

**Specifications:**

- No. of cases: 33
- Tissue type: Pancreas cancer tissues
- No. of spots: 2 spots from each cancer case (66 spots)  
4 non-neoplastic spots (4 spots)
- Total spots: 70
- 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:**

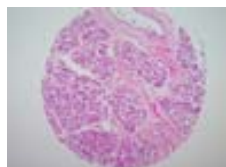


- non-neoplastic
- well differentiated (G1)
- well to moderately differentiated (G-G2)
- moderately differentiated (G2)
- moderately to poorly differentiated (G2-G3)
- poorly differentiated (G3)
- etc
- \* Numbers in circle are stage.

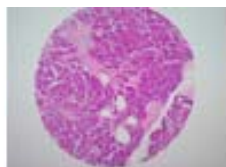
**Summary of tissue spots**

No	Coordinate	Sex	Age	Key Word	Grade	TNMStage	Note
1	1	M	66	Non-neoplastic region of B1,2			
2	2	M	71	Non-neoplastic region of B5,6			
3	3	M	85	Non-neoplastic region of C3,4			
4	4	M	71	Non-neoplastic			
5	5, 6	M	49	Ductal adenocarcinoma	G1	T4N3M0 (III)	
6	7, 8	M	61	Ductal adenocarcinoma	G3	T3N1M1 (IV)	
7	9, 10	M	65	Ductal adenocarcinoma	G3	T2N4M1 (IV)	
8	1, 2	M	66	Ductal adenocarcinoma	G1-G2	T3N1M0 (IIB)	
9	3, 4	M	55	Ductal adenocarcinoma	G1-G2	T2N1M0 (IIB)	
10	5, 6	M	71	Ductal adenocarcinoma	G1-G2	T1N1M0 (IIB)	
11	7, 8	M	59	Ductal adenocarcinoma	G3	T3N0M0 (IIA)	
12	9, 10	M	60	Ductal adenocarcinoma	G3	T3NXM0 (IIA)	
13	1, 2	M	71	Ductal adenocarcinoma	G2	T3N1M0 (IIB)	
14	3, 4	M	85	Ductal adenocarcinoma	G2	T3N0M0 (IIA)	
15	5, 6	M	55	Ductal adenocarcinoma	G2	T3N0M0 (IIA)	
16	7, 8	F	69	Ductal adenocarcinoma	G3	T4N1M1 (IV)	
17	9, 10	M	66	Ductal adenocarcinoma	G3	T3N0MX (IIA)	
18	1, 2	F	78	Ductal adenocarcinoma	G2	T3N1M0 (IIB)	
19	3, 4	M	47	Ductal adenocarcinoma	G2	T3N1M1 (IV)	
20	5, 6	M	65	Ductal adenocarcinoma	G2	T2N0M1 (IV)	
21	7, 8	M	61	Ductal adenocarcinoma	_	T2N1M1 (IV)	
22	9, 10	M	69	Ductal adenocarcinoma	_	T3N0M0 (IIA)	
23	1, 2	F	78	Ductal adenocarcinoma	G2	T2N0M0 (IB)	
24	3, 4	M	66	Ductal adenocarcinoma	G2	T3N1M1 (IV)	
25	5, 6	M	64	Ductal adenocarcinoma	G2	T3N1M0 (IIB)	
26	7, 8	M	69	Ductal adenocarcinoma	_	T3N0M1 (IV)	
27	9, 10	F	66	Ductal adenocarcinoma	_	T3N0M0 (IIA)	
28	1, 2	M	64	Ductal adenocarcinoma	G2	T3NXM1 (IV)	
29	3, 4	M	60	Ductal adenocarcinoma	G2	T3N1M0 (IIB)	
30	5, 6	M	63	Ductal adenocarcinoma	G2	T3N1M0 (IIB)	
31	7, 8	M	74	Ductal adenocarcinoma	_	T3N0M0 (IIA)	
32	9, 10	M	43	Endocrine carcinoma	_		Bone metastasis
33	1, 2	M	60	Ductal adenocarcinoma	G2	T3N0M0 (IIA)	
34	3, 4	M	75	Ductal adenocarcinoma	G2-G3	T2N1MX (IIB)	
35	5, 6	F	46	Ductal adenocarcinoma	G2-G3	T3N1M1 (IV)	
36	7, 8	F	65	Endocrine carcinoma	_		
37	9, 10	F	60	Ductal adenocarcinoma	G4	T3N1M1 (IV)	

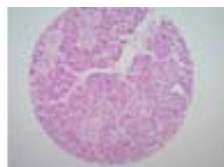
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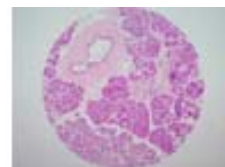
**A1**



