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Specifications:

- No. of cases: 34
- Tissue type: Various cancer tissues
- No. of spots: 3 spots from each cancer case (102 spots)
- Total spots: 102
- 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	Organ	Key word
1	1,2	f	58	brain	glioblastoma multiforme
2	3				non-neoplastic from A1,2
3	4,5	f	59	brain	anaplastic astrocytoma
4	6				non-neoplastic from A4,5
5	7,8	m	28	skin	invasive squamous cell carcinoma
6	9				non-neoplastic from A7,8
7	10,11	f	47	skin	malignant melanoma
8	12				non-neoplastic from A10,11
9	1,2	f	62	esophagus	squamous cell carcinoma
10	3				non-neoplastic from B1,2
11	4,5	m	70	larynx	invasive squamous cell carcinoma
12	6				non-neoplastic from B4,5
13	7,8	m	49	hypopharynx	invasive squamous cell carcinoma
14	9				non-neoplastic from B7,8
15	10,11	m	53	tonsil	chronic sialadenitis
16	12				non-neoplastic from B10,11
17	1,2	f	25	thyroid gland	papillary carcinoma
18	3				non-neoplastic from C1,2
19	4,5	f	56	thyroid gland	follicular carcinoma
20	6				non-neoplastic from C4,5
21	7,8	m	54	lung	squamous cell carcinoma
22	9				non-neoplastic from C7,8
23	10,11	f	75	lung	papillary adenocarcinoma
24	12				non-neoplastic from C10,11
25	1,2	m	58	kidney	renal cell carcinoma
26	3				non-neoplastic from D1,2
27	4,5	m	52	kidney	papillary transitional cell carcinoma
28	6				non-neoplastic from D4,5
29	7,8	m	48	urinary	bladder adenocarcinoma
30	9				non-neoplastic from D7,8
31	10,11	m	81	urinary	bladder urothelial carcinoma
32	12				non-neoplastic from D10,11
33	1,2	f	45	breast	infiltrating ductal carcinoma
34	3				non-neoplastic from E1,2
35	4,5	f	51	breast	lobular carcinoma
36	6				non-neoplastic from E4,5
37	7,8	f	36	cervix	invasive squamous cell carcinoma
38	9				non-neoplastic from E7,8
39	10,11	f	41	cervix	mucinous adenocarcinoma
40	12				non-neoplastic from E10,11

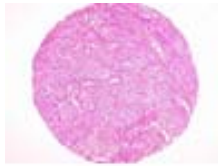
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Summary of tissue spots

No	Coordinate	Sex	Age	Organ	Key word
41	1,2	f	40	uterus	endometrioid adenocarcinoma
42	3				non-neoplastic from F1,2
43	4,5	f	33	ovary	serous adenocarcinoma
44	6				non-neoplastic
45	7,8	f	33	ovary	mucinous adenocarcinoma
46	9				non-neoplastic
47	10,11	m	30	testis	seminoma
48	12				non-neoplastic from F10,11
49	1,2	m	63	prostate	adenocarcinoma
50	3				non-neoplastic from G1,2
51	4,5	m	63	prostate	adenocarcinoma
52	6				non-neoplastic from G4,5
53	7,8	m	68	stomach	adenocarcinoma
54	9				non-neoplastic from G7,8
55	10,11	m	62	stomach	signet ring cell carcinoma
56	12				non-neoplastic from G10,11
57	1,2	m	68	liver	hepatocellular carcinoma
58	3				non-neoplastic from H1,2
59	4,5	m	49	liver	adenocarcinoma
60	6				non-neoplastic from H4,5
61	7,8	f	75	gallbladder	papillary adenocarcinoma
62	9				non-neoplastic from H7,8
63	10,11	m	62	pancreas	adenocarcinoma
64	12				non-neoplastic from H10,11
65	1,2	m	56	colon	adenocarcinoma
66	3				non-neoplastic from I1,2
67	4,5	m	69	lymph node	metastatic carcinoma
68	6				non-neoplastic from I4,5

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**QC sheet_LOT#132120405111
Haematoxylin and Eosin staining**



A1



A2



A3



A4



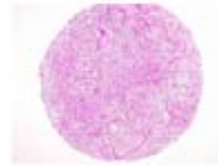
A5



A6



A7



A8



A9



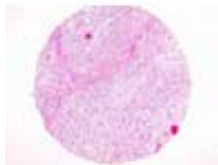
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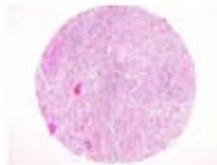
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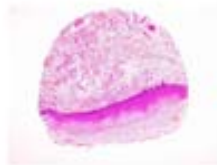
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B1



