

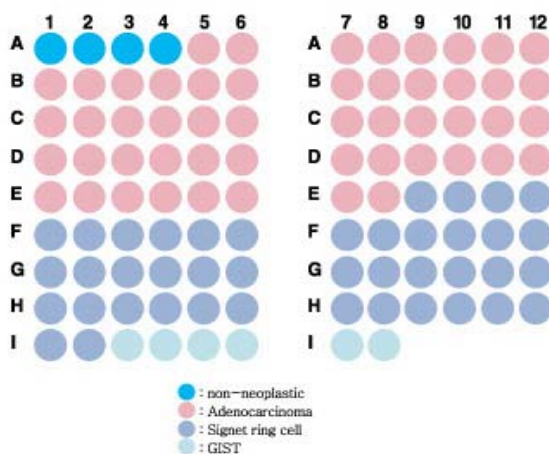
Specifications:

- No. of cases: 50
- Tissue type: Stomach cancer tissues
- No. of spots: 2 spots from each cancer case (100 spots)
4 non-neoplastic spots (4 spots)
- Total spots: 104
- Corresponding normal tissues with cancers: No
- Diameter: 1.0 mm

Documents:

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

Layout:



Summary of tissue spots

No.	Coordinate	Sex	Age	Specimen	Key Word	Grade	Stage
1	1(NormalQC)	M	43	stomach	signet ring cell carcinoma		
2	2(NormalQC)	M	63	stomach	signet ring cell carcinoma		
3	3(NormalQC)	M	41	stomach	adenocarcinoma		
4	4(NormalQC)	F	73	stomach	signet ring cell carcinoma		
5	5,6	M	69	stomach	adenocarcinoma, EGC	W	IA
6	7,8	F	45	stomach	adenocarcinoma	P	IIIA
7	9,10	F	31	stomach	adenocarcinoma	P	IV
8	11,12	M	43	stomach	adenocarcinoma lymph node tumor metastasis	P	IIIA
9	1,2	M	64	stomach	adenocarcinoma	W	IA
10	3,4	M	47	stomach	adenocarcinoma, EGC, lymph node free of tumor	W	IA
11	5,6	F	54	stomach	adenocarcinoma	P	IIIB
12	7,8	F	70	stomach	adenocarcinoma	P	IIIA
13	9,10	M	71	stomach	adenocarcinoma, EGC, tubular adenoma	P	IV
14	11,12	M	78	stomach	adenocarcinoma	P	IB
15	1,2	M	72	stomach	adenocarcinoma	M	IIIB
16	3,4	M	55	stomach	adenocarcinoma EGC adenoma	M	IA
17	5,6	M	69	stomach	adenocarcinoma	M	IIIB
18	7,8	M	61	stomach	adenocarcinoma	P	IIIA
19	9,10	M	61	stomach	adenocarcinoma	M	IA
20	11,12	M	57	stomach	mixed cell adenocarcinoma, adenocarcinoma, adenoma, EGC	P	IIIB
21	1,2	M	67	stomach	adenocarcinoma lymph node tuberculosis	W	IIIB
22	3,4	M	50	stomach	adenocarcinoma	M	IA
23	5,6	M	37	stomach	adenocarcinoma	W	II
24	7,8	M	51	stomach	adenocarcinoma, duodenum ectopic pancreas	P	IA
25	9,10	M	54	stomach	adenocarcinoma	W	IB
26	11,12	M	67	stomach	adenocarcinoma	P	IIIB
27	1,2	M	40	stomach	adenocarcinoma, EGC	P	IA
28	3,4	F	56	stomach	adenocarcinoma, signet ring cell carcinoma, liver fatty change, lymph node free of tumor	P	IA
29	5,6	M	61	stomach	adenocarcinoma	P	IB
30	7,8	F	38	stomach	adenocarcinoma	P	IIIB
31	9,10	F	36	stomach	signet ring cell carcinoma	P	IIIA
32	11,12	M	36	stomach	signet ring cell carcinoma	P	IA

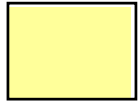
Summary of tissue spots

No.	Coordinate	Sex	Age	Specimen	Key Word	Grade	Stage
33	1,2	M	40	stomach	signet ring cell carcinoma,lymph node metastatic	P	IIIB
34	3,4	F	44	stomach	signet ring cell carcinoma	P	IIIB
35	5,6	M	67	stomach	signet ring cell carcinoma	P	IIIB
36	7,8	M	38	stomach	signet ring cell carcinoma	P	IIIA
37	9,10	M	38	stomach	EGC signet ring cell carcinoma	P	IA
38	11,12	F	46	stomach	adenocarcinoma	P	IA
39	1,2	F	38	stomach	signet ring cell carcinoma, Helicobacter pylori	P	II
40	3,4	M	43	stomach	signet ring cell carcinoma	P	II
41	5,6	F	56	stomach	adenocarcinoma,signet ring cell carcinoma,liver fatty change, lymph node free of tumor	P	IB
42	7,8	F	72	stomach	signet ring cell carcinoma	P	IIIA
43	9,10	M	43	stomach	adenocarcinoma, signet ring cell carcinoma,lymph node tumor metastasis	P	IV
44	11,12	F	38	stomach	signet ring cell carcinoma, inflammatory polyp	P	IB
45	1,2	F	40	stomach	signet ring cell carcinoma	P	IA
46	3,4	M	45	stomach	EGC, signet ring cell carcinoma	P	II
47	5,6	F	39	stomach	signet ring cell carcinoma	P	IA
48	7,8	M	60	stomach	signet ring cell carcinoma, adenocarcinoma	P	IV
49	9,10	F	38	stomach	signet ring cell carcinoma	P	IIIA
50	11,12	F	39	stomach	signet ring cell carcinoma	P	IA (not resected LN)
51	1,2	F	57	stomach	signet ring cell carcinoma	P	II
52	3,4	M	57	stomach	GIST	malignant	
53	5,6	F	58	stomach	GIST	low grade malignant	
54	7,8	M	65	stomach	GIST,malignant tumor	malignant	

A209: Stomach cancer tissues

(formalin fixed)

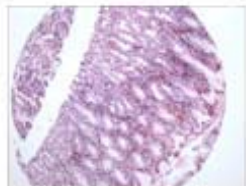
For research use only



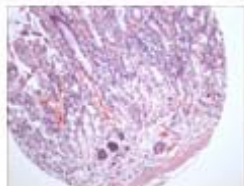
: normal

EGC: Early Gastric Cancer
AGC: Advanced Gastric Cancer
GIST:GastroIntestinal Stromal
Tumor
P :Poorly differentiated
M :Moderately differentiated
W:Well differentiated

