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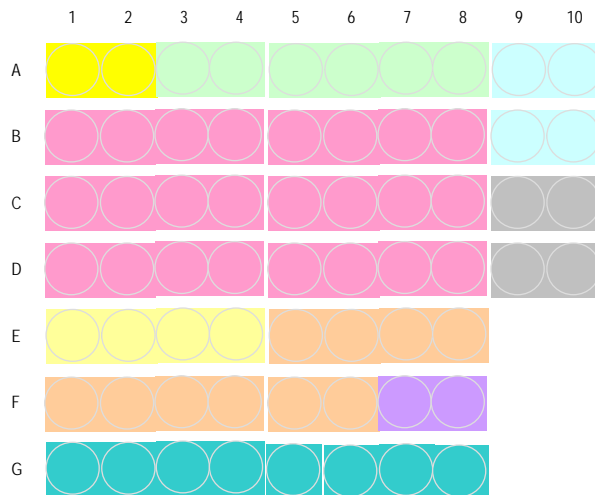
Specifications:

- No. of cases: 30
- Tissue type: Pancreas cancer tissues
- No. of spots: 2 spots from each cancer case (60 spots)
4 non-neoplastic spots (4 spots)
- Total spots: 64
- Corresponding normal tissues with cancers: Yes
- Diameter: 1.5 mm

Documents:

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

Layout:



- : well differentiated (G1)
- : well to moderately differentiated (G1-G2)
- : moderately differentiated (G2)
- : moderately to poorly differentiated (G2-G3)
- : poorly differentiated (G3)
- : undifferentiated (G4)
- : endocrine
- : non-neoplastic
- : ect

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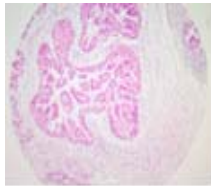
Summary of tissue spots

No	Coordinat	Sex	Age	Keyword	Grade	TNM stage	
1	A	1,2	m	42	Adenocarcinoma	1	T4N3M0(III)
2		3,4	m	58	Adenocarcinoma	1~2	T3N1M0(II B)
3		5,6	m	47	Adenocarcinoma	1~2	T2N1M0(II B)
4		7,8	m	64	Adenocarcinoma	1~2	T1N1M0(II B)
5		9,10	f	64	Endocrine carcinoma		
6	B	1,2	m	63	Adenocarcinoma	2	T3N1M0(II B)
7		3,4	f	78	Adenocarcinoma	2	T3N0M0(II A)
8		5,6	m	48	Adenocarcinoma	2	T3N0M0(II A)
9		7,8	f	72	Adenocarcinoma	2	T3N1M0(II B)
10		9,10	m	41	Neuroendocrine carcinoma		
11	C	1,2	m	41	Adenocarcinoma	2	T3N1M1(IV)
12		3,4	m	60	Adenocarcinoma	2	T2N0M1(IV)
13		5,6	f	75	Adenocarcinoma	2	T2N0M0(I B)
14		7,8	f	64	Adenocarcinoma	2	T3N1M1(IV)
15		9,10	m	64	Non-neoplastic from A7,8		
16	D	1,2	m	62	Adenocarcinoma	2	T3N1M0(II B)
17		3,4	m	62	Adenocarcinoma	2	T3NxM1(IV)
18		5,6	m	62	Adenocarcinoma	2	T3N1M0(II B)
19		7,8	m	60	Adenocarcinoma	2	T3N0M0(II A)
20		9,10	m	62	Non-neoplastic from D5,6		
21	E	1,2	m	66	Adenocarcinoma	2~3	T2N1Mx(II B)
22		3,4	f	44	Adenocarcinoma	2~3	T3N1M1(IV)
23		5,6	m	55	Adenocarcinoma	3	T3N1M1(IV)
24		7,8	m	58	Adenocarcinoma	3	T3N0M0(II A)
25	F	1,2	f	60	Adenocarcinoma	3	T3NxM0(II A)
26		3,4	f	67	Adenocarcinoma	3	T4N1M1(IV)
27		5,6	m	66	Adenocarcinoma	3	T3N0Mx(II A)
28		7,8	f	53	Anaplastic carcinoma Papillary adenocarcinoma	4	T3N1M1(IV)
29	G	1,2	m	53	Adenocarcinoma		T2N1M1(IV)
30		3,4	m	64	Mucinous adenocarcinoma		T3N0M0(II A)
31		5,6	m	64	Papillary carcinoma Intraductal papillary mucinous carcinoma		T3N0M1(IV)
32		7,8	f	62	Mucinous adenocarcinoma		T3N0M0(II A)