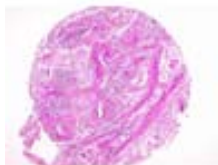
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B3



B4



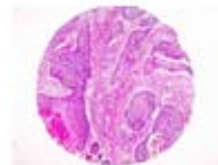
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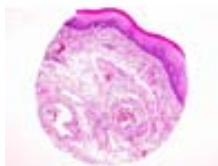
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B7



B8



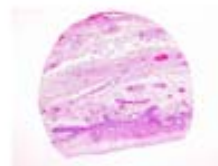
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B10



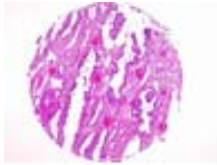
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B12

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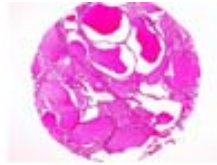
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Haematoxylin and Eosin staining**



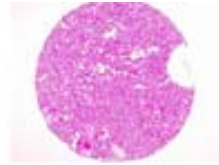
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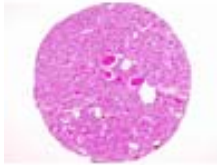
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C3



C4



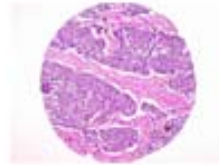
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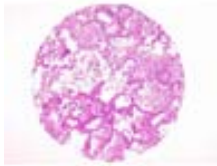
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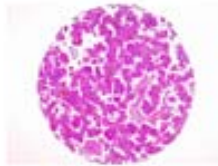
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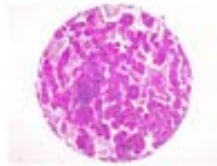
C8



C9



C10



C11



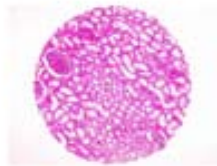
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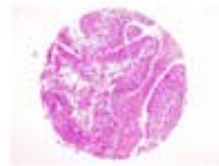
D1



D2



D3



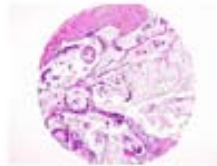
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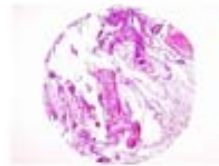
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D6



D7



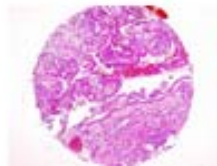
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D9



D10



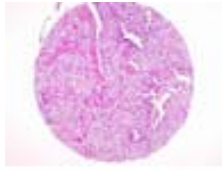
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D12

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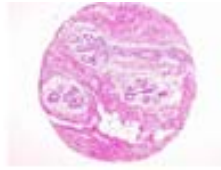
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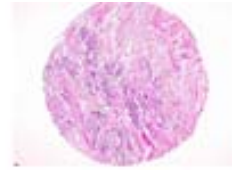
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E2



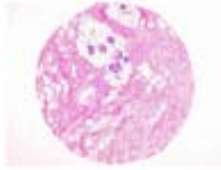
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E4



E5



E6



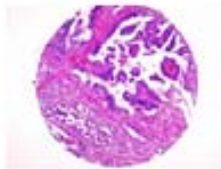
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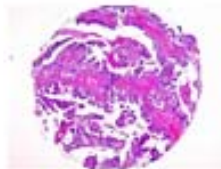
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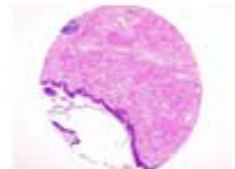
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E10



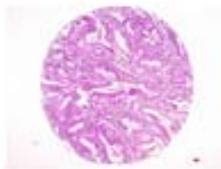
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E12



F1



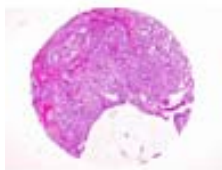
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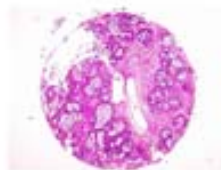
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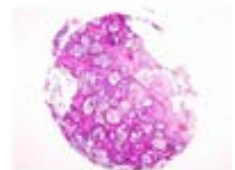
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F6