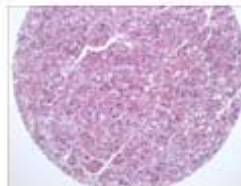
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Haematoxylin and Eosin staining-1



A1



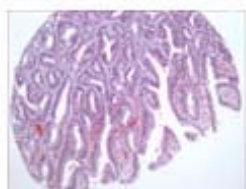
A2



A3



A4



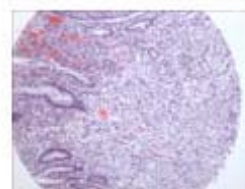
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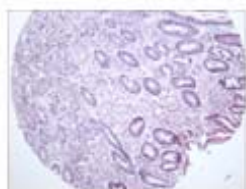
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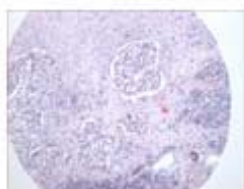
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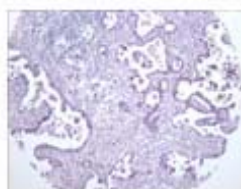
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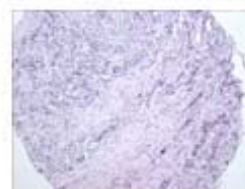
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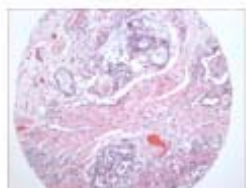
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A11



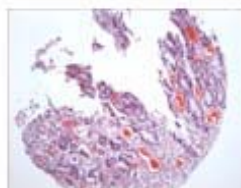
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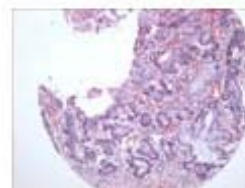
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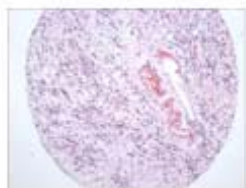
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B3



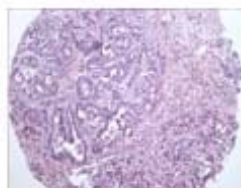
B4



B6



B7



B8



B9



B9



B10



B11

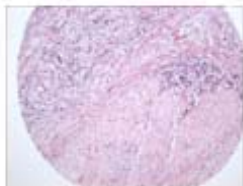


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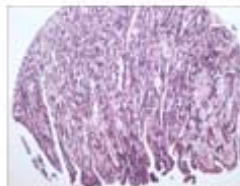
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Haematoxylin and Eosin staining-2



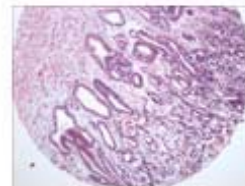
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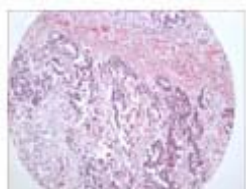
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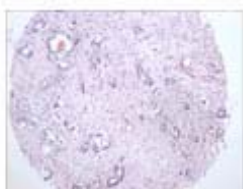
C3



C4



C5



C6



C7



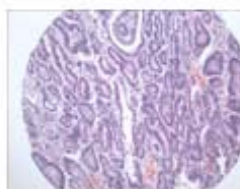
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C9



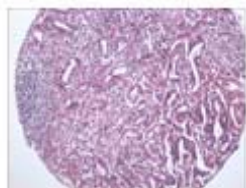
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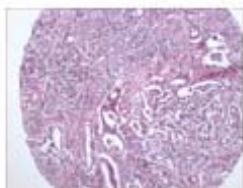
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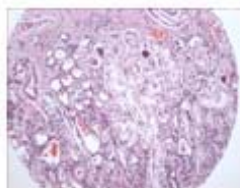
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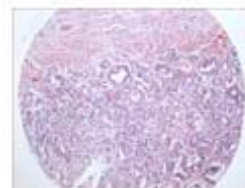
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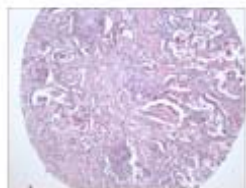
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D3



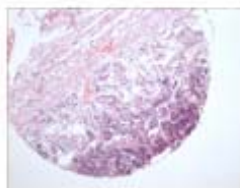
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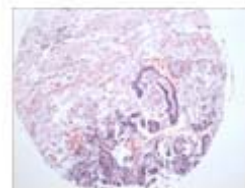
D5



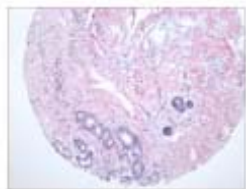
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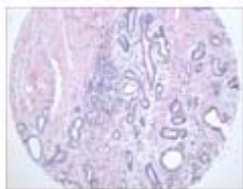
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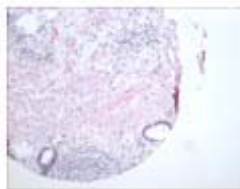
D8



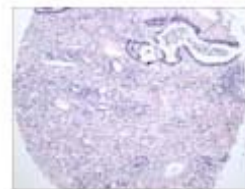
D9



D10

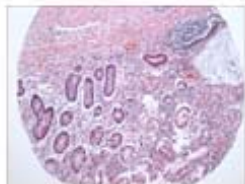


D11



D12

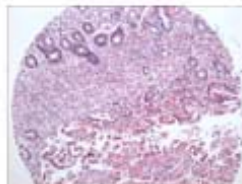
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Haematoxylin and Eosin staining-3



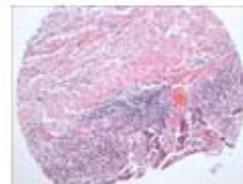
E1



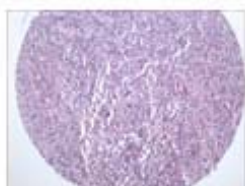
E2



E3



E4



E5



E6



E7



E8



E9



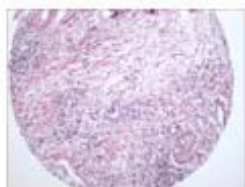
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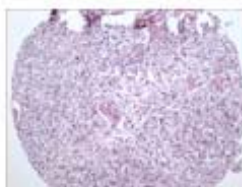
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E12