**A2**



**A3**



**A4**



**A5**



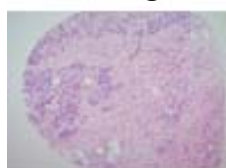
**A6**



**A7**



**A8**



**A9**



**A10**



**B1**



**B2**



**B3**



**B4**



**B5**



**B6**



**B7**



**B8**



**B9**



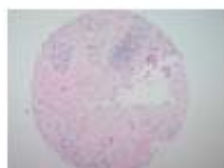
**B10**



**C1**



**C2**



**C3**



**C4**

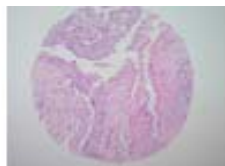
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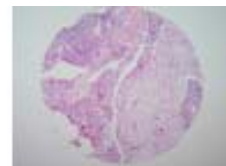
**C5**



**C6**



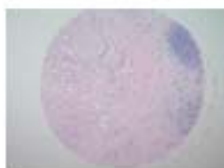
**C7**



**C8**



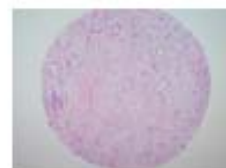
**C9**



**C10**



**D1**



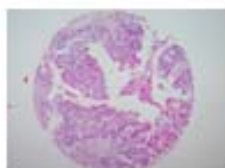
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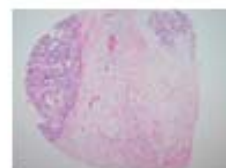
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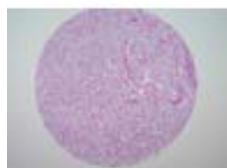
**D4**



**D5**



**D6**



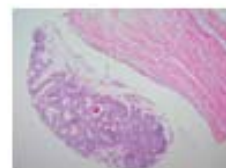
**D7**



**D8**



**D9**



**D10**



**E1**



**E2**



**E3**



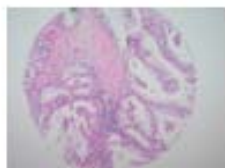
**E4**



**E5**



**E6**



**E7**



**E8**

**QC sheet\_LOT#122120310011**  
**Hematoxylin and Eosin staining**



**E9**



**E10**



**F1**



**F2**



**F3**



**F4**



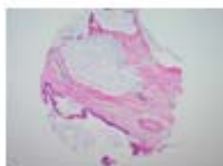
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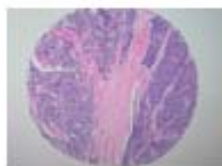
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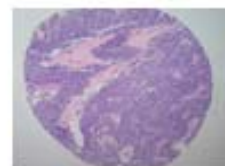
**F7**