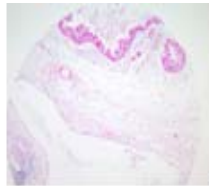
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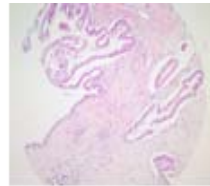
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Hematoxylin and Eosin staining**



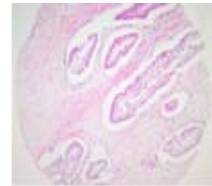
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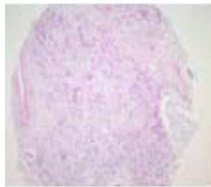
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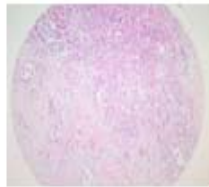
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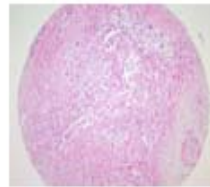
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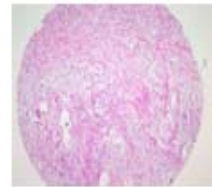
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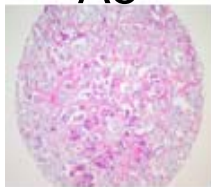
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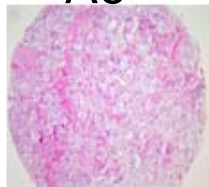
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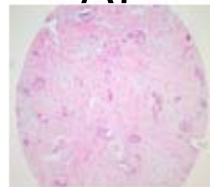
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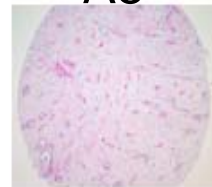
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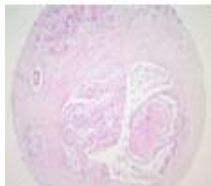
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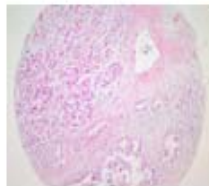
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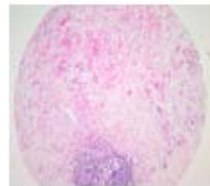
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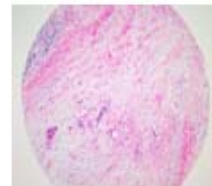
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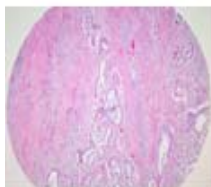
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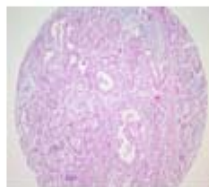
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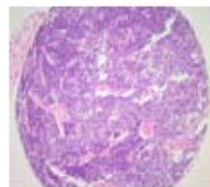
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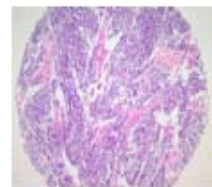
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B8



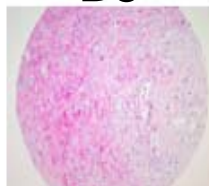
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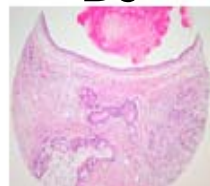
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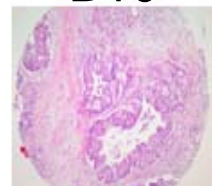
C1



C2



C3

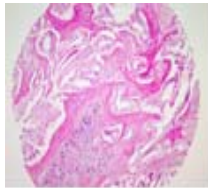


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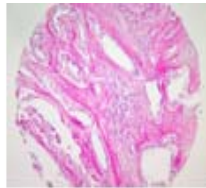
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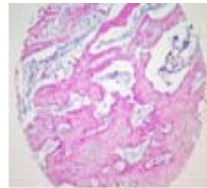
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Hematoxylin and Eosin staining**