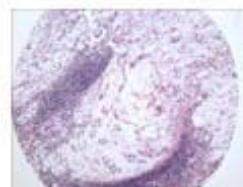
F1



F2



F3



F4



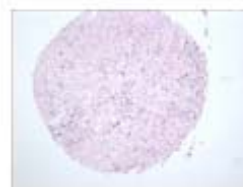
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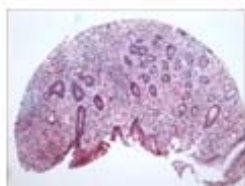
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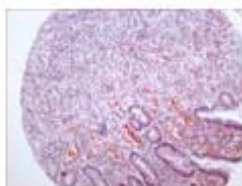
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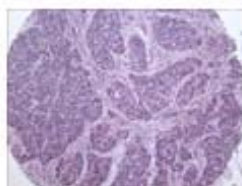
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F9



F10

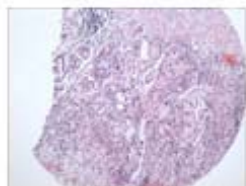


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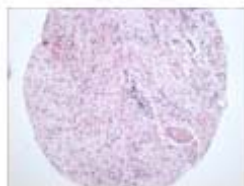


F12

QC sheet_LOT#22202200304291
Haematoxylin and Eosin staining-4



G1



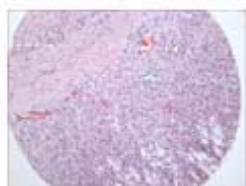
G2



G3



G4



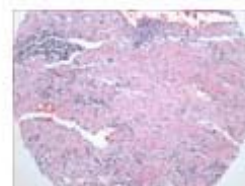
G5



G6



G7



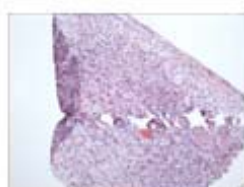
G8



G9



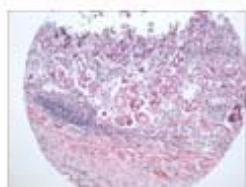
G10



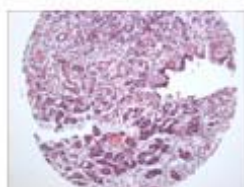
G11



G12



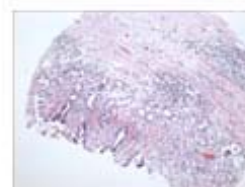
H1



H2



H3



H4



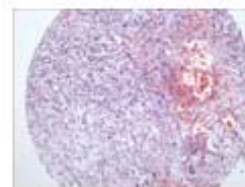
H5



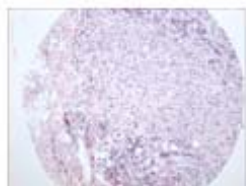
H6



H7



H8



H9



H10



H11



H12

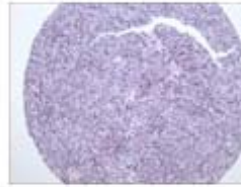
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Haematoxylin and Eosin staining-5



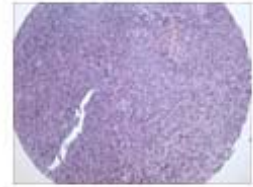
I1



I2



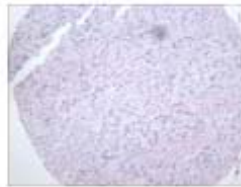
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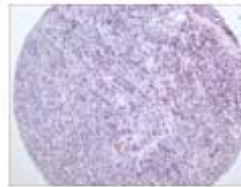
I4