**F8**



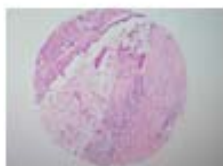
**F9**



**F10**



**G1**



**G2**



**G3**



**G4**



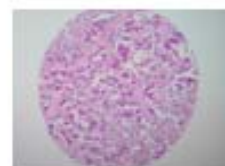
**G5**



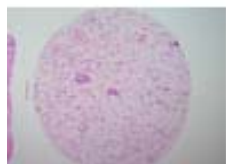
**G6**



**G7**



**G8**



**G9**



**G10**

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
1	A	1	m	66	pancreas	Non-neoplastic region of B1,2		
2	A	2	m	71	pancreas	Non-neoplastic region of B5,6		
3	A	3	m	85	pancreas	Non-neoplastic region of C3,4		
4	A	4	m	71	pancreas	Non-neoplastic		
5	A	5,6	m	49	ductal-adenocarcinoma	<p>1. Pancreas, pancreatectomy: Mucinous adenocarcinoma, well differentiated</p> <ol style="list-style-type: none"> <li>1) mucinous duct ectasia</li> <li>2) chronic pancreatitis</li> <li>3) resection margin pancreas, free of tumor</li> <li>4) lymph node, regional (0/5), free of tumor</li> </ol> <p>2. Spleen: free of tumor</p>	G1	T4N3M0 (III)
6	A	7,8	m	61	ductal-adenocarcinoma	<p>1. Stomach, total gastrectomy: Poorly differentiated tubular adenocarcinoma mixed with signet ring cell carcinoma, ulceroinfiltrative type, with</p> <ol style="list-style-type: none"> <li>1) extension to the perigastric fatty tissue</li> <li>2) resection margin, proximal (esophagus) and distal (duodenum): free of tumor</li> </ol> <p>2. Pancreas, pancreatectomy: Ductal adenocarcinoma, poorly differentiated with</p> <ol style="list-style-type: none"> <li>1) extension to peri-pancreatic soft tissue and with involvement of spleen</li> <li>2) pancreas, resection margin: free of tumor</li> <li>3) regional lymph nodes, N3 (0/4), No.4 (0/8), No.6 (1/7), No.8 (2/3), No.11 (4/9), peripancreatic node (2/4) : (9/35): metastatic adenocarcinoma in 9 out of 35 lymph nodes</li> </ol> <p>3. Soft tissue, separately submitted as node N2 and N10: extension of adenocarcinoma (no lymph node tissue is identified)</p> <p>4. Transverse colon, segmental colectomy: free of tumor</p>	G3	T3N1M1 (IV)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
7	A	9,10	m	65	ductal-adenocarcinoma	<p>1. Duodenum, Whipple's operation: Tubular adenocarcinoma, poorly differentiated confined within the pancreas parenchyme</p> <p>2. Chronic pancreatitis</p> <p>1) proximal and distal: free of tumor</p> <p>2) proximal CBD: free of tumor</p> <p>3) pancreas distal: free of tumor</p> <p>4) regional lymph nodes, No.5 (0/0), No.6 (0/5), No.12 (0/2), peripancreatic (0/9), mesenteric (0/1): free of tumor in all 17 nodes</p> <p>5) hyalinized nodules, etiology unknown</p> <p>3. Gallbladder: congestion</p>	G3	T2N4M1 (IV)
8	B	1,2	m	66	ductal-adenocarcinoma	<p>1. Pancreas, duodenum, common bile duct and gallbladder, Whipples' operation: Pancreas, duct cell adenocarcinoma, moderately well differentiated, with</p> <p>1) extension to peripancreatic soft tissue</p> <p>2) without invasion of duodenum</p> <p>2. Remained pancreas, marked atrophy of acini, fibrosis and inflammatory infiltration, secondary to obstruction and chronic pancreatitis</p> <p>1) resection margins, duodenum, pancreas, and common bile duct: free of tumor</p> <p>2) regional lymph node, peripancreatic (0/5),periduodenal (2/3), (2/8), metastatic adenocarcinoma In two out of 8 nodes</p> <p>3. Gallbladder: chronic nonspecific inflammation</p>	G1-G2	T3N1M0 (IIB)
9	B	3,4	m	55	ductal-adenocarcinoma	<p>1. Pancreas, distal pancreatectomy: Adenocarcinoma, moderately well differentiated, with</p> <p>1) extension to the peripancreatic fat tissue</p> <p>2) chronic pancreatitis</p> <p>3) resection margin of pancreas: free of tumor</p> <p>4) lymph nodes, peripancreatic (3/5), metastasis in 3 out of 5 nodes</p>	G1-G2	T2N1M0 (IIB)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
10	B	5,6	m	71	ductal-adenocarcinoma	<p>1. Pancreas, duodenum, and gallbladder, Whipple's operation: Pancreatic ductal adenocarcinoma, moderately well differentiated, involving pancreatic head, with</p> <ol style="list-style-type: none"> <li>1) metastases to the regional lymph nodes (6/13)</li> <li>2) chronic pancreatitis, focal</li> </ol> <p>* Note: The pancreatic and duodenal resection margins are free of neoplastic involvement. the lymph nodes from the omental fat and the nodes labelled as 'N12' are free of metastatic carcinoma (0/10) the gallbladder is remarkable there is no neoplastic extension to ampulla of Vater or duodenum</p>	G1-G2	T1N1M0 (IIB)
11	B	7,8	m	59	ductal-adenocarcinoma	<p>1. Pancreas, common bile duct, duodenum, jejunum, and stomach, Whipple's operation: Ductal adenocarcinoma, poorly differentiated, in head of pancreas with</p> <ol style="list-style-type: none"> <li>1) size: 2.5 cm in the greater diameter</li> <li>2) infiltrative growth</li> <li>3) extension to duodenal wall, ampulla of Vater, common bile duct and peripancreatic soft tissue</li> <li>4) frequent lymphovascular and perineural invasion</li> <li>5) intact resection margins including proximal (stomach), distal (jejunum), common bile duct and pancreas</li> <li>6) no lymph node metastasis (0/23: peripancreatic (0/11), mesenteric of small intestine (0/7) and perigastric (0/4), and No.8(0/1))</li> </ol> <p>2. Stomach: chronic atrophic gastritis with extensive intestinal metaplasia 3. Small intestine: no pathological diagnosis multifocal enzymatic fatty necrosis in the omentum</p>	G3	T3N0M0 (IIA)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