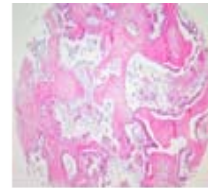
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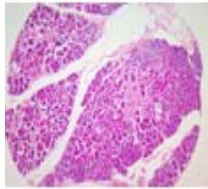
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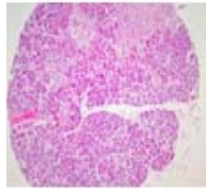
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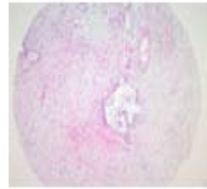
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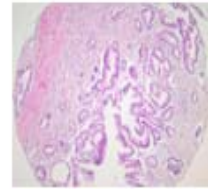
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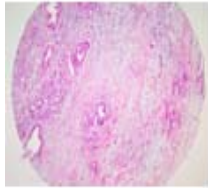
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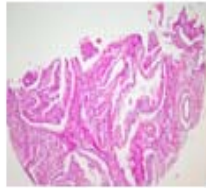
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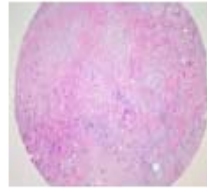
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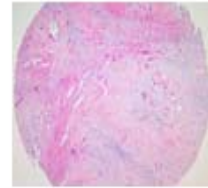
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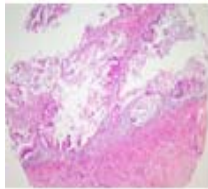
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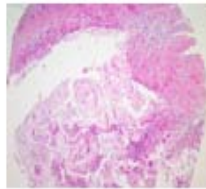
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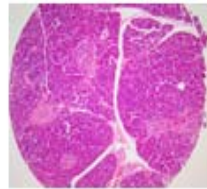
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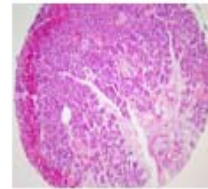
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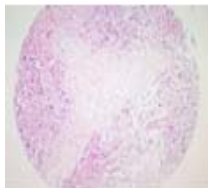
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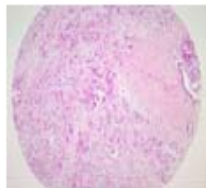
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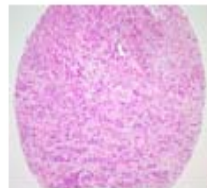
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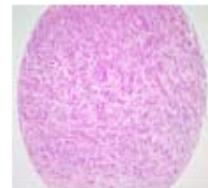
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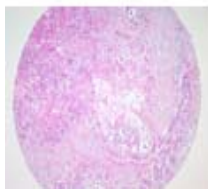
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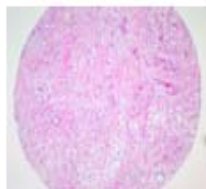
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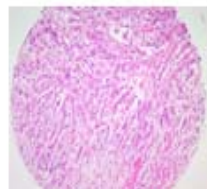
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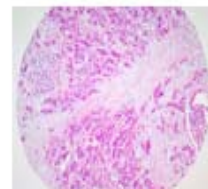
E5



E6



E7

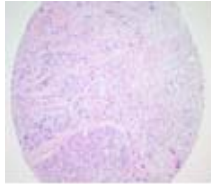


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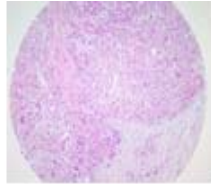
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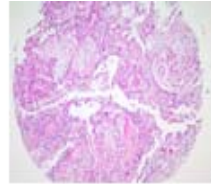
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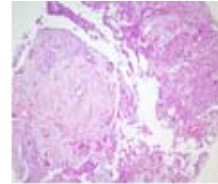
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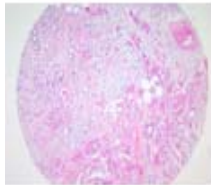
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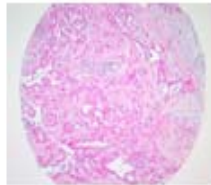
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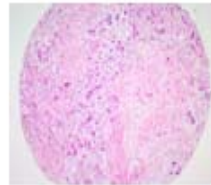
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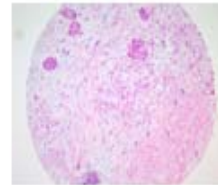
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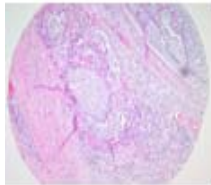
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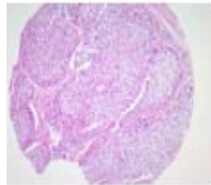
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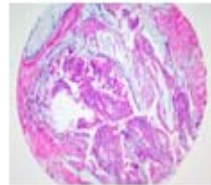
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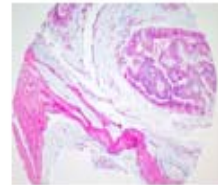
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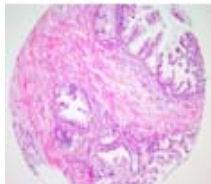
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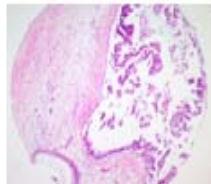
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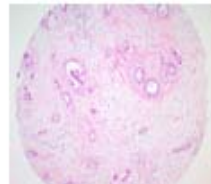
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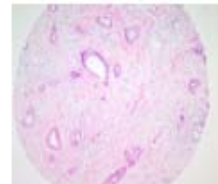
G5