I5



I6



I7



I8

A209: Stomach cancer tissues

No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
1	A	1(NormalQC)	m	43	signet ring cell carcinoma	stomach	<p>Stomach, radical subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Signet ring cell carcinoma, ulceroinfiltrative type, with extension to the perigastric fat tissue and exposure to free serosal surface 2. Resection margin, separately submitted as PRM: free of tumor 3. Resection margin, DRM: free of tumor 4. Lymph nodes, No.3 (0/11), No.4 (0/11), No.6 (0/5), No.7 (0/13) and No.8 (0/3) : (0/43): free of tumor 			subtotal gastrectomy	
2	A	2(NormalQC)	m	63	signet ring cell carcinoma	stomach	<p>Stomach, radical subtotal gastrectomy:</p> <ol style="list-style-type: none"> 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 			subtotal gastrectomy	
3	A	3(NormalQC)	m	41	adenocarcinoma	stomach	<p>Stomach, radical subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Adenocarcinoma, poorly differentiated, ulceroinfiltrative type with extension to the perigastric fat tissue and exposure to free serosal surface (T3) 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.3 (0/2), No.4 (1/13), No.5 (0/7), No.6 (0/1), No.7 (0/10), No.8 (0/1) : (1/34) : tumor metastasis to 1 out of 34 lymph nodes 			subtotal gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
4	A	4(NormalQC)	f	73	signet ring cell carcinoma	stomach	Stomach, radical subtotal gastrectomy: 1. Signet ring cell carcinoma, ulcerative type with extension to the proper muscle 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.3 (0/4), No.4 (0/10), No.6 (0/2), No.7 (0/7), No.8 (0/3) : (0/26): free of tumor			subtotal gastrectomy	
5	A	5,6	m	69	adenocarcinoma, EGC	stomach	EGC Stomach, subtotal gastrectomy: 1. Adenocarcinoma, well differentiated, - confined within the mucosa and submucosa(to upper 1/3) - EGC type IIb+IIc 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes: free of tumor in all nodes (0/29), in detail, N3 (0/2), N4 (0/1), N5 (0/1), N6 (0/3), N7 (0/10), N8 (0/12)	W	IA	subtotal gastrectomy	
6	A	7,8	f	45	adenocarcinoma	stomach	stomach cancer Stomach with perigastric soft tissue, total gastrectomy: Diffuse infiltrative adenocarcinoma(Borrmann type IV), poorly differentiated, in cardia and body with 1) size: about 10 cm 2) diffuse type (Lauren classification) and infiltrative growth (Ming classification) 3) extension to serosa and perigastric soft tissue 4) frequent perineural invasion 5) bilateral resection margin: 6) metastasis to 5 out of 54 omental lymph nodes (No.1 (0/2), No.2 (0/0), No.3 (3/22), No.4 (0/13), No.5 (0/0), No.6 (0/7), No.7 (1/3), No.8 (0/2), No.10 (0/3) and No.11 (1/2))	P	IIIA	total gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study	
7	A	9,10	f	31	adenocarcinoma	stomach	not stated	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> Adenocarcinoma, poorly differentiated <ol style="list-style-type: none"> ulceroinfiltrative type extension to perigastric fat tissue (SE) diffuse type by Lauren's classification and infiltrative type by Ming's classification prominent lymphatic permeation and perineural invasion Resection margins, proximal and distal: free of tumor Regional lymph nodes, No.3 (5/6), No.4 (6/8), No.5 (0/2), No.6 (9/13), No.7 (3/3), No.8 (3/3), No.12 (0/1), No.13 (0/3) : (26/39): tumor metastasis in 26 out of 39 nodes with extensive perinodal extension 	P	IV	subtotal gastrectomy	
8	A	11,12	m	43	adenocarcinoma lymph node tumor metastasis	stomach	AGC	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> Ulceroinfiltrative adenocarcinoma, poorly differentiated, <ul style="list-style-type: none"> with spreading to the perigastric fat tissue presence of lymphovascular permeation intestinal type by Lauren's classification Resection margins, proximal and distal: free of tumor Regional lymph nodes: tumor metastasis to 8 out of 43 (8/43), in detail, N3 (7/18), N4 (1/9), N7 (0/13), N8 (0/3) 	P	IIIA	subtotal gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
9	B	1,2	m	64	adenocarcinoma	stomach	stomach cancer	Stomach, subtotal gastrectomy: 1. Tubular adenocarcinoma, well differentiated, confined to the mucosa and submucosa (EGC type IIc) 2. Helicobacter pylori-chronic gastritis with intestinal metaplasia and atrophy 3. Resection margins, proximal and distal: free of tumor 4. Regional lymph nodes, No.3 (0/13), No.4 (0/7), No.5 (0/0), No.6 (0/15), No.8 (0/1): (0/36): free of tumor	W	IA	subtotal gastrectomy	
10	B	3,4	m	47	adenocarcinoma, EGC, lymph node free of tumor	stomach	stomach cancer	Stomach, subtotal gastrectomy: 1. Adenocarcinoma, well differentiated, confined to the mucosa (EGC, type IIc+IIb) 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes: free of tumor in all nodes (0/47), in detail, N3 (0/13), N4 (0/6), N5 (0/1), N6 (0/8), N7 (0/7), N8 (0/2), N9 (0/8), N11 (0/1), N12 (0/1)	W	IA	subtotal gastrectomy	
11	B	5,6	f	54	adenocarcinoma	stomach	stomach cancer	Stomach, radical total gastrectomy: 1. Adenocarcinoma, poorly differentiated, ulceroinfiltrative type with extension to the perigastric fat tissue and exposure to the free serosal surface Multifocal lymphovascular permeation of carcinoma 2. Resection margins, proximal (esophagus) and distal (duodenum): free of tumor 3. Lymph nodes, No.3 (0/5), No.4 (3/6), No.6 (2/7), No.7 (5/21), No.8 (0/3), No.9 (1/2), No.12 (0/2) : (11/46): tumor metastasis to 11 out of 46 lymph nodes	P	IIIB	radical total gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
12	B	7,8	f	70	adenocarcinoma	stomach	stomach cancer	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Adenocarcinoma, poorly differentiated, partly signet ring cell carcinoma ulcerative type with extension to the perigastric fat tissue and multifocal lymphovascular permeation 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.3 (5/6), No.4 (2/6), No.6 (2/8), No.7 (2/8) and No.8 (0/3) : (11/31): tumor metastasis to 11 out of 31 lymph nodes with perinodal soft tissue extension in No.3, No.4 lymph nodes 	P	IIIA	subtotal gastrectomy	
13	B	9,10	m	71	adenocarcinoma, EGC, tubular adenoma	stomach	not stated	<p>Stomach, total gastrectomy:</p> <ol style="list-style-type: none"> 1. Tubular adenocarcinoma, poorly differentiated, fungating type with central ulceration, with <ol style="list-style-type: none"> 1) histologic classification by Lauren: intestinal type, and by Ming: infiltrating type 2) extension to the serosal surface (si) 3) extensive lymphatic invasion 4) non-neoplastic mucosa: chronic atrophic gastritis with intestinal metaplasia 2. Tubular adenocarcinoma, well differentiated, confined within the mucosa (EGC type IIc) associated with tubular adenoma 3. Resection margins, proximal and distal: free of tumor 4. Lymph nodes, No.1 (0/1), No.2 (2/4), No.3 (4/8), No.4 (8/13), No.5 (1/1), No.6 (0/4), No.7 (5/5), No.8 (0/2), No.11 (0/0) and No.12 (0/0) : (20/38): metastasis in 20 out of 38 nodes 	P	IV	total gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
14	B	11,12	m	78	adenocarcinoma	stomach	stomach cancer	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> Mixed adenocarcinoma composing moderately differentiated tubular adenocarcinoma and signet ring cell carcinoma, ulcerative, with 1) histologic classification by Lauren mixed type, and by Ming: expanding type extension to the inner muscle layer extensive submucosal lymphatic invasion non-neoplastic mucosa: chronic atrophic gastritis with intestinal metaplasia <ol style="list-style-type: none"> Resection margins, proximal and distal: free of tumor Lymph nodes, No.4 (0/2), No.5 (0/2) and No.6 (0/6): free of tumor metastasis in all 10 lymph nodes 	P	IB	subtotal gastrectomy	
15	C	1,2	m	72	adenocarcinoma	stomach	stomach cancer	<p>Stomach, radical total gastrectomy:</p> <p>Tubular adenocarcinoma, moderately differentiated, ulceroinfiltrative,</p> <ol style="list-style-type: none"> Histologic classification by Lauren: intestinal type, and by Ming: infiltrating type extension to the serosal surface (si) extensive lymphatic invasion non-neoplastic mucosa: <p>Chronic atrophic gastritis with intestinal metaplasia</p> <p>Resection margins, proximal and distal: free of tumor</p> <p>Lymph nodes, No.2 (0/5), No.3 (4/6), No.4 (2/15), No.6 (6/11), No.7 (0/6)No.8 (0/1) and No.12 (0/4): metastasis in 12 out of 48 nodes</p>	M	IIIB	radical total gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study	
16	C	3,4	m	55	adenocarcinoma EGC adenoma	stomach	stomach cancer	Stomach, subtotal gastrectomy: 1. Tubular adenocarcinoma, moderately differentiated, limited within upper 1/3 of submucosa (EGC type IIa+c) without lymphatic invasion 2. Tubular adenocarcinoma, well differentiated, limited within the mucosa (EGC type IIc) 3. Tubular adenoma 4. Non-neoplastic mucosa: Diffuse chronic atrophic gastritis with intestinal metaplasia 5. Resection margins, proximal and distal: free of tumor 6. Lymph nodes, No.3 (0/2), No.4 (0/6), No.6 (0/11), No.7 (0/9), No.8 (0/14), and No.12 (0/2) : free of tumor metastasis in all 44 lymph nodes	M	IA	subtotal gastrectom y	
17	C	5,6	m	69	adenocarcinoma	stomach	not stated	Stomach with omentum, subtotal gastrectomy: Ulceroinfiltrative adenocarcinoma, (Borrmann type III), moderatel differentiated, in antrum with 1) size: 5.5x5 cm 2) mixed intestinal and gastric type (by Japaneses classification) and infiltrative growth (by Ming classification) 3) extension to perigastric fatty tissue and serosa 4) lymphovascular and perineural invasion 5) intact proximal and distal resection margins 6) metastasis to 8 out of 27 omental lymph nodes (No.3 (2/3), No.4 (2/4), No.5 (1/1), No.6 (3/7), No.7 (0/5) and No.8 (0/7))	M	IIIB	subtotal gastrectom y	

