

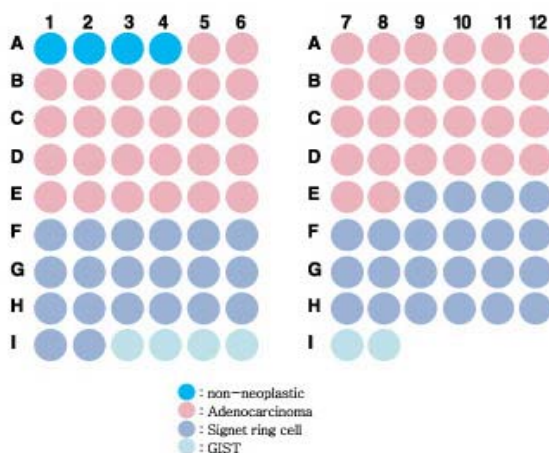
Specifications:

- 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 |

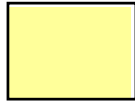
Summary of tissue spots

| 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 resect-ed 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)

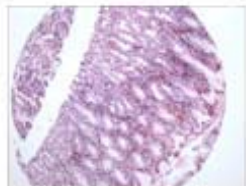
For research use only



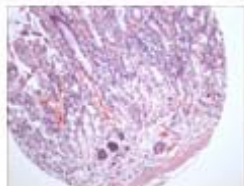
: normal

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

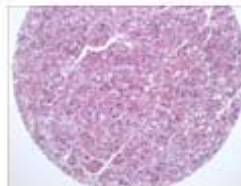
QC sheet_LOT#22202200304291
Haematoxylin and Eosin staining-1



A1



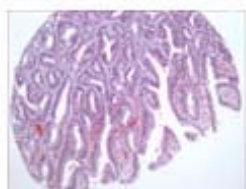
A2



A3



A4



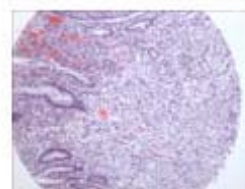
A5



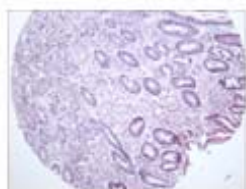
A6



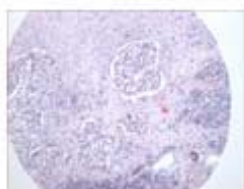
A7



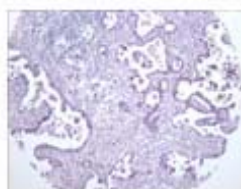
A8



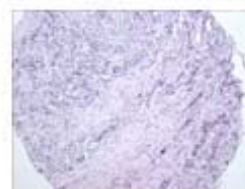
A9



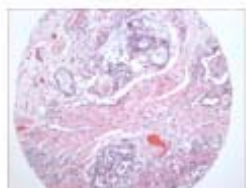
A10



A11



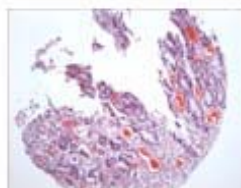
A12



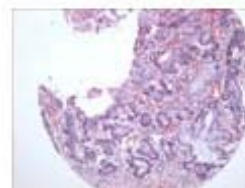
B1



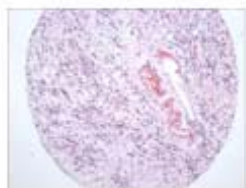
B2



B3



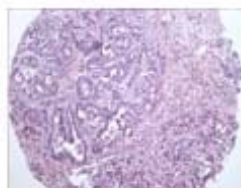
B4



B6



B7



B8



B9



B9



B10



B11

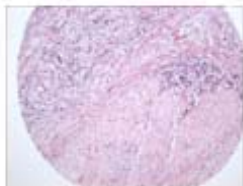


B12

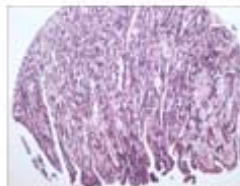
QC sheet_LOT#22202200304291
Haematoxylin and Eosin staining-2