G6



G7



G8

A207(II): Pancreas cancer tissues

No	Coordinate		Sex	Age	Keyword	Diagnosis	Grade	TNM stage
1	A	1,2	m	42	adenocarcinoma	<p>1. Pancreas, pancreatectomy:</p> <p>1) mucinous adenocarcinoma, well differentiated</p> <p>2) mucinous duct ectasia</p> <p>3) chronic pancreatitis</p> <p>4) resection margin pancreas: free of tumor</p> <p>5) lymph node, regional (0/5): free of tumor</p> <p>2. Spleen: free of tumor.</p>	1	T4N3M0(III)
2	A	3,4	m	58	adenocarcinoma	<p>1. Pancreas, duodenum, common bile duct and gallbladder, whipples' operation:</p> <p>1) pancreas, duct cell adenocarcinoma, moderately well differentiated with</p> <ul style="list-style-type: none"> - with extension to peripancreatic soft tissue - without invasion of duodenum <p>2) rema inde pancreas, marked atrophy of acini, fibrosis and inflammatory infiltration, secondary to obstruction and chronic pancreatitis</p> <p>3) resection margins, duodenum, pancreas, and common bile duct, free of tumor</p> <p>4) regional lymph node, peripancreatic(0/5), periduodenal(2/3),(2/8), metastatic adenocarcinoma in two out of 8 nodes.</p> <p>2. Gallbladder: chronic nonspecific inflammation.</p>	1~2	T3N1M0(II B)
3	A	5,6	m	47	adenocarcinoma	<p>1. Pancreas, distal pancreatectomy:</p> <p>1) adenocarcinoma, moderately well differentiated, with 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)</p> <p>5) metastasis in 3 out of 5 nodes.</p>	1~2	T2N1M0(II B)

A207(II): Pancreas cancer tissues

No	Coordinate		Sex	Age	Keyword	Diagnosis	Grade	TNM stage
4	A	7,8	m	64	adenocarcinoma	<p>1. Pancreas, duodenum, and gallbladder, whipple's operation:</p> <p>1) Pancreatic ductal adenocarcinoma, moderately well differentiated, involving pancreatic head, with metastases to the regional lymph nodes(6/13)</p> <p>2) chronic pancreatitis, focal</p> <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 unremarkable. There is no neoplastic extension to ampulla of Vater or duodenum.</p>	1~2	T1N1M0(II B)
5	A	9,10	f	64	endocrine carcinoma	<p>1. Stomach, duodenum, common bile duct, gallbladder with cystic duct and pancreas, whipple's operation:</p> <p>1) pancreas: endocrine carcinoma, low grade</p> <ul style="list-style-type: none"> - size: 3x2.5x2.5cm - well demarcated but not encapsulated appearance (expanding growth) - trabecular histologic type - rare mitotic figure: less than 1/10HPF - angioinvasion - extension to peripancreatic soft tissue and lymph node - intact resection margins including proximal (stomach), distal(duodenum), common bile duct and pancreatic margin - free from tumor extension of all lymph nodes (peripancreatic(0/7), perigastric(0/6), periductal (0/1), and No.13(0/1)) <p>2) gallbladder: autolysis without tumor extension</p> <p>3) stomach: chronic atrophic gastritis with intestinal metaplasia and no extension of the tumor</p> <p>4) duodenum: free from tumor extension</p> <p>5)results of immunohistochemical staining</p> <ul style="list-style-type: none"> -synaptophysin, chromogranin, s-100 protein:positive reaction -cytokeratin, insulin: negative reaction -glucogen: equivocal positive reaction . 		