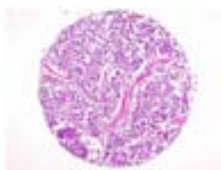
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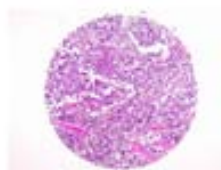
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F9



F10



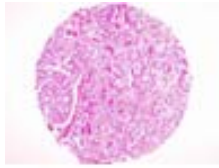
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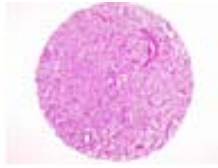
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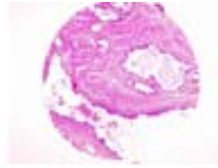
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Haematoxylin and Eosin staining**



G1



G2



G3



G4



G5



G6



G7



G8



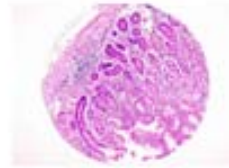
G9



G10



G11



G12



H1



H2



H3



H4



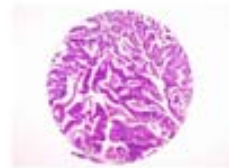
H5



H6



H7



H8



H9



H10



H11



H12

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Haematoxylin and Eosin staining**



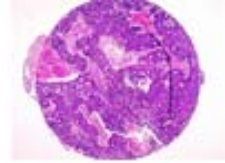
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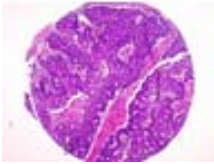
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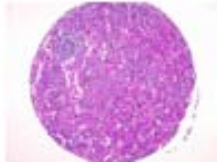
I3



I4



I5



I6

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
1	A	1,2	f	58	brain: glioblastoma multiforme	Brain, tumor removal: 1) choroid plexus: choroid plexus with foci of calcification 2) cerebellum: glioblastoma multiforme
2	A	3	f	58	non-neoplastic	Non-neoplastic from A1,2
3	A	4,5	f	59	brain: anaplastic astrocytoma	Brain, biopsy (frozen section): anaplastic astrocytoma
4	A	6	f	59	non-neoplastic	Non-neoplastic from A4,5
5	A	7,8	m	28	skin: invasive squamous cell carcinoma	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
6	A	9	m	28	non-neoplastic	Non-neoplastic from A7,8
7	A	10,11	f	47	skin: malignant melanoma	Skin with subcutaneous tissue, chest, biopsy: malignant melanoma, metastatic, incompletely excised
8	A	12	f	47	non-neoplastic	Non-neoplastic from A10,11
9	B	1,2	f	62	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))
10	B	3	f	62	non-neoplastic	Non-neoplastic from B1,2

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
11	B	4,5	m	70	larynx: invasive squamous cell carcinoma	Larynx, supracricoid partial laryngectomy: invasive squamous cell carcinoma, moderately differentiated, in transglottic area with 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. 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)) 7) Salivary gland, submandibular, separately submitted: free from tumor extension
12	B	6	m	70	non-neoplastic	Non-neoplastic from B4,5
13	B	7,8	m	49	hypopharynx: invasive squamous cell carcinoma	1. Hypopharynx, larynx with esophagus, total pharyngolaryngectomy with esophagectomy: invasive squamous cell carcinoma, moderately differentiated with extension to the skeletal muscle of hypopharynx 1) resection margins, superior and inferior (esophagus): free of tumor 2) resection margin, posterolateral: free of tumor 3) thyroid gland, left: free of tumor 4) lymph nodes, paraesophageal (0/11): free of tumor 5) lymph nodes, neck, bilateral, radical neck dissection: right IIb (0/6), right IIa (0/10), right III (0/6), right IV (0/6), right V (0/4), left IIb (0/13), left IIa (0/6), left III (0/11), left IV (0/2) and pretracheal (1/4):(1/68): metastatic squamous cell carcinoma in 1 out of 68
14	B	9	m	49	non-neoplastic	Non-neoplastic from B7,8