A209: Stomach cancer tissues

No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study	
18	C	7,8	m	61	adenocarcinoma	stomach	not stated	Stomach with omentums, total gastrectomy: Ulceroinfiltrative adenocarcinoma (Borrmann type III), poorly differentiated, in antrum and body with 1) size: 4.5 cm in size greatest dimension 2) diffuse type (by Lauren classification) 3) extension to serosa and perigastric soft tissue 4) vascular and perineural invasion 5) intact proximal (esophagus) and distal (duodenum) resection margins from tumor 6) metastasis to 1 out of 35 omental lymph nodes (No.1 (0/0), No.2 (0/0), No.3 (0/7), No.4 (0/5), No.5 (0/0), No.6 (0/12), No.7 (0/5), No.8 (0/2) and No.11 (1/4))	P	IIIA	total gastrectomy	
19	C	9,10	m	61	adenocarcinoma	stomach	not stated	Stomach, subtotal gastrectomy: 1. Tubular adenocarcinoma, moderately differentiated, confined to the mucosa (EGC type IIc+IIa) 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes, No.3 (0/2), No.3 (0/4), No.4 (0/9), No.5 (0/1), No.6 (0/2), No.7 (0/7), No.8 (0/4), No.10 (0/0), No.11 (0/2), No.12 (0/1), No.13 (0/2) : (0/34): free of tumor	M	IA	subtotal gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study	
20	C	11,12	m	57	mixed cell adenocarcinoma, adenocarcinoma, adenoma, EGC	stomach	stomach cancer	Stomach, total gastrectomy: 1. Mixed adenocarcinoma composed of signet ring cell carcinoma and tubular adenocarcinoma, poorly differentiated, diffusely infiltrative, with 1) histologic classification by Lauren: mixed type, and by Ming: infiltrating type 2) extension to the serosal surface (si) 3) extensive lymphatic invasion 2. Tubular adenocarcinoma, well differentiated, associated with tubular adenoma, confined within the mucosa and submucosa (EGC type I) involving from proximal antrum to cardia 3. Resection margins, proximal and distal: free of tumor 4. Lymph nodes, No.3 (6/10), No.4 (2/13), No.5 (1/1), No.6 (5/7), No.7 (2/11), No.8 (2/2) and No.12 (1/1) : metastastasis in 19 out of 45 lymph nodes	P	IIIB	total gastrectomy	
21	D	1, 2	m	67	adenocarcinoma lymph node tuberculosis	stomach	stomach cancer	Stomach, subtotal gastrectomy: 1. Tubular adenocarcinoma, well differentiated, fungating, with 1) histologic classification by Lauren, intestinal type, and by Ming: expanding type 2) extension to the serosal surface (si) 3) extensive lymphatic invasion 4) venous invasion 5) non-neoplastic mucosa: multifocal chronic atrophic gastritis with intestinal metaplasia 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.1 (0/2), No.3 (4/36), No.4 (4/16), No.6 (5/27), No.7 (0/2), No.8 (1/1) and No.11 (0/2): 1) metastasis in 14 out of 86 nodes 2) chronic granulomatous inflammation with caseous necrosis, consistent with old tuberculosis in No.6 nodes	W	IIIB	subtotal gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
22	D	3, 4	m	50	adenocarcinoma	stomach	stomach cancer	Stomach, radical subtotal gastrectomy: 1. Adenocarcinoma, moderately differentiated, confined to the mucosa and submucosa (EGC type IIc + III) 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.3 (0/4), No.4 (0/6), No.5 (0/1),No.6 (0/5), No.7 (0/1),No.8 (0/3) : (0/20): free of tumor	M	IA	radical subtotal gastrectomy	
23	D	5,6	m	37	adenocarcinoma	stomach	stomach cancer	Stomach, subtotal gastrectomy: 1. Tubular adenocarcinoma, well differentiated with 1) ulcerative type (3.5x3.0 cm) 2) extension through muscle layer to perigastric fat tissue 3) frequent perineural invasion 4) no lymphovascular permeation 5) intestinal type by Lauren's classification and infiltrative type by Ming's classification 6) non-neoplastic mucosa: Helicobacter pylori-chronic gastritis 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes, No.1 (0/0), No.3 (3/8), No.4 (0/1), No.5 (0/0), No.6 (0/20), No.7 (0/10), No.8 (0/4), No.9 (0/5), No.12 (0/2) : (3/50): metastatic adenocarcinoma in 3 out of 50 nodes	W	II	subtotal gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
24	D	7,8	m	51	adenocarcinoma, duodenum ectopic pancreas	stomach	stomach cancer	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Adenocarcinoma, poorly differentiated, confined to the mucosa and submucosa (EGC type IIc+IIa) with occasional lymphatic permeation 2. Resection margins, proximal and distal: free of tumor 3. Duodenum: ectopic pancreas 4. Regional lymph node, No.3 (0/8), No.4 (0/4), No.5 (0/1), No.6 (0/12), No.7 (0/4), No.8 (0/6), No.12 (0/3): (0/38) : free of tumor 	P	IA	subtotal gastrectomy	
25	D	9,10	m	54	adenocarcinoma	stomach	not stated	<p>Stomach with omentum, total gastrectomy:</p> <ol style="list-style-type: none"> 1. Ulcerative adenocarcinoma, well differentiated, in proximal antrum with 1) size: 2x2 cm <ol style="list-style-type: none"> 2) expanding growth (by Ming classification) and intestinal type (by Lauren classification) 3) extension to inner layer of proper muscle 4) no vascular invasion 5) intact proximal resection margin (esophagus) from main mass 2. no metastasis to omental lymph nodes (0/35: No.3 (0/10), No.4 (0/5), No.5 (0/0), No.6 (0/8), No.7 (0/5) and No.8 (0/7) 3. non neoplastic mucosa showing multifocal atrophic gastritis with intestinal metaplasia having low grade epithelial dysplasia 	W	IB	total gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study	
26	D	11,12	m	67	adenocarcinoma	stomach	not stated	<p>Stomach with omentum, total gastrectomy: Ulceroinfiltrative adenocarcinoma (borrmann type III), moderately and poorly differentiated, in body and proximal antrm with 1) size: 5.5x5.3 cm 2) infiltrative growth (by Ming classification) and mixed type (by Lauren classification) 3) extension to serosa and perigastric soft tissue 4) vascular and perineural invasion 5) intact proximal (esophagus) and distal (duodenum) resection margins 6) metastasis to 10 out of 29 omental lymph nodes (No.3 (6/15), No.4 (0/5), No.5 (3/4), No.6 (0/2) and No.7 (1/3)) 7) nonneoplastic stomach showing chronic follicular gastritis with multifocal atrophy and intestinal metaplasia, Helicobacter pylori infection associated</p>	P	IIIB	total gastrectomy	