A207(II): Pancreas cancer tissues

No	Coordinate		Sex	Age	Keyword	Diagnosis	Grade	TNM stage
6	B	1,2	m	63	adenocarcinoma	<p>1. Pancreas, distal pancreatectomy:</p> <p>1) ductal adenocarcinoma, moderately differentiated, extending to peripancreatic soft tissue</p> <p>2) remained pancreas, chronic pancreatitis with duct</p> <p>3) resection margin, Free of tumor</p> <p>4) regional lymph node, peripancreatic(1/7), paraaortic(0/7),(1/14), setastatic adenocarcinoma</p> <p>5) sartery, splenic, atherosclerosis</p> <p>6) adrenal gland, separately submitted as adrenal node, free of tumor</p> <p>2. Spleen, splenectomy:congestion.</p>	2	T3N1M0(II B)
7	B	3,4	f	78	adenocarcinoma	<p>1. Pancreas, duodenum, common bile duct, gallbladder, whipple's operation:</p> <p>adenocarcinoma of ductal type, modereatly-well differentiated, arising in common bile duct with focal invasion into the adjacent peripancreatic fat and pancreas, focal chronic pancreatitis</p> <p>1) lymph nodes, omentum(0/3), peri-common bile duct(0/3), free of tumor</p> <p>2) lymph node, No.8(0/1), benign reactive lymph node</p> <p>Note: Common bile duct resection margin, duodenal and pancreas resection margins are free of tumor involvement.</p>	2	T3N0M0(II A)
8	B	5,6	m	48	adenocarcinoma	<p>1. Pancreas, duodenum, common bile duct and gallbladder, whipple's operation:</p> <p>1) pancreas: ductal adencarcinoma, moderately differentiated with extension directly to the peripancreatic soft tissue</p> <p>2) duodenum: – focal erosion with acute and chronic nonspecific inflammmation</p> <p>– free of tumor</p> <p>3) common bile duct: free of tumor</p> <p>4) gallbladder: mild chronic inflammation with rokitanskyaschoff sinuses</p> <p>5) resection margins, pancreatic: free of tumor</p> <p>6) resection margins, duodenum: free of tumor</p> <p>7) 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>	2	T3N0M0(II A)

A207(II): Pancreas cancer tissues

No	Coordinate		Sex	Age	Keyword	Diagnosis	Grade	TNM stage
9	B	7,8	f	72	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 extension to the peripancreatic soft tissue and perisplenic soft tissue invasion showing perineural invasion</p> <p>1) resection margin, pancreatic: Duct ectasia with mucinous hyperplasia 2) resection margins, stomach, duodenum and common bile duct: free of tumor 3) 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 4) spleen: no pathological diagnosis 5) hepaticoduodenal ligament: free of tumor.</p>	2	T3N1M0(II B)
10	B	9,10	m	41	neuroendocrine 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> <p>1) size: 7x5x5cm 2) extension to duodenum and peripancreatic soft tissue 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)) 4) chronic pancreatitis 5) resection margins, proximal(stoamch), distal(duodenum), common bile duct, pancreas: Free from tumor extension 6) gallbladder: Chronic cholecystitis without tumor metastasis 7) stomach; No pathological diagnosis 8) duodenum: No pathological diagnosis 9) sigmoid colon, separately submitted: subserosal fibrosis without tumor metastasis.</p>		

A207(II): Pancreas cancer tissues

No	Coordinate	Sex	Age	Keyword	Diagnosis	Grade	TNM stage
11	C 1,2	m	41	adenocarcinoma	<p>1. Duodenum, pancreas, common bile duct, gallbladder and stomach, whipple's operation:</p> <p>1) pancreas: Ductal adenocarcinoma, moderately differentiated with</p> <ul style="list-style-type: none"> - extension to the peripancreatic soft tissue and the wall of common bile duct - frequent venous invasion - frequent perineural invasion - resection margin, pancreatic, duodenal, stomach: free of tumor - resection margin, common bile duct: massive mucosal necrosis with hemorrhage without evidence of tumor extension <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>5) lymph nodes, labelled as No.2(0/2), No.8(0/3), No.14(0/1), No.16(3/5), omentum(0/10), nal(12/19):(15/40): metastatic carcinoma in 15 out of 40 lymph nodes.</p>	2	T3N1M1(IV)
12	C 3,4	m	60	adenocarcinoma	<p>Pancreas, duodenum, stomach, gallbladder, common bile duct, whipple's operation:</p> <p>1) pancreas: Ductal adenocarcinoma, moderately differentiated with</p> <ul style="list-style-type: none"> - focal invasion to common bile duct - capsule: free of tumor <p>2) multiple retention cysts</p> <p>3) mucinous ductal hyperplasia of remaining pancreatic duct</p> <p>4) chronic pancreatitis</p> <p>5) resection margin, pancreas, common bile duct, stomach, duodenum: free of tumor.</p> <p>6) stomach: xanthoma</p> <p>7) gallbladder: chronic cholecystitis with Rokitansky-Aschoff sinues</p> <p>8) regional lymph nodes, peripancreatic(0/5), pericommmon 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>	2	T2N0M1(IV)