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
15	B	10,11	m	53	tonsil: squamous cell carcinoma tonsil: chronic sialadenitis	Tonsil, radical excision: 1) squamous cell carcinoma, poorly differentiated, with - surface ulceration - size: 3.5x1.8cm - expanding growth - lymphovascular permeation: negative 2) resection margins, pharynx, upper gingiva, retromolar trigone, tonsil: free of tumor 3) resection margin, base: free of tumor, but nearly attached 4) regional lymph nodes: tumor metastasis to 2 out of 39 (2/39), in detail, prevascular (0/0), retrovascular (0/2), preglandular (0/1), retroglandular (0/3), SMG (chronic sialadenitis and its node 0/1), level IIA (1/5), level IIB (1/13), level III (0/10), level IV (0/4)
16	B	12	m	53	non-neoplastic	Non-neoplastic from B10,11
17	C	1,2	f	25	thyroid gland: papillary carcinoma	Thyroid, total, thyroidectomy: papillary carcinoma, in both lobe with 1) involvement at more than 2/3 of entire parenchyma 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))
18	C	3	f	25	non-neoplastic	Non-neoplastic from C1,2
19	C	4,5	f	56	thyroid gland: follicular 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)
20	C	6	f	56	non-neoplastic	Non-neoplastic from C4,5

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
21	C	7,8	m	54	lung: squamous cell carcinoma	<p>1. Lung, right, pneumonectomy:</p> <ul style="list-style-type: none"> 1) bronchogenic squamous cell carcinoma, poorly differentiated, with marked tumor necrosis and vascular permeation 2) tumor extension to the visceral pleura 3) obstructive pneumonitis 4) resection margin, bronchial: free of tumor 5) regional lymph nodes, hilar lymph nodes (2/3), interlobar lymph nodes (1/6), subcarinal lymph nodes (0/4):(3/13): tumor metastasis in 3 out of 13 lymph nodes <p>2. chest wall: presence of squamous cell carcinoma with marked necrosis</p> <p>3. mediastinal pleura:</p> <ul style="list-style-type: none"> 1) free of tumor 2) acute nonspecific inflammation with fibrosis <p>Note: Immunohistochemical stain results: NSE, Chromogranin A, Synaptophysin: focally positive</p>
22	C	9	m	54	non-neoplastic	Non-neoplastic from C7,8
23	C	10,11	f	75	lung: papillary adenocarcinoma	<p>Lung, right upper lobe, lobectomy with MLND:</p> <ul style="list-style-type: none"> 1) papillary adenocarcinoma, associated with bronchioloalveolar carcinoma <ul style="list-style-type: none"> - tumor size: 4.5x3cm - visceral pleura involvement 2) resection margin, bronchial: free of tumor. 3) regional lymph nodes: free of tumor in all nodes (0/21), in detail, regional (0/1), IPL (0/1), hilar (0/2), subcarinal (0/9), lower paratracheal (0/7), peribronchial (0/1)
24	C	12	f	75	non-neoplastic	Non-neoplastic from C10,11

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
25	D	1,2	m	58	kidney: renal cell carcinoma	Kidney, left, radical nephrectomy: 1) renal cell carcinoma: - clear cell type - fuhrman's nuclear grade I - confined to renal capsule - no renal vein thrombosis 2) eosinophilic abscess 3) resection margin, ureteral: free of tumor 4) renal artery: marked intimal thickening with myointimal cell proliferation 5) adrenal gland: free of tumor 6) regional lymph nodes, perirenal lymph nodes (0/2): free of tumor
26	D	3	m	58	non-neoplastic	Non-neoplastic from D1,2
27	D	4,5	m	52	kidney: papillary transitional cell carcinoma	Kidney and ureter, right, radical nephroureterectomy: papillary transitional cell carcinoma in renal pelvis, high grade, invasive with extension to the renal parenchyma 1) resection margins, ureteral and vascular: free of tumor 2) adrenal gland: free of tumor 3) lymph nodes, paracaval (0/3) and regional (0/2):(0/5): free of tumor
28	D	6	m	52	non-neoplastic	Non-neoplastic from D4,5
29	D	7,8	m	48	urinary: bladder adenocarcinoma	1. Urinary bladder, partial cystectomy: adenocarcinoma, with extensive mucin production and signet ring cell feature invading perivascular fat tissue resection margin: free of tumor, see note 2. Skin, abdominal wall: free of tumor Note: mucosal margins of urinary bladder are free of tumor. The tumor deeply extends beyond the deep muscle layer and is covered by peritoneum, which is involved, but not penetrated by neoplasm.
30	D	9	m	48	non-neoplastic	Non-neoplastic from D7,8
31	D	10,11	m	81	urinary: bladder urothelial carcinoma	1. Bladder neck mass, TURBT: high-grade urothelial carcinoma with invasion into muscularis propria 2. Left posterior lateral wall, deep, biopsy: no tumor can be identified

