasia and cholestasis</p> <p>2. Gallbladder, cholecystectomy, separately submitted: chronic cholecystitis</p> <p>3. Liver, clinically from stenotic site from left main duct, separately submitted: marked periductal fibrosis.</p>
24	D 11,12	f	30	gall bladder : non-neoplastic	<p>1. Gallbladder, cholecystectomy: chronic cholecystitis, mild</p> <p>2. Common bile duct, segmental resection: choledochal cyst with chronic inflammation and focal epithelial low grade dysplasia.</p>

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
25	E 1,2	f	64	pancreas : non-neoplastic	<p>Stomach, duodenum, common bile duct, gallbladder with cystic duct and pancreas, Whipple's operation:</p> <ol style="list-style-type: none"> 1. Pancreas: Endocrine carcinoma, low grade with <ol style="list-style-type: none"> 1) size: 3x2.5x2.5cm 2) well demarcated but not encapsulated appearance(expanding growth) 3) trabecular histologic type 4) rare mitotic figure: less than 1/10HPF 5) angioinvasion 6) extension to peripancreatic soft tissue and lymph node 7) intact resection margins including proximal (stomach), distal(duodenum), common bile duct and pancreatic margin 8) Free from tumor extension of all lymph nodes (peripancreatic(0/7), perigastric(0/6), periductal (0/1), and No.13(0/1)) 2. Gallbladder: autolysis without tumor extension. 3. Stomach: chronic atrophic gastritis with intestinal metaplasia and no extension of the tumor. 4. Duodenum: free from tumor extension. 5. Results of immunohistochemical staining Synaptophysin, Chromogranin, S-100 protein: Positive reaction Cytokeratin, insulin: Negative reaction Glucogen: Equivocal positive reaction
26	E 3,4	m	44	esophagus : non-neoplastic	<p>Stomach and esophagus, proximal gastrectomy: leiomyoma, benign.</p> <ol style="list-style-type: none"> 1) resection margins, proximal and distal: free from tumor extension 2) regional lymph nodes, perigastric(0/13): reactive hyperplasia. 3) Results of immunohistochemical staining c-kit, CD34, S-100 protein: negative reactivities, Actin: positive reactivity.

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
27	E 5,6	f	46	stomach fundic : non-neoplastic	<p>1. Stomach, total gastrectomy: signet ring cell carcinoma, ulceroinfiltrating type with</p> <ol style="list-style-type: none"> 1) size: 3.5x4cm 2) exposure to the free serosal surface (T3) 3) diffuse type by Lauren's classification and infiltrating type by Ming classification 4) lymphovascular invasion and perineural invasion: positive 5) surrounding gastric mucosa: chronic gastritis 6) resection margins, proximal and distal: free of tumor. 7) lymph nodes: metastatic carcinoma in 3 out of 52 lymph nodes(3/52) with perinodal soft tissue extension, in detail(No.3(0/15), No.4 (0/8), No.5(0/1), No.6(0/7), No.7(0/8), No.8(0/4), No.9(0/2), No.10(3/5), No.12(0/1), No.14(0/1)). <p>2. Spleen, splenectomy: free of tumor.</p>
28	E 7,8	m	54	duodenum : non-neoplastic	<p>Stomach with omentums, radical subtotal gastrectomy: ulcerofungating carcinoma (Borrmann type II), mucinous carcinoma, in pylorus and distal antrum with</p> <ol style="list-style-type: none"> 1) size: 9x6cm 2) expanding growth 3) extension to outer muscle layer (confined to proper muscle layer) 4) intact proximal and distal resection margins 5) no metastasis to regional omental lymph nodes (No.3(0/6), No.4(0/4), No.5(0/0), No.6(0/19), No.7(0/7), No.8(0/5), No.9(0/4), No.11(0/8), and No.12(0/2)) 6) multifocal atrophic gastritis with intestinal metaplasia in nonneoplastic mucosa.
29	E 9,10	f	60	jejuni : non-neoplastic	<p>1. Small intestine, segmental resection:</p> <ol style="list-style-type: none"> 1) gastrointestinal stromal tumor, epithelioid type, with intermediate risk of aggressive behavior 2) lymph nodes, omentum: free from tumor extension(0/12). <p>2. Skin, separately submitted:</p> <ol style="list-style-type: none"> 1) capillary hemangioma. 2) pigmented nevocellular nevus, intradermal. <p>Results of immunohistochemical staining c-kit, SMA, S-100 protein: Positive reactivities, CD34: Equivocal positive reactivity.</p>