A207(II): Pancreas cancer tissues

No	Coordinate	Sex	Age	Keyword	Diagnosis	Grade	TNM stage
13	C 5,6	f	75	adenocarcinoma	<p>1. Pancreas, common bile duct, duodenum and stomach, whipple's operation:</p> <p>1) pancreas: Ductal adenocarcinoma, moderately differentiated</p> <p>2) stomach: flat adenoma with low grade epithelial dysplasia</p> <p>3) resection margins, stomach, duodenum, common bile duct and pancreas: free of tumor</p> <p>4) bile duct proximal resection margin, separate sent: free of tumor</p> <p>5) bile duct margin, separately sent: free of tumor</p> <p>6) 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>	2	T2N0M0(I B)
14	C 7,8	f	64	adenocarcinoma	<p>Liver, gallbladder, common bile duct, pancreas, stomach and duodenum, whipple's operation and partial hepatectomy:</p> <p>diffuse infiltrative adenocarcinoma, moderately differentiated, in gallbladder with</p> <p>1) invasion to gallbladder bed of liver, cystic duct, common bile duct and pancreas and surrounding soft tissue</p> <p>2) frequent perineural invasion</p> <p>3) intact resection margins including stomach(proximal) duodenum(distal) and liver</p> <p>4) dysplastic change of CBD resection margin</p> <p>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>6) liver: Reactive hepatitis with congestion</p>	2	T3N1M1(IV)
15	C 9,10	m	64	non-neoplastic	non-neoplastic from A7,8		

A207(II): Pancreas cancer tissues

No	Coordinate	Sex	Age	Keyword	Diagnosis	Grade	TNM stage
16	D 1,2	m	62	adenocarcinoma	<p>Pancreas, stomach, duodenum, common bile duct and gallbladder, whipple's operation:</p> <p>ductal adenocarcinoma, mucinous differentiated, in head of pancreas with</p> <ol style="list-style-type: none"> 1) size: 4x4cm 2) extension to the peripancreatic soft tissue and involvement of peripheral resection margin 3) presence of perineural invasion 4) non-neoplastic pancreas showing marked chronic pancreatitis 5) Resection margins, stomach, duodenum: free of tumor 6) resection margins, common bile duct: epithelial dysplasia, low grade 7) gallbladder: tubular adenoma of pyloric type 8) stomach: extensive atrophy with intestinal metaplasia 9) 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. 	2	T3N1M0(II B)
17	D 3,4	m	62	adenocarcinoma	<p>Pancreas, common bile duct, duodenum and gallbladder, whipple's operation:</p> <p>ductal adenocarcinoma, moderately differentiated, arising in pancreatic duct with</p> <ol style="list-style-type: none"> 1) size: 1.5x1cm 2) Extension to peripancreatic soft tissue 3) frequent perineural invasion 4) perineural metastasis in pancreatic resection margin 5) low grade dysplasia in CBD resection margin 6) gallbladder: Rokitansky-Aschoff sinus 7) omentum: free of tumor 	2	T3NxM1(IV)

A207(II): Pancreas cancer tissues

No	Coordinate	Sex	Age	Keyword	Diagnosis	Grade	TNM stage
18	D 5,6	m	62	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>	2	T3N1M0(II B)
19	D 7,8	m	60	adenocarcinoma	<p>Duodenum, pancreas, common bile duct, and gallbladder with cystic duct: ductal adenocarcinoma, moderately differentiated, in head of pancreas with</p> <ol style="list-style-type: none"> 1) size: 2.5x2x1cm 2) infiltrative growth 3) extension to periampullry region, and peripancreatic soft tissue 4) frequent perineural invasion 5) duct ectasia, atrophic parenchyma and marked interstitial fibrosis 6) intact resection margins including proximal and distal (duodenum), and common bile duct 7) atypical ductal epithelial hyperplasia at resection margin of pancreas 8) no metastasis to regional lymph nodes (peripancreatic(0/6), pericommn bile duct(0/2), pericolic(0/3), No.6(0/5), No.8(0/5)). 	2	T3N0M0(II A)
20	D 9,10	m	62	non-neoplastic	non-neoplastic from D5,6		
21	E 1,2	m	66	adenocarcinoma	<p>Pancreas, Wipple's operation:</p> <ol style="list-style-type: none"> 1) moderate to poorly differentiated adenocarcinoma of pancreatic ductal origin involving the pancreatic head and the regional pancreaticoduodenal nodes (3/3) 2) 8p: metastatic adenocarcinoma in a lymph node (1/4) 3) 14: metastatic adenocarcinoma in a lymph node (1/1) 4) intercaval lymph node: metastatic adenocarcinoma (2/2) 	2~3	T2N1Mx(II B)