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
32	D	12	m	81	non-neoplastic	Non-neoplastic from D10,11
33	E	1,2	f	45	breast: infiltrating ductal carcinoma	Breast: frozen diagnosis, infiltrating ductal carcinoma, final diagnosis, infiltrating ductal carcinoma 1) with histologic grade III, poorly differentiated 2) with minimal intraductal component, less than 10% 3) resection margin: free of tumor
34	E	3	f	45	non-neoplastic	Non-neoplastic from E1,2
35	E	4,5	f	51	breast: lobular carcinoma	Breast mass, left, excisional biopsy (FS): in-situ and invasive lobular carcinoma (approximately 1.5cm in size) Note: The resection margin is involved by carcinoma.
36	E	6	f	51	non-neoplastic	Non-neoplastic from E4,5
37	E	7,8	f	36	cervix: invasive squamous cell carcinoma	Uterus, total abdominal hysterectomy: 1) cervix: Invasive squamous cell carcinoma, large cell, nonkeratinizing type, at area between 3-6 o'clock directions with - size: 2.5x2x0.8cm - depth of invasion: 8mm - expanding growth - no vascular invasion - intact resection margins of vaginal cuff 2) endometrium: - secretory phase without tumor extension - adenomyosis 3) parametrium, bilateral: free from tumor extension 4) regional lymph nodes, right (0/6) and left (0/5) and pelvic, separately submitted: free from tumor extension
38	E	9	f	36	non-neoplastic	Non-neoplastic from E7,8

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
39	E	10,11	f	41	cervix: mucinous adenocarcinoma	Uterus with adnexa, left, radical abdominal hysterectomy with left salpingoophorectomy: 1) cervix: - mucinous adenocarcinoma, endocervical type, moderately differentiated with multifocal lymphovascular permeation (invasion depth:5mm) - microinvasive squamous cell carcinoma with extensive carcinoma in situ (invasion depth: 1.5mm) 2) endometrium: secretory phase 3) myometrium: leiomyomas, multiple, intramural 4) ovary, left: no pathological diagnosis 5) fallopian tube, left: no pathological diagnosis 6) parametrium, bilateral: free of tumor 7) vaginal cuff: free of tumor 8) lymph nodes, pelvic (0/17): free of tumor
40	E	12	f	41	non-neoplastic	Non-neoplastic from E10,11
41	F	1,2	f	40	uterus: endometrioid adenocarcinoma	Uterus with adnexae, bilateral, extrafascial abdominal hysterectomy with bilateral salpingoophorectomy: 1) cervix: chronic nonspecific inflammation with squamous metaplasia 2) endomyometrium: - endometrioid adenocarcinoma, grade 1 with extension to more than half of myometrium (invasion depth 11mm from 19mm) - adenomyosis 3) ovaries, bilateral: no pathological diagnosis 4) fallopian tubes, bilateral: no pathological diagnosis 5) parametria, bilateral: free of tumor 6) lymph nodes, paraaortic (0/4), right pelvic (0/6) and left pelvic (0/2): (0/12): free of tumor
42	F	3	f	40	non-neoplastic	Non-neoplastic from F1,2

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
43	F	4,5	f	40	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 with squamous metaplasia 2) endometrium: proliferative phase 3) myometrium: serosal invasion by ovarian adenocarcinoma 4) ovaries, bilateral: serous papillary adenocarcinoma, grade 2, bilateral, with extension beyond ovarian capsule to the pelvic and abdominal peritoneum 5) fallopian tubes, bilateral: Serosal and intraluminal tumor involvement 6) parametrium, bilateral: extension of the tumor 7) lymph nodes, right pelvic (0/1), left pelvic (0/3) and paraaortic (0/3): free of tumor metastasis in all 7 nodes 8) omentum and peritoneum labelled as bladder dome, bilateral pelvis and ileocecum: metastatic adenocarcinoma 9) appendix, incidental appendectomy: no pathological diagnosis
44	F	6	f	33	non-neoplastic	<p>Ovary and fallopian tube, side unstated, salpingoophorectomy:</p> <ol style="list-style-type: none"> 1) ovary: borderline serous and mucinous tumor with serous micropapillary pattern (so called micropapillary serous adenocarcinoma by Kurman), confined within ovarian capsule
45	F	7,8	f	56	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 2) endometrium: atrophy 3) myometrium: adenomyosis 4) ovary, right: no pathological diagnosis 5) ovary, left: mucinous adenocarcinoma, moderately differentiated, confined within ovarian capsule 6) fallopian tubes, both: no pathological diagnosis 7) parametrium, bilateral: free of tumor 8) cyst, right paraovarian: hydatid of morgagni