12	B	9,10	m	60	ductal-adenocarcinoma	<p>1. Pancreas, distal pancreatectomy: Ductal adenocarcinoma, moderately differentiated with</p> <ol style="list-style-type: none"> <li>1) size: 2x1.5x1.3 cm</li> <li>2) extension to peripancreatic soft tissue</li> <li>3) vascular and perineural invasion</li> <li>4) chronic pancreatitis with marked fibrosis, acinar atrophy and ductal hyperplasia surrounding nonneoplastic pancreas</li> <li>5) intact resection margin</li> </ol> <p>2. Spleen, splenectomy: congestion without metastasis lymph nodes, splenic hilar: free from tumor extension (0/2)</p>	G3	T3NXM0 (IIA)
13	C	1,2	m	71	ductal-adenocarcinoma	<p>1. Pancreas, distal pancreatectomy: Ductal adenocarcinoma, moderately differentiated, with</p> <ol style="list-style-type: none"> <li>1) extending to peripancreatic soft tissue</li> </ol> <p>2. Remained pancreas, chronic pancreatitis with duct</p> <ol style="list-style-type: none"> <li>1) resection margin: free of tumor</li> <li>2) regional lymph node, peripancreatic (1/7), paraaortic (0/7), (1/14), metastatic adenocarcinoma</li> <li>3) artery, splenic, atherosclerosis</li> </ol> <p>3. Adrenal gland, separately submitted as adrenal node, free of tumor</p> <p>4. Spleen, splenectomy: congestion</p>	G2	T3N1M0 (IIB)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
14	C	3,4	m	85	ductal-adenocarcinoma	<p>1. Pancreas, duodenum, CBD, gallbladder, whipple's operation: Adenocarcinoma of ductal type, moderately-well differentiated, with</p> <p>1) arising in common bile duct with focal invasion into the adjacent peripancreatic fat and pancreas, focal chronic pancreatitis</p> <p>2) lymph nodes, omentum (0/3), peri-common bile duct (0/3), free of tumor 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>	G2	T3N0M0 (IIA)
15	C	5,6	m	55	ductal-adenocarcinoma	<p>1. Pancreas, duodenum, common bile duct and gallbladder, whipple's operation: Pancreas: ductal adenocarcinoma, moderately differentiated with</p> <p>1) extension directly to the peripancreatic soft tissue</p> <p>2) resection margins, pancreatic: free of tumor</p> <p>2. Duodenum: 1) focal erosion with acute and chronic nonspecific inflammation</p> <p>2) resection margins, duodenum: free of tumor</p> <p>3. Common bile duct: free of tumor</p> <p>4. allbladder: mild chronic inflammation with RokitanskyAschoff sinuses</p> <p>lymph nodes, labelled as superior mesenteric (0/1) suprarenal (0/3), aortic (0/1), midcolic (0/9) regional (0/8), (0/22): free of tumor</p>	G2	T3N0M0 (IIA)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
16	C	7,8	f	69	ductal-adenocarcinoma	<p>1. Pancreas with duodenum, common bile duct, stomach, whipple's operation: Adenocarcinoma, poorly differentiated, in head of pancreas with</p> <ol style="list-style-type: none"> <li>1) size: 3.5 cm in the greatest diameter</li> <li>2) extension to peripancreatic soft tissue, duodenal wall, superior mesentery vein (separately submitted)</li> <li>3) frequent perineural invasion</li> <li>4) intact resection margins including proximal (stomach).distal(duodenum), pancreas and common bile duct</li> <li>5) lymph node metastasis to 1 out of 14 lymph nodes (peripancreatic (1/6), No.3 (0/1), No.4 (0/0), No.5 (0/1),No.6 (0/0), and hepatoduodenal (0/6))</li> </ol> <p>2. Stomach: multifocal atrophic gastritis with intestinal metaplasia</p>	G3	T4N1M1 (IV)
17	C	9,10	m	66	ductal-adenocarcinoma	<p>1. Common bile duct, duodenum, pancreas, gallbladder and cystic duct, PPPD: Ductal adenocarcinoma of pancreas, poorly differentiated with</p> <ol style="list-style-type: none"> <li>1) size: 2x1.5x1 cm</li> <li>2) infiltrative growth and extension to ampulla of Vater,proper muscle layer of duodenum and periapncreatic soft tissue</li> <li>3) frequent perineural invasion</li> <li>4) intact resection margins including proximal and distal (duodenum, pancreatic, and common bile duct)</li> <li>5) no metastasis to regional lymph nodes peripancreatic(0/1), No.8(0/2), No.12(0/4)</li> <li>6) atrophy with fatty ingrowth in pancreas</li> </ol> <p>2. Gallbladder: acute and chronic cholecystitis with focal ulceration</p> <p>3. Small intestine, duodenum: free from tumor extension</p>	G3	T3N0MX (IIA)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
18	D	1,2	f	78	ductal-adenocarcinoma	<p>1. Stomach, duodenum, common bile duct, spleen, gallbladder, pancreas, whipple's operation:            Adenocarcinoma, moderately differentiated, arising from pancreatic duct in head portion with</p> <ol style="list-style-type: none"> <li>1) extension to the peripancreatic soft tissue and perisplenic soft tissue invasion showing perineural invasion</li> <li>2) resection margin, pancreatic: duct ectasia with mucinous hyperplasia</li> <li>3) resection margins, stomach, duodenum and common bile duct: free of tumor</li> <li>4) regional lymph nodes, peripancreatic (1/1), N4 (0/3), N5 (0/0), N6 (0/3), N10 (1/1) : (2/8): metastasis in 2 out of 8 lymph nodes</li> </ol> <p>2. Spleen: no pathological diagnosis</p>	G2	T3N1M0 (IIB)