A207(II): Pancreas cancer tissues

No	Coordinate		Sex	Age	Keyword	Diagnosis	Grade	TNM stage
22	E	3,4	f	44	adenocarcinoma	<p>Pancreas, common bile duct, liver, gallbladder, stomach and duodenum: adenocarcinoma, moderately to poorly differentiated, in pancreas and liver with</p> <ol style="list-style-type: none"> 1) size: pancreas(4x4x3.5cm) and liver(4x3.5x3.5cm) 2) dense fibrosis and significant necrosis 3) frequent lymphovascular and neural invasion 4) invasion to common bile duct 5) intact resection margins including proximal(stomach), duodenum(distal), pancreatic and hepatic 6) dysplasia on CBD resection margin 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)) 8) gallbladder: focal dysplastic change 9) stomach and duodenum: no pathological diagnosis. 	2~3	T3N1M1(IV)
23	E	5,6	m	55	adenocarcinoma	<ol style="list-style-type: none"> 1.Stomach, total gastrectomy: <ol style="list-style-type: none"> 1) poorly differentiated tubular adenocarcinoma mixed with signet ring cell carcinoma, ulceroinfiltrative type, with extension to the perigastric fatty tissue 2) resection margin, proximal(esophagus) and distal(duodenum): free of tumor 2.Pancreas, pancreatectomy: <ol style="list-style-type: none"> 1) ductal adenocarcinoma, poorly differentiated with extension to peri-pancreatic soft tissue and with involvement of spleen 2) pancreas, resection margin: free of tumor 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. 3.Soft tissue, separately submitted as node N2 and N10: extension of adenocarcinoma. (no lymph node tissue is identified) 4.Transverse colon, segmental colectomy: free of tumor. 	3	T3N1M1(IV)

A207(II): Pancreas cancer tissues

No	Coordinate	Sex	Age	Keyword	Diagnosis	Grade	TNM stage
24	E 7,8	m	58	adenocarcinoma	<p>Pancreas, common bile duct, duodenum, jejunum, and stomach, Whipple's operation:</p> <p>ductal adenocarcinoma, poorly differentiated, in head of pancreas with</p> <ol style="list-style-type: none"> 1) size: 2.5cm in the greater diameter 2) infiltrative growth 3) extension to duodenal wall, ampulla of Vater, common bile duct and peripancreatic soft tissue 4) frequent lymphovascular and perineural invasion 5) intact resection margins including proximal(stomach),distal(jejunum), common bile duct and pancreas 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)) 7) stomach: Chronic atrophic gastritis with extensive intestinal metaplasia 8) small intestine: No pathological diagnosis 9) multifocal enzymatic fatty necrosis in the omentum. 	3	T3N0M0(II A)
25	F 1,2	f	60	adenocarcinoma	<ol style="list-style-type: none"> 1.Pancreas, distal pancreatectomy: ductal adenocarcinoma, moderately differentiated with <ol style="list-style-type: none"> 1) size: 2x1.5x1.3cm 2) extension to peripancreatic soft tissue 3) vascular and perineural invasion 4) chronic pancreatitis with marked fibrosis, acinar atrophy and ductal hyperplasia surrounding nonneoplastic pancreas 5) intact resection margin 2.Spleen, splenectomy: congestion without metastasis 3.Lymph nodes, splenic hilar: free from tumor extension(0/2). 	3	T3NxM0(II A)