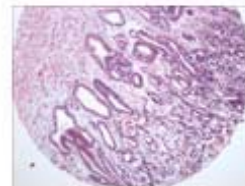
C1



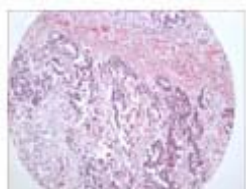
C2



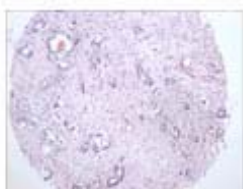
C3



C4



C5



C6



C7



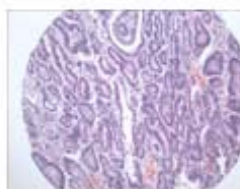
C8



C9



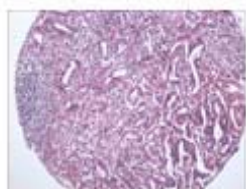
C10



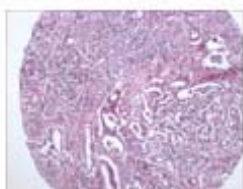
C11



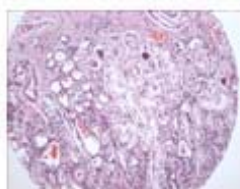
C12



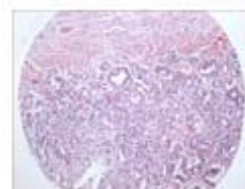
D1



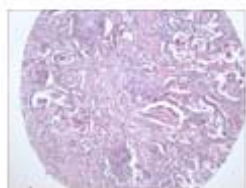
D2



D3



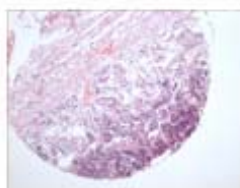
D4



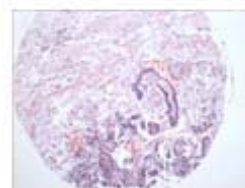
D5



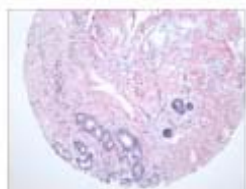
D6



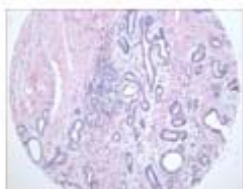
D7



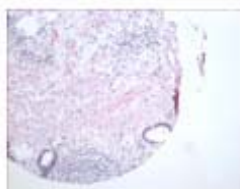
D8



D9



D10

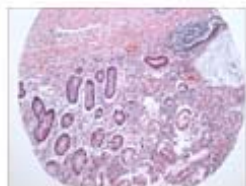


D11



D12

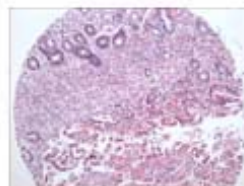
QC sheet_LOT#22202200304291
Haematoxylin and Eosin staining-3



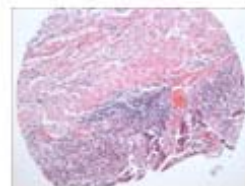
E1



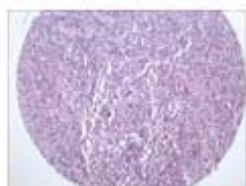
E2



E3



E4



E5



E6



E7



E8



E9



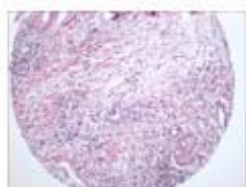
E10



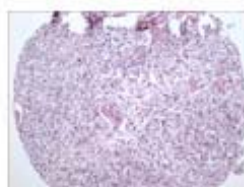
E11



E12



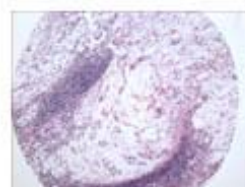
F1



F2



F3



F4



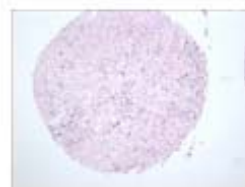
F5



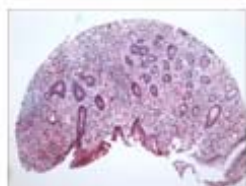
F6



F7



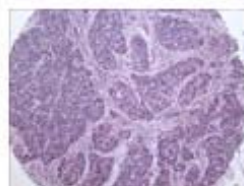
F8



F9



F10

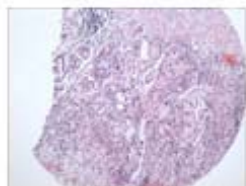


F11

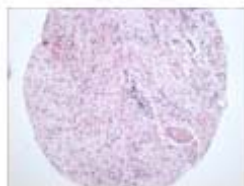


F12

QC sheet_LOT#22202200304291
Haematoxylin and Eosin staining-4



G1



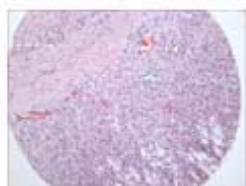
G2



G3



G4



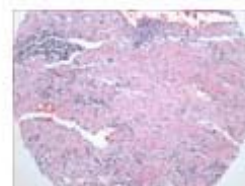
G5



G6



G7



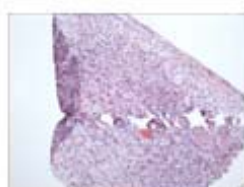
G8



G9



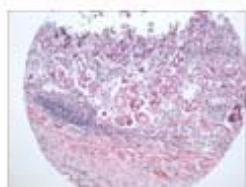
G10



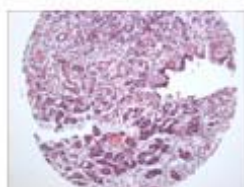
G11



G12



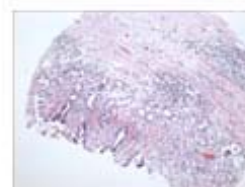
H1



H2



H3



H4



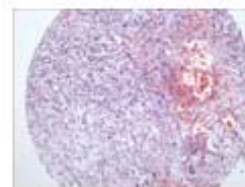
H5



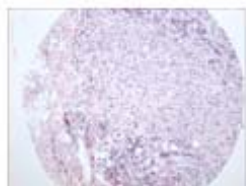
H6



H7



H8



H9



H10



H11



H12

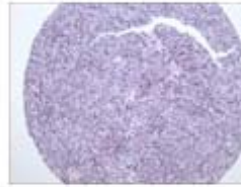
QC sheet_LOT#22202200304291
Haematoxylin and Eosin staining-5



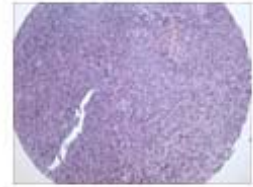