27	E	1,2	m	40	adenocarcinoma, EGC	stomach	not stated	<p>Stomach, subtotal gastrectomy: 1. Adenocarcinoma, poorly differentiated, confined to mucosa (EGC type III) without vascular invasion 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes, No.3 (0/6), No.4 (0/2), No.5 (0/0), No.6 (0/6), No.7 (0/6) : (0/20): free of tumor</p>	P	IA	subtotal gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
28	E	3,4	f	56	adenocarcinoma, signet ring cell carcinoma, liver fatty change, lymph node free of tumor	stomach	stomach cancer	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Diffusely infiltrating adenocarcinoma, poorly differentiated, with signet ring cell feature, with <ul style="list-style-type: none"> - spreading to the perigastric fat tissue - no lymphovascular permeation - diffuse type by Lauren's classification 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes: free of tumor in all nodes (0/27), in detail, N3 (0/1), N4 (0/9), N5 (0/2), N6 (0/4), N7 (0/11) 	P	IA	subtotal gastrectomy	
29	E	5,6	m	61	adenocarcinoma	stomach	stomach cancer	<p>Stomach and gallbladder, radical total gastrectomy:</p> <ol style="list-style-type: none"> 1. Tubular adenocarcinoma, poorly differentiated, with undifferentiated carcinomatous area, fungating type, with histologic classification by Lauren: unclassified type, and by Ming: expanding type Extension to the proper muscle layer No definitive lymphatic invasion Non-neoplastic mucosa: Helicobacter pylori-chronic atrophic gastritis, active, with intestinal metaplasia 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.1 (0/4), No.2 (0/3), No.3 (0/31), No.4 (0/5), No.6 (0/6), No.7 (0/9), No.8 (0/7), No.10 (0/5), and No.11 (0/8): free of tumor metastasis in all 78 nodes 	P	IB	radical total gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
30	E	7,8	f	38	adenocarcinoma	stomach	not stated				
							<p>Stomach, total gastrectomy:</p> <ol style="list-style-type: none"> Mixed adenocarcinoma composed of poorly differentiated tubular adenocarcinoma and signet ring cell carcinoma, diffusely infiltrative, with <ol style="list-style-type: none"> histologic classification by Lauren: diffuse type, and by Ming: infiltrating type extension to the serosal surface extensive lymphatic invasion non-neoplastic mucosa: chronic atrophic gastritis with intestinal metaplasia Resection margins, proximal and distal: free of tumor Lymph nodes, No.3 (0/3), No.4 (0/6), No.5 (4/4), No.6 (6/10), and No.7 (3/18): metastasis in 13 out of 41 nodes 	P	IIIB	total gastrectomy	<p>1.immunochemical : HIK 1083(+/-).</p> <p>2.histochemical for mucin: Alcian Blue-PAS (+).</p>
31	E	9,10	f	36	signet ring cell carcinoma	stomach	stomach cancer				
							<p>Stomach, radical subtotal gastrectomy:</p> <ol style="list-style-type: none"> Signet ring cell carcinoma, ulceroinfiltrative type, with extension to the serosa (diffuse type by Lauren's type, infiltrative type by Ming's classification). Resection margin, proximal (esophagus): free of tumor Resection margin, distal (duodenum): free of tumor Regional lymph nodes, No.1 (0/4), No.2 (0/0), No.3 (0/19), No.4 (3/9), No.5 (0/3), No.6 (0/13), No.7 (0/9), No.8 (0/6), No.9 (0/11) : (3/74): tumor metastasis in 3 out of 74 lymph nodes 	P	IIIA	radical subtotal gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
32	E	11,12	m	36	signet ring cell carcinoma	stomach	stomach cancer	Stomach, subtotal gastrectomy: 1. Signet ring cell carcinoma confined within the mucosa (EGC type IIc) without lymphatic invasion 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.3 (0/4), No4 (0/2), No.6 (0/2) and No.7 (0/5): free of tumor metastasis in all 13 nodes	P	IA	subtotal g astrectomy	
33	F	1,2	m	40	signet ring cell carcinoma,lymph node metastatic	stomach	not stated	Stomach, subtotal gastrectomy: 1. Signet ring cell carcinoma, ulceroinfiltrative gross type, with 1) extension to the proper muscle layer 2) histologic classification: Diffuse type by Lauren and infiltrative type by Ming's classification 2. Resection margin, proximal and distal: free of tumor 3. Regional lymph node, N3 (0/12), N4 (0/11), N5 (0/1), N6 (2/19), N8 (0/1) : (2/44): tumor metastasis in 2 out of 44 lymph nodes	P	IIIB	subtotal gastrectom y	
34	F	3,4	f	44	signet ring cell carcinoma	stomach	stomach cancer	Stomach, radical total gastrectomy: 1. Signet ring cell carcinoma, ulceroinfiltrative type with extension to the perigastric fat tissue and exposure to free serosal surface 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.1 (0/3), No.2 (1/2), No.3 (6/11), No.4 (5/8), No.6 (3/12), No.7 (0/4), No.10 (0/3) and No.12 (0/2) : (15/45): Extension and metastasis of tumor to 15 out of 45 lymph nodes	P	IIIB	radical total gastrectom y	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
35	F	5,6	m	67	signet ring cell carcinoma	stomach	stomach cancer	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> Signet ring cell carcinoma <ol style="list-style-type: none"> diffuse infiltrative type with extension to serosa and perigastric fat tissue (SE) frequent lymphatic permeation and perineural invasion focally mixed with tubular adenocarcinoma, moderately differentiated mixed type by Lauren's classification and infiltrative type by Ming's classification Resection margins, proximal and distal: free of tumor Regional lymph nodes, No.3 (6/5), No.4 (1/1), No.5 (0/0), No.6 (9/14), No.7 (1/9), No.8 (0/3), No.12 (0/1), No.13 (0/3), No.17 (0/2) : (17/38): tumor metastasis in 17 out of 38 nodes 	P	IIIB	subtotal gastrectomy	
36	F	7,8	m	38	signet ring cell carcinoma	stomach	stomach cancer	<p>Stomach, total gastrectomy:</p> <ol style="list-style-type: none"> Signet ring cell carcinoma, diffusely infiltrative, with 1) histologic classification by Lauren: diffuse type, and by Ming: infiltrating type <ol style="list-style-type: none"> extension to the serosal surface (si) occasional lymphatic invasion non-neoplastic mucosa: chronic atrophic gastritis, multifocal Resection margins, proximal and distal: free of tumor Lymph nodes, No.1 (0/13), No.3 (1/19), No.4 (1/31), No.5 (0/6), No.6 (0/10), No.7 (0/9), No.8 (0/6) and No.12 (0/2): metastasis in 2 out of 96 nodes 	P	IIIA	total gastrectomy	