A207(II): Pancreas cancer tissues

No	Coordinate	Sex	Age	Keyword	Diagnosis	Grade	TNM stage
26	F 3,4	f	67	adenocarcinoma	<p>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"> 1) size: 3.5cm in the greatest diameter 2) extension to peripancreatic soft tissue, duodenal wall, superior mesentery vein (separately submitted) 3) frequent perineural invasion 4) intact resection margins including proximal(stomach). distal(duodenum), pancreas and common bile duct 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)) 	3	T4N1M1(IV)
27	F 5,6	m	66	adenocarcinoma	<p>Common bile duct, duodenum, pancreas, gallbladder and cystic duct: ductal adenocarcinoma of pancreas, poorly differentiated with</p> <ol style="list-style-type: none"> 1) size: 2x1.5x1cm 2) infiltrative growth and extension to ampulla of Vater, proper muscle layer of duodenum and periapncreatic soft tissue 3) frequent perineural invasion 4) intact resection margins including proximal and distal(duodenum, pancreatic, and common bile duct) 5) no metastasis to regional lymph nodes(peripancreatic(0/1), No.8(0/2), No.12(0/4)) 6) atrophy with fatty ingrowth in pancreas 7) gallbladder: acute and chronic cholecystitis with focal ulceration 8) small intestine, duodenum: free from tumor extension. 	3	T3N0Mx(II A)

A207(II): Pancreas cancer tissues

No	Coordinate	Sex	Age	Keyword	Diagnosis	Grade	TNM stage
28	F 7,8	f	53	anaplastic carcinoma papillary adenocarcinoma	<p>1.Head of pancreas, duodenum, common bile duct, Whipple's operation:</p> <p>1) anaplastic carcinoma with</p> <ul style="list-style-type: none"> - foci of well-differentiated papillary adenocarcinoma - extension to peripancreatic soft tissue - perineural invasion <p>2) chronic pancreatitis</p> <p>3) resection margins, proximal and distal duodenal, common bile duct, pancreatic: free of tumor</p> <p>2.Gallbladder, cholecystectomy: acute and chronic nonspecific inflammation</p> <p>3.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</p> <p>4. Nerve, peripancreatic: fibrofatty tissue with nerve fibers.</p>	4	T3N1M1(IV)
29	G 1,2	m	53	adenocarcinoma	Pancreas, distal: extension of adenocarcinoma.		T2N1M1(IV)
30	G 3,4	m	64	mucinous adenocarcinoma	<p>Duodenum, pancreas, common bile duct, gallbladder and stomach, whipple's operation:</p> <p>1) pancreas: Mucinous adenocarcinoma of ductal type with</p> <ul style="list-style-type: none"> - extension to the duodenal wall(duodenal mucosa) and common bile duct wall - occasional intraductal component <p>2) duodenum: Brunner's gland hyperplasia</p> <p>3) gallbladder: chronic nonspecific inflammation with many Rokitansky-Aschoff sinuses</p> <p>4) resection margin:</p> <ul style="list-style-type: none"> - stomach, proximal resection margin: free of tumor - duodenum, disital resection margin: free fo tumor - pancreas: free of tumor <p>5) regional lymph nodes, N3(0/0), N4(0/1), N5(0/0), N6(0/3), periccommon bile duct(0/4), peripancreatic(0/5), mesenteric(0/5):(0/18): free of tumor in all 18 lymph nodes.</p>		T3N0M0(II A)

A207(II): Pancreas cancer tissues

No	Coordinate		Sex	Age	Keyword	Diagnosis	Grade	TNM stage
31	G	5,6	m	64	papillary carcinoma intraductal papillary mucinous carcinoma	Duodenum, pancreas, common bile duct, gallbladder, whipple's operation: 1) pancreas: Papillary mucinous carcinoma, invasive with extension to peripancreatic soft tissue 2) common bile duct and gallbladder: chronic nonspecific inflammation without invasion of carcinoma 3) resection margin, proximal, distal and common bile duct: free of tumor 4) 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.		T3N0M1(IV)
32	G	7,8	f	62	mucinous adenocarcinoma	Pancreas, duodenum, common bile duct and gallbladder, whipple's operation: 1) mucinous adenocarcinoma arising from pancreatic duct with extension to the peripancreatic soft tissue 2) common bile duct: Ulceration with reactive atypia probably associated with stent insertion 3) gallbladder: chronic nonspecific inflammation 4) resectiin margins, duodenal(proximal), jejunal(distal): free of tumor 5) resection margin, common bile duct: presence of tumor 6) resection margin, pancreatic: presence of tumor involving peritoneal resection margin 7) regional lymph nodes, mesenteric(0/4), pericommon bile duct(0/4), peripancreatic(0/5), celiac axis(0/2), lymph node8(0/1):(0/16): free of tumor in all 16 lymph nodes.		T3N0M0(II A)