19	D	3,4	m	47	ductal-adenocarcinoma	<p>1. Duodenum, pancreas, common bile duct, gallbladder and stomach, whipple's operation:            Pancreas: ductal adenocarcinoma, moderately differentiated with</p> <ol style="list-style-type: none"> <li>1) extension to the peripancreatic soft tissue and the wall of common bile duct, see note</li> <li>2) frequent venous invasion</li> <li>3) frequent perineural invasion</li> <li>4) resection margin, pancreatic, duodenal, stomach: free of tumor</li> <li>5) resection margin, common bile duct: massive mucosal necrosis with hemorrhage without evidence of tumor extension</li> </ol> <p>2. Common bile duct: total necrosis of the mucosa with extension of adenocarcinoma to the wall</p> <p>3. Duodenum: chronic nonspecific inflammation without tumor extension</p> <p>4. Gallbladder: chronic nonspecific inflammation with congestion and subserosal hemorrhage</p> <p>lymph nodes, labelled as No.2 (0/2), No.8 (0/3), No.14 (0/1), No.16 (3/5), omentum (0/10), regional (12/19) : (15/40): metastatic carcinoma in 15 out of 40 lymph nodes</p>	G2	T3N1M1 (IV)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
20	D	5,6	m	65	ductal-adenocarcinoma	<p>1. Pancreas, duodenum, stomach, gallbladder, common bile duct, whipple's operation: Pancreas: ductal adenocarcinoma, moderately differentiated with</p> <ol style="list-style-type: none"> <li>1) focal invasion to common bile duct</li> <li>2) capsule: free of tumor</li> <li>3) multiple retention cysts</li> <li>4) mucinous ductal hyperplasia of remaining pancreatic duct</li> <li>5) chronic pancreatitis</li> <li>6) resection margin, pancreas, common bile duct, stomach, duodenum: free of tumor</li> </ol> <p>2. Stomach: xanthoma</p> <p>3. Gallbladder: chronic cholecystitis with Rokitansky-Aschoff sinues regional lymph nodes, peripancreatic (0/5), periccommon bile duct (0/3), mesenteric (0/5), No.3 (0/2), No.4 (0/4), No.5 (0/1), No.6 (0/1), No.12 (0/2) : (0/23) : free of tumor in all 23 lymph nodes</p>	G2	T2N0M1 (IV)
21	D	7,8	m	61	ductal-adenocarcinoma	Pancreas, distal : extension of adenocarcinoma		T2N1M1 (IV)
22	D	9,10	m	69	ductal-adenocarcinoma	<p>1. Duodenum, pancreas, CBD, gallbladder and stomach, whipple's operation: Pancreas: mucinous adenocarcinoma of ductal type with</p> <ol style="list-style-type: none"> <li>1) extension to the duodenal wall (duodenal mucosa) and common bile duct wall</li> <li>2) occasional intraductal component</li> </ol> <p>2. Duodenum: brunner's gland hyperplasia</p> <p>3. Gallbladder: chronic nonspecific inflammation with many RokitanskyAschoff sinues</p> <p>4. Stomach, PRM: free of tumor</p> <p>5. Duodenum, DRM: free fo tumor</p> <p>6. Pancreas: free of tumor regional lymph nodes, N3 (0/0), N4 (0/1), N5 (0/0), N6 (0/3), periCBD (0/4), peripancreatic (0/5), mesenteric (0/5) : (0/18): free of tumor in all 18 lymph nodes</p>		T3N0M0 (IIA)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
23	E	1,2	f	78	ductal-adenocarcinoma	<p>1. Pancreas, common bile duct, duodenum and stomach, whipple's operation: Pancreas: ductal adenocarcinoma, moderately differentiated</p> <p>2. Stomach: flat adenoma with low grade epithelial dysplasia 1) resection margins, stomach, duodenum, common bile duct and pancreas: free of tumor</p> <p>3. Bile duct PRM, separate sent: free of tumor 1) bile duct margin, separately sent: free of tumor 2) regional lymph node, No.3 (0/2), No.4 (0/5), No.5 (0/2), No.6 (0/3), No.8 (0/5), No.12 (0/2), No.13 (0/1), peripancreatic (0/11) : (0/31): free of tumor</p> <p>4. Gallbladder, cholecystectomy: chronic nonspecific inflammation</p>	G2	T2N0M0 (IB)
24	E	3,4	m	66	ductal-adenocarcinoma	<p>1. Liver, gallbladder, CBD, pancreas, stomach and duodenum, whipple's operation and partial hepatectomy: Diffuse infiltrative adenocarcinoma, moderately differentiated, in gallbladder with 1) invasion to gallbladder bed of liver, cystic duct, CBD and pancreas and surrounding soft tissue 2) frequent perineural invasion 3) intact resection margins including stomach (proximal) duodenum (distal) and liver 4) dysplastic change of CBD resection margin 5) metastasis to 3 out of 18 lymph nodes (peripancreatic (0/4), No.3 (0/4), No.4 (0/4), No.5 (0/1), No.7,8 (1/2), No.14 (2/2) and No.12 (0/1))</p> <p>2. Liver: reactive hepatitis with congestion</p> <p>3. Stomach: no pathological diagnosis</p>	G2	T3N1M1 (IV)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
25	E	5,6	m	64	ductal-adenocarcinoma	<p>1. Pancreas, stomach, duodenum, CBD and gallbladder, whipple's operation: Ductal adenocarcinoma, mucinous differentiated, in head of pancreas with</p> <ol style="list-style-type: none"> <li>1) size: 4x4 cm</li> <li>2) extension to the peripancreatic soft tissue and involvement of peripheral resection margin</li> <li>3) presence of perineural invasion</li> <li>4) non-neoplastic pancreas showing marked chronic pancreatitis</li> <li>5) resection margins, stomach, duodenum: free of tumor</li> <li>6) resection margins, common bile duct: epithelial dysplasia, low grade</li> </ol> <p>2. Gallbladder: tubular adenoma of pyloric type</p> <p>3. Stomach: extensive atrophy with intestinal metaplasia regional lymph nodes: peripancreatic (4/11), periCBD (0/1), mesenteric (0/0), perigastric (0/2): (4/14): metastatic carcinoma in 4 out of 14 lymph nodes</p>	G2	T3N1M0 (IIB)
26	E	7,8	m	69	ductal-adenocarcinoma	<p>1. Duodenum, pancreas, common bile duct, gallbladder, whipple's operation: Pancreas: Papillary mucinous carcinoma, invasive with extension to peripancreatic soft tissue</p> <p>2. Common bile duct and gallbladder:</p> <ol style="list-style-type: none"> <li>1) chronic nonspecific inflammation without invasion of carcinoma</li> <li>2) resection margin, proximal, distal and common bile duct: free of tumor</li> <li>3) lymph nodes, peripancreatic (0/4), pericholecystic (0/1), left gastric (0/4), paraaortic (0/6), site unstated (0/1), mesenteric (0/7) : (0/23): free of tumor</li> </ol>		T3N0M1 (IV)