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
30	E 11,12	f	37	ileum : non-neoplastic	<p>1. Right colon, terminal ileum, appendix and pericolic fatty tissue, right hemicolectomy: ulceroinfiltrative adenocarcinoma, moderately differentiated, in cecum and IC valve 1) size: 6.5x5cm 2) penetration of muscle layer and extension to pericolic fatty tissue and appendix 3) frequent vascular and perineural invasion 4) intact proximal(terminal ileum) and distal resection margins 5) metastasis to 4 out of 63 regional lymph nodes 6) nonneoplastic colonic mucosa showing melanosis coli</p> <p>2. Ovary, right, oophorectomy: 1) free from tumor extension. 2) corpus luteum cyst.</p> <p>MSI(Microsatellite instability) test Marker Name bat26 D5S346 bat25 D17S250 D2S123 Microsatellite No No No No No MSS instability Loss of heterozygosity No No No No No</p>
31	F 1,2	m	32	appendix : non-neoplastic	<p>Ascending colon, appendix and terminal ileum, right, hemicolectomy: 1) low grade mucosal damage and mild proliferation of Peyer's patch 2) appendix: acute appendicitis, minimal 3) regional lymph nodes, pericolic: reactive hyperplasia.</p>
32	F 3,4	f	34	cecum : non-neoplastic	<p>Cecum, ascending colon, terminal ileum, right hemicolectomy: 1) invagination of colonic mucosa in subserosal space with acute suppurative inflammation, highly suggestive of acute suppurative inflammation of appendiceal stump 2) regional lymph nodes, mesenteric: reactive hyperplasia. Note: The possibility of acute solitary diverticulitis is still present.</p>

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
33	F 5,6	f	80	colon : non-neoplastic	Sigmoid colon, segmental resection: 1) adenocarcinoma, moderately differentiated, ulcerative type with extension to the pericolic fat tissue 2) obstructive colitis 3) resection margins, proximal and distal: free of tumor 4) lymph nodes, regional(1/24): metastatic adenoarcinoma in 1 out of 24 lymph nodes.
34	F 7,8	m	55	rectum : non-neoplastic	Rectum, Hartmann's operation: 1) adenocarcinoma, moderately differentiated, fungating type, with extension to the peirectal fat tissue and extensive lymphatic invasion 2) resection margins, proximal and distal: free of tumor 3) lymph nodes, regional(0/11) and principal(0/0): free of tumor metastasis in all 11 nodes.
35	F 9,10	m	51	prostate : non-neoplastic	Prostate, prostatectomy: 1) adenocarcinoma (Gleason's score: 3+4:7) involving both lobes of peripheral and transitional zone without extracapsular extension (T2c by TNM stage and B2 by American staging system) and extensive perineural invasion 2) lymph nodes, external iliac, right(0/3) and left(0/5): free of tumor metastasis in all 8 nodes.
36	F 11,12	m	19	testis : non-neoplastic	Testis, left, orchiectomy: mixed germ cell tumor composed of seminoma and immature teratoma.
37	G 1,2	f	43	exocervix : non-neoplastic	Uterus, total abdominal hysterectomy: 1) cervix: chronic nonspecific inflammation with squamous metaplasia 2) endometrium: proliferative phase 3) myometrium: leiomyoma, intramura.
38	G 3,4	f	43	endocervix : non-neoplastic	Uterus, total abdominal hysterectomy: 1) cervix: chronic nonspecific inflammation with squamous metaplasia 2) endometrium: proliferative phase 3) myometrium: leiomyoma, intramura.