A209: Stomach cancer tissues

No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study	
37	F	9,10	m	38	EGC signet ring cell carcinoma	stomach	stomach cancer	Stomach with omentum, radical subtotal gastrectomy: 1. Early gastric carcinoma (EGC type IIc+III), signet ring cell carcinoma, in antrum with 1) size: 2x1.5 cm 2) diffuse type (Lauren classification) 3) confined to mucosa 4) intact resection margins 5) no metastasis to omental lymph nodes (No.3 (0/24), No.4 (0/15), No.5 (0/2), No.6 (0/13), No.7 (0/16), No.8 (0/4) and No.9 (0/12)) 6) non neoplastic stomach showing chronic follicular gastritis, helicobacter pylori infection associated, and gastritis cystica profunda	P	IA	radical subtotal gastrectom y	
38	F	11,12	f	46	adenocarcinoma	stomach	not stated	Stomach, subtotal gastrectomy: 1. Adenocarcinoma, poorly differentiated with features of neuro- endocrine differentiation, with extension to the serosa (SE) Diffuse type by Lauren's classification 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes, No.3 (4/11), No.4 (2/8), No.5 (1/1), No.6 (0/17), No.7 (1/1), No.8 (2/2), No.11 (2/2), No.13 (0/1) : metastati adenocarcinoma in 12 out of 43 nods	P	IA	subtotal gastrectom y	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
39	G	1,2	f	38	signet ring cell carcinoma, Helicobacter pylori	stomach	not stated	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Signet ring cell carcinoma, ulceroinfiltrative, with 1) histologic classification by Lauren: diffuse type, and by Ming: intestinal type 2) extension to the serosal surface (si) 3) no lymphatic invasion 4) early gastric carcinoma type IIc+b confined within mucosa adjacent to the main mass 5) non-neoplastic mucosa: helicobacter pylori-chronic atrophic gastritis with intestinal metaplasia <ol style="list-style-type: none"> 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.3 (0/1), No.4 (0/7), No.5 (0/1), No.6 (0/5), No.7 (0/18), No.8 (0/1), and No.9 (0/1): free of tumor metastasis in all 34 lymph nodes 	P	II	subtotal g astrectomy	
40	G	3,4	m	43	signet ring cell carcinoma	stomach	stomach cancer	<p>Stomach, radical subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Signet ring cell carcinoma, ulceroinfiltrative type, with extension to the perigastric fat tissue and exposure to free serosal surface 2. Resection margin, separately submitted as PRM : free of tumor Resection margin, DRM: free of tumor 3. Lymph nodes, No.3 (0/11), No.4 (0/11), No.6 (0/5), No.7 (0/13) and No.8 (0/3) : (0/43): free of tumor 	P	II	radical subtotal gastrectom y	

A209: Stomach cancer tissues

No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
41	G	5,6	f	56	adenocarcinoma, signet ring cell carcinoma, liver fatty change, lymph node free of tumor	stomach	stomach cancer	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Diffusely infiltrating adenocarcinoma, poorly differentiated, with signet ring cell feature, with <ul style="list-style-type: none"> - spreading to the perigastric fat tissue - no lymphovascular permeation - diffuse type by Lauren's classification 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes: free of tumor in all nodes (0/27), in detail, N3 (0/1), N4 (0/9), N5 (0/2), N6 (0/4), N7 (0/11) 	P	IB	subtotal gastrectomy	
42	G	7,8	f	72	signet ring cell carcinoma	stomach	stomach cancer	<p>Stomach, radical subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Signet ring cell carcinoma, diffusely infiltrative, with 1) Histologic classification by Lauren: diffuse type, and by Ming: infiltrating type <ol style="list-style-type: none"> 2) extension to the serosal surface (si) 3) extensive lymphatic invasion 4) Non-neoplastic mucosa: Helicobacter pylori-chronic atrophic gastritis, active with intestinal metaplasia 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.1 (0/5), No.3 (0/3), No.4 (0/5), No.5 (0/2), No.6 (1/6), No.7 (0/8) and No.8 (0/2) : metastasis in 1 out of 31 nodes 	P	IIIA	radical subtotal gastrectomy	
43	G	9,10	m	43	adenocarcinoma, signet ring cell carcinoma, lymph node tumor metastasis	stomach	Stomach cancer (pyloric obstruction)	<ol style="list-style-type: none"> 1. signet ring cell carcinoma, with <ul style="list-style-type: none"> - spreading to the serosa (serosa attached, T3) - diffuse type by Lauren's classification - lymphovascular permeation, positive 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes: tumor metastasis to 22 out of 52 (22/52), in detail, N3 (9/22), N4 (1/7), N5 (0/0), N6 (6/11), N7 (2/5), N8 (1/4), N14 (3/3) 	P	IV		

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44	G	11,12	f	38	signet ring cell carcinoma, inflammatory polyp	stomach	stomach cancer	<p>Stomach, radical subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Focally advanced signet ring cell carcinoma, mixed with tubular adenocarcinoma, poorly differentiated <ul style="list-style-type: none"> - extension to the outer muscle layer - diffuse type by Lauren's classification - lymphovascular permeation: positive - associated inflammatory polyp 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes: free of tumor in all nodes (0/33), in detalil, N3 (0/4), N4 (0/5), N5 (0/0), N.6 (0/4), N7 (0/11), N8 (0/6), N12 (0/3) 	P	IB	subtotal gastrectomy	
45	H	1.2	f	40	signet ring cell carcinoma	stomach	stomach cancer	<p>Stomach with omentums, radical subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Early gastric carcinoma (EGC type IIb+III), signet ring cell carcinoma, in antrum with <ol style="list-style-type: none"> 1) size: 3x2.5 cm 2) diffuse type (by Lauren classification) 3) confined to mucosa 4) intact proximal and distal resection margins 2. No metastasis to omental lymph nodes (0/34: No.3 (0/16), No.4 (0/7), No.5 (0/2), No.6 (0/7) and No.12 (0/2)) 3. Nonneoplastic mucosa showing chronic follicular gastritis, helicobacter pylori infection associated 	P	IA	radical subtotal gastrectomy	