27	E	9,10	f	66	ductal-adenocarcinoma	<p>1. Pancreas, duodenum, common bile duct and gallbladder, whipple's operation: Mucinous adenocarcinoma arising from pancreatic duct with</p> <ol style="list-style-type: none"> <li>1) extension to the peripancreatic soft tissue</li> </ol> <p>2. Common bile duct: ulceration with reactive atypia probably associated with stent insertion</p> <p>3. Gallbladder: chronic nonspecific inflammation</p> <ol style="list-style-type: none"> <li>1) resectiin margins, duodenal (proximal), jejunal (distal): free of tumor</li> <li>2) resection margin, common bile duct: presence of tumor</li> <li>3) resection margin, pancreatic: presence of tumor involving peritoneal resection margin</li> <li>4) regional lymph nodes, mesenteric (0/4), pericommon bile duct (0/4), eripancreatic (0/5), celiac axis (0/2), LN8 (0/1) : (0/16): free of tumor in all 16 lymph nodes</li> </ol> <p>4. Specimen, labelled as "portal vein": free of tumor</p>		T3N0M0 (IIA)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
28	F	1,2	m	64	ductal-adenocarcinoma	<p>1. Pancreas, CBD, duodenum and gallbladder, whipple's operation: Ductal adenocarcinoma, moderately differentiated, arising in pancreatic duct with</p> <ol style="list-style-type: none"> <li>1) size: 1.5x1 cm</li> <li>2) extension to peripancreatic soft tissue</li> <li>3) frequent perineural invasion</li> <li>4) perineural metastasis in pancreatic resection margin</li> <li>5) low grade dysplasia in CBD resection margin</li> </ol> <p>2. Gallbladder: Rokitansky-Aschoff sinus</p> <ol style="list-style-type: none"> <li>1) omentum: free of tumor</li> <li>2) regional lymph nodes: free of tumor (0/5)</li> </ol>	G2	T3NXM1 (IV)
29	F	3,4	m	60	ductal-adenocarcinoma	<p>1. Pancreas, duodenum, common bile duct and gallbladder, PPPD: Adenocarcinoma, moderately differentiated, in head of pancreas, probably arising from minor pancreatic duct with</p> <ol style="list-style-type: none"> <li>1) size: about 2.5 cm in the greatest diameter</li> <li>2) prominent perineural invasion</li> <li>3) multifocally involvement at peripancreatic soft tissue and a lymph node</li> <li>4) intact resection margins including those of common bile duct, pancreas, duodenum and jejunum</li> <li>5) no metastasis to lymph nodes (0/7: peripancreatic (0/5), and No.1(0/1) and No.8 (0/1))</li> </ol> <p>2. Gallbladder: chronic cholecystitis without tumor</p>	G2	T3N1M0 (IIB)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
30	F	5,6	m	63	ductal-adenocarcinoma	<p>1. Pancreas and soft tissue, distal pancreatectomy: Adenocarcinoma, moderately differentiated, in the tail area with</p> <ol style="list-style-type: none"> <li>1) size: 5x4.5x3 cm</li> <li>2) moderately differentiated</li> <li>3) diffuse infiltration to surrounding peripancreatic fatty tissue including lymph node and left adrenal gland</li> <li>4) perineural invasion</li> <li>5) intact pancreatic resection margin</li> <li>6) no metastasis to peripancreatic lymph node (0/7) and perihilar lymph node of spleen (0/1)</li> <li>7) chronic pancreatitis with parenchymal atrophy and dense fibrosis</li> <li>8) ectopic spleen in the surrounding adipose tissue</li> </ol> <p>2. Spleen: free from tumor extension</p>	G2	T3N1M0 (IIB)
31	F	7,8	m	74	ductal-adenocarcinoma	<p>1. Pancreas, duodenum, common bile duct, gallbladder and cystic duct, PPPD: Intraductal papillary mucinous tumor, malignant with</p> <ol style="list-style-type: none"> <li>1) size: 4x3.5x3 cm.</li> <li>2) extension to peripancreatic adipose tissue</li> <li>3) perineural invasion</li> <li>4) chronic pancreatitis with parenchymal atrophy, and multifocal mucin pool formation</li> <li>5) intact resection margins including duodenal, common bile duct, and peripancreatic soft tissue</li> <li>6) pancreatic resection margin:</li> <li>7) no metastasis to regional lymph nodes ((0/27), greater curvature of stomach (0/4), duodenal mesentery (0/8), peripancreatic (0/12) and No.8 (0/3))</li> </ol> <p>2. Gallbladder: autolysis without tumor extension</p>		T3N0M0 (IIA)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
32	F	9,10	m	43	endocrine-carcinoma	<p>1. Pancreas, duodenum, common bile duct, gallbladder with cystic duct, and stomach, whipple's operation: neuroendocrine carcinoma, intermediate cell type, in pancreas with</p> <ol style="list-style-type: none"> <li>1) size: 7x5x5 cm</li> <li>2) extension to duodenum and peripancreatic soft tissue</li> <li>3) no metastasis to regional lymph nodes (0/21:peripancreatic (0/3), pericommn bile duct (0/2), perigastric (0/9), pericolic (0/1), mesentery (0/5) and No.12 (0/1))</li> <li>4) chronic pancreatitis</li> <li>5) resection margins, proximal (stoamch), distal (duodenum), common bile duct</li> <li>6) pancreas: free from tumor extension</li> </ol> <p>2. Gallbladder: chronic cholecystitis without tumor metastasis</p> <p>3. Stomach, duodenum : no pathological diagnosis</p> <p>5. Sigmoid colon, separately submitted: subserosal fibrosis without tumor metastasis</p>		