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
39	G 5,6	f	43	pro-endometrium : non-neoplastic	Uterus, total abdominal hysterectomy: 1) cervix: erosion with chronic nonspecific inflammation and squamous metaplasia 2) endometrium: proliferative phase 3) myometrium : leiomyomas, intramural and subserosal.
40	G 7,8	f	30	decidua : non-neoplastic	Intrauterine contents, D&E: product of conception.
41	G 9,10	f	37	myometrium : non-neoplastic	Uterus, total abdominal hysterectomy: 1) cervix: no pathological diagnosis 2) endometrium: endometrial polyp 3) myometrium : adenomyosis.
42	G 11,12	f	26	sec-endometrium : non-neoplastic	Endometrium, D&C: decidual change, see note. Note: Placental tissue is not identified in this specimen.
43	H 1,2	f	39	placenta amnion : non-neoplastic	
44	H 3,4	f	39	placenta chorionvilli : non-neoplastic	
45	H 5,6	f	39	placenta basal plate : non-neoplastic	
46	H 7,8	f	27	umbilical cord : non-neoplastic	Placenta, delivery: multifocal obliterative endarteritis, consistent with mild fetal
47	H 9,10	f	46	ovary : non-neoplastic	Uterus, total abdominal hysterectomy: 1) cervix: high grade squamous intraepithelial lesion (CIN grade II) 2) endometrium: polyp 3) myometrium : leiomyomas, intramural 4) ovaries, bilateral: no pathological diagnosis 5) fallopian tubes, bilateral: no pathological diagnosis.
48	H 11,12	f	40	fallopian tube : non-neoplastic	Uterus with left adnexa, total abdominal hysterectomy with left salpingoophorectomy: 1) cervix: chronic nonspecific inflammation 2) endometrium: secretory phase 3) myometrium: leiomyomas, intramural 4) ovary: hemorrhagic corpus luteum 5) fallopian tube: no pathological diagnosis.

A103(II): Normal tissues, more than single spot

No	Coordinate	Sex	Age	Key word	Histological Diagnosis
49	I 1,2	f	53	kidney cortex : non-neoplastic	1. Kidney, right, radical nephrectomy: 1) renal cell carcinoma, conventional(clear cell) type, confined within renal capsule(size: 1.2x1x1cm), Fuhrman's nuclear grade: 2 2) resection margins, ureter and vessels: free of tumor 2. Adrenal gland: no pathological diagnosis.
50	I 3,4	f	53	kidney medulla : non-neoplastic	1. Kidney, right, radical nephrectomy: 1) renal cell carcinoma, conventional(clear cell) type, confined within renal capsule(size: 1.2x1x1cm), Fuhrman's nuclear grade: 2 2) resection margins, ureter and vessels: free of tumor 2. Adrenal gland: no pathological diagnosis.
51	I 5,6	f	66	adrenal cortex : non-neoplastic	1. Kidney, right, nephrectomy: angiomyolipoma, focally extending beyond renal capsule, but confined to Gerota's fascia 2. Ureter, resection margin: free of tumor 3. Renal artery and vein: free of tumor 4. Adrenal gland: free of tumor Result of immunohistochemistry Vimentin(+), Actin(+), Desmin(+), Low MW Cytokeratin(-), EMA(-), Factor VIII(-), CD31(-), S-100(-).
52	I 7,8	m	55	adrenal medulla : non-neoplastic	Stomach with perigastric soft tissue, pancreas, spleen, left adrenal gland, total gastrectomy, pancreatectomy, splenectomy and adrenalectomy: ulceroinfiltrating adenocarcinoma, poorly differentiated, in upper body with 1) size: 6.5x3cm 2) intestinal type(by Lauren classification) and infiltrative growth(by Ming classification) 3) extension to perigastric soft tissue, serosa, pancreas, and periadrenal soft tissue 4) perineural invasion 5) intact proximal(esophagus) and distal resection margins 6) metastasis to all regional perigastric and peripancreatic lymph nodes(4/4) 7) pancreas, spleen, adrenal gland: free from tumor extension.

A103(II): Normal tissues, more than single spot

No	Coordinate		Sex	Age	Key word	Histological Diagnosis
53	I	9,10	f	34	ureter : non-neoplastic	1. Kidney, right, lobectomy: 1) chromophobe renal cell carcinoma - confined within the renal capsule - no renal pelvis involvement 2) renal vein and artery: free of tumor 2. Ureter: free of tumor. 3. Adrenal gland: free of tumor.
54	I	11,12	m	44	urinary bladder : non-neoplastic	Urinary bladder including prostate, seminal vesicle and ureter, radical cystectomy: 1. Urinary bladder: papillary urothelial carcinoma, high grade, with squamous differentiation, with various pathologic state including low grade papillary urothelial carcinoma, urothelial tumor of low malignant potential, carcinoma in situ and papilloma, with extension to the perivesical soft tissue and prostate, and with extensive lymphatic, venous and perineural invasion, incompletely excised 2. Seminal vesicle: free of tumor 3. Ureters, bilateral, resection margins: free of tumor.