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46	H	3,4	m	45	EGC, signet ring cell carcinoma	stomach	EGC	<p>Stomach, subtotal gastrectomy:</p> <ol style="list-style-type: none"> 1. Signet ring cell carcinoma, confined to the mucosa and submucosa (involving 4/3 of submucosa) (EGC IIc) with frequent lymphatic permeation 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes, No.3 (3/9), No.4 (1/12), No.5 (0/0), No.6 (7/13), No.8 (0/4) : (11/38) : metastatic adenocarcinoma in 11 out of 38 nodes 	P	II	subtotal gastrectom y	
47	H	5,6	f	39	signet ring cell carcinoma	stomach	AGC	<p>Stomach, radical subtotal thyroidectomy:</p> <ol style="list-style-type: none"> 1. Signet ring cell carcinoma, limited within the mucosa and submucosa (early gastric cancer type IIc+III) with submucosal lymphatic invasion 2. Non-neoplastic mucosa: helicobacter pylori-chronic atrophic gastritis with intestinal metaplasia 3. Resection margins, proximal and distal: free of tumor 4. Lymph nodes, No.3 (0/16), No.4 (0/19), No.5 (0/3), No.6 (0/11), No.7 (0/5) and No.8 (0/1): free of tumor metastasis in all 55 nodes 	P	IA	radical subtotal thyroidecto my	

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No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
48	H	7,8	m	60	signet ring cell carcinoma, adenocarcinoma	stomach	not stated	<p>Stomach, radical total gastrectomy:</p> <ol style="list-style-type: none"> 1. Signet ring cell carcinoma, diffusely infiltrative, with <ol style="list-style-type: none"> 1) histologic classification by Lauren: diffuse type, and by Ming:infiltrating type 2) extension to the serosal surface (se) 3) extensive lymphatic invasion 4) non-neoplastic mucosa: helicobacter pylori-chronic atrophic gastritis with intestinal metaplasia 2. Low grade adenocarcinoma among japanese classification (tubular adenoma with high grade dysplasia) involving antrum along the lesser curvature (size: 2 mm) 3. Resection margins, proximal and distal: free of tumor 4. Lymph nodes, No.1 (0/5), No.2 (0/4), No.3 (6/6), No.4 (7/7), No.6 (0/12), No.7 (17/22) and No.8 (0/1) : metastasis in 30 out of 57 nodes 	P	IV	radical total gastrectomy	
49	H	9,10	f	38	signet ring cell carcinoma	stomach	stomach cancer	<p>Stomach, radical total gastrectomy:</p> <ol style="list-style-type: none"> 1. Signet ring cell carcinoma <ol style="list-style-type: none"> 1) ulceroinfiltrative type 2) size: 5.5x3.5 cm 3) extending into perigastric fat tissue and involving serosa (T3) 4) foci of extracellular mucin formation 5) occasional lymphatic permeation 6) prominent perineural invasion 7) diffuse type by Lauren's classification and infiltrative type by Ming's classification 8) non neoplastic mucosa: chronic atrophic gastritis with intestinal metaplasia 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes, No.3 (0/14), No.4 (0/7), No.5 (0/0), No.6 (0/11), No.7 (0/1), No.8 (0/3), No.10 (2/3), No.11 (0/1) : (2/40): tumor metastasis in 2 out of 40 nodes 	P	IIIA	radical total gastrectomy	

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No.	Coordinate		Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study
50	H	11,12	f	39	signet ring cell carcinoma	stomach	EGC	Stomach, radical subtotal gastrectomy: 1. Signet ring cell carcinoma confined to the mucosa (EGC type IIc) 2. Resection margins, proximal and distal: free of tumor 3. Lymph nodes, No.3 (0/9), No.4 (0/11), No.5 (0/1), No.6 (0/2) and No.7 (0/2): (0/25): free of tumor	P	resect-	radical subtotal gastrectomy	
51	I	1,2	f	57	signet ring cell carcinoma	stomach	stomach cancer	Stomach, radical subtotal gastrectomy: 1. Signet ring cell carcinoma 1) ulceroinfiltrative type 2) size: 5x4.5 cm 3) extension to perigastric fat tissue and involvement of serosa 4) diffuse type by Lauren's classification, and infiltrative type by Ming's classification 5) no lymphovascular permeation 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes, No.3 (0/15), No.4 (0/5), No.5 (0/1), No.6 (0/6), No.8 (0/5) : (0/32): free of tumor	P	II	radical subtotal gastrectomy	
52	I	3,4	m	57	GIST	stomach	GIST	Stomach, subtotal gastrectomy: 1. Gastrointestinal stromal tumor (GIST), malignant - size: 21x14 cm - marked necrosis and cystic change - incomplete resection margin at the omentum 2. Resection margins, proximal and distal: free of tumor 3. Regional lymph nodes: free of tumor in all nodes (0/12), in detail, N3 (0/0), N4 (0/6), N10 (0/6)	malignant		subtotal gastrectomy	
53	I	5,6	f	58	GIST	stomach	Submucosal tumor	Stomach, fundic, wedge resection: Gastrointestinal tumor, with uncertain malignant potential, incompletely excised	low grade malignant		wedge resection	

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No.	Coordinate	Sex	Age	Key Word	SPECIMEN	Clinical Diagnosis	Histological Diagnosis	Grade	Stage	Surgery	other study	
54	I	7,8	m	65	GIST,malignant tumor	stomach	GIST	Stomach, radical proximal gastrectomy: 1. Gastrointestinal stromal tumor, malignant, in posterior body with 1) size: 14x11x9 cm. 2) mitotic count: about 5/10 HPF 3) high cellularity but not significant pleomorphism 4) expanding growth but invasion to mucosa perigastric fatty tissue and serosa 5) extensive necrosis 6) intact proximal and distal resection margin 2. No omental lymph node metastasis (0/23) : No.1 (0/0), No.2 (0/2) , No.3 (0/6), No.4 (0/8), No.7 (0/5), No.8 (0/2), No.11 (0/0) and No.15 (0/0)	malignant		radical proximal gastrectomy	

: normal EGC: Early Gastric Cancer
AGC: Advanced Gastric Cancer
GIST:GastroIntestinal Stromal tumor
P :Poorly differentiated
M :Moderately differentiated
W:Well differentiated