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
46	F	9	f	33	non-neoplastic	Ovary and fallopian tube, side unstated, salpingoophorectomy: 1) ovary: borderline serous and mucinous tumor with serous micropapillary pattern (so called micropapillary serous adenocarcinoma by Kurman), confined within ovarian capsule
47	F	10,11	m	30	testis: seminoma	Testis, left, orchiectomy: seminoma with invasion beyond tunica albuginea (pT2) and associated with intratubular germ cell neoplasia spermatic cord: free of tumor
48	F	12	m	30	non-neoplastic	Non-neoplastic from F10,11
49	G	1,2	m	63	prostate: adenocarcinoma	Prostate: gleason score 8, stage 2, volume 20%, size 2cm, location of tumor bilateral, peripheral zone, apex 0, base 0, high grade prosatatic intra epithelial neoplasm 1, lymph node 0, plasm psa level 13.73, the number of separate tumor 2
50	G	3	m	63	non-neoplastic	Non-neoplastic from G1,2
51	G	4,5	m	63	prostate: adenocarcinoma	Prostate: gleason score 10, stage 3, volume 95%, size 4.5cm, location of tumor bilateral, entire zone, apex 0, base 1, high grade prosatatic intra epithelial neoplasm 0, lymph node 0, plasm psa level 2.6
52	G	6	m	63	non-neoplastic	Non-neoplastic from G4,5
53	G	7,8	m	68	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
54	G	9	m	68	non-neoplastic	Non-neoplastic from G7,8

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
55	G	10,11	m	62	stomach: signet ring cell carcinoma	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
56	G	12	m	62	non-neoplastic	Non-neoplastic from G10,11
57	H	1,2	m	68	liver: hepatocellular carcinoma	1.Liver, lateral segment, segmentectomy: hepatocellular carcinoma with 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 periportal fibrosis (stage II) by Ludwig classification 2.Gallbladder, cholecystectomy: chronic cholecystitis with stones
58	H	3	m	68	non-neoplastic	Non-neoplastic from H1,2

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
59	H	4,5	m	49	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>
60	H	6	m	49	non-neoplastic	Non-neoplastic from H4,5
61	H	7,8	f	75	gallbladder: papillary adenocarcinoma	<p>Gallbladder, cholecystectomy: papillary adenocarcinoma, in fundus with</p> <ol style="list-style-type: none"> 1) size: 6x5.5x2cm 2) infiltrative growth 3) extension to perimuscular soft tissue 4) lymphovascular invasion 5) intact resection margin of cystic duct and base of gallbladder 6) no metastasis to pericholedochal lymph node (0/1)
62	H	9	f	75	non-neoplastic	Non-neoplastic from H7,8

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
63	H	10,11	m	62	pancreas: adenocarcinoma	<p>1. Pancreas and soft tissue, distal pancreatectomy: adenocarcinoma, moderately differentiated, in the tail area with</p> <ol style="list-style-type: none"> 1) size: 5x4.5x3cm 2) moderately differentiated 3) diffuse infiltration to surrounding peripancreatic fatty tissue including lymph node and left adrenal gland 4) perineural invasion 5) intact pancreatic resection margin 6) no metastasis to peripancreatic lymph node (0/7) and perihilar lymph node of spleen (0/1) 7) chronic pancreatitis with parenchymal atrophy and dense fibrosis 8) ectopic spleen in the surrounding adipose tissue <p>2. Spleen: free from tumor extension</p>
64	H	12	m	62	non-neoplastic	Non-neoplastic from H10,11
65	I	1,2	m	56	colon: adenocarcinoma	<p>Transverse colon, right hemicolectomy: adenocarcinoma, moderately differentiated, ulcerofungating type with 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 (0/21): free of tumor 3) appendix: no pathological diagnosis
66	I	3	m	56	non-neoplastic	Non-neoplastic from I1,2

A301 (II): Various cancer tissues with corresponding normal tissues

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
67	I	4,5	m	69	lymph node: metastatic carcinoma	<p>Stomach with omentum, total gastrectomy: ulceroinfiltrative adenocarcinoma(AGC type III), moderately differentiated, in body and cardia with</p> <ol style="list-style-type: none"> 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
68	I	6	m	69	non-neoplastic	Non-neoplastic from I4,5