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
33	G	1,2	m	60	ductal-adenocarcinoma	<p>1. Duodenum, pancreas, common bile duct, and gallbladder with cystic duct, PPPD:            Ductal adenocarcinoma, moderately differentiated, in head of pancreas with</p> <ol style="list-style-type: none"> <li>1) size: 2.5x2x1 cm</li> <li>2) infiltrative growth</li> <li>3) extension to periampullary region, and peripancreatic soft tissue</li> <li>4) frequent perineural invasion</li> <li>5) duct ectasia, atrophic parenchyma and marked interstitial fibrosis</li> <li>6) intact resection margins including proximal and distal (duodenum), and common bile duct</li> <li>7) atypical ductal epithelial hyperplasia at resection margin of pancreas</li> <li>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))</li> </ol>	G2	T3N0M0 (IIA)
34	G	3,4	m	75	ductal-adenocarcinoma	<p>1. Pancreas, whipple's op:            Moderate to poorly differentiated adenocarcinoma of pancreatic ductal origin involving the pancreatic head and the regional pancreaticoduodenal nodes (3/3)</p> <ol style="list-style-type: none"> <li>1) '8p': metastatic adenocarcinoma in a lymph node (1/4)</li> <li>2) 14: metastatic adenocarcinoma in a lymph node (1/1)</li> <li>3) Intercaval ln: metastatic adenocarcinoma (2/2)</li> <li>4) nerve: peripheral nerve with no pathologic diagnosis</li> </ol>	G2-G3	T2N1MX (IIB)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
35	G	5,6	f	46	ductal-adenocarcinoma	<p>1. Pancreas, CBD, liver, gallbladder, stomach and duodenum: Adenocarcinoma, moderately to poorly differentiated, in pancreas and liver with</p> <ol style="list-style-type: none"> <li>1) size: pancreas (4x4x3.5 cm) and liver (4x3.5x3.5 cm)</li> <li>2) dense fibrosis and significant necrosis</li> <li>3) frequent lymphovascular and neural invasion</li> <li>4) invasion to common bile duct</li> <li>5) intact resection margins including proximal (stomach), duodenum (distal), pancreatic and hepatic</li> <li>6) dysplasia on CBD resection margin</li> <li>7) metastasis to 9 out of 26 of lymph nodes (9/26) : No.3 (0/0), No.4 (0/4), No.6 (3/13), No.8 (1/4), No.12 (1/1), paraaortic (1/1), peripancreatic (3/3))</li> </ol> <p>2. Gallbladder: focal dysplastic change</p> <p>3. Stomach and duodenum: no pathological diagnosis</p>	G2-G3	T3N1M1 (IV)

**A207: Pancreas cancer tissues**

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
36	G	7,8	f	65	endocrine-carcinoma	<p>1. Stomach, duodenum, common bile duct, gallbladder with cystic duct and pancreas, whipple's operation:            Pancreas: endocrine carcinoma, low grade with            1) size: 3x2.5x2.5 cm            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))</p> <p>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</p> <p>* Results of immunohistochemical staining            Synaptophysin, Chromogranin, S-100 protein: Positive reaction            Cytokeratin, insulin: Negative reaction            Glucogen: Equivocal positive reaction</p>		

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No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis	Grade	TNM Stage
37	G	9,10	f	60	ductal-adenocarcinoma	<p>1. Head of pancreas, duodenum, common bile duct, whipple' operation: Anaplastic carcinoma with</p> <ol style="list-style-type: none"> <li>1) foci of well-differentiated papillary adenocarcinoma</li> <li>2) extension to peripancreatic soft tissue</li> <li>3) perineural invasion</li> <li>4) chronic pancreatitis</li> <li>5) resection margins, proximal and distal duodenal, common bile duct, pancreatic: free of tumor</li> </ol> <p>2. Gallbladder, cholecystectomy:</p> <ol style="list-style-type: none"> <li>1) acute and chronic nonspecific inflammation</li> <li>2) lymph nodes, peripancreatic (0/7), omental (0/3), node.around superior mesenteric artery (1/3), intercaval (0/12), N6 (0/0), N12( 0/6), N14 (0/4) : (1/29): metastatic carcinoma in 1 out of 29 nodes</li> </ol> <p>3. Nerve, peripancreatic: fibrofatty tissue with nerve fibers</p>	G4	T3N1M1 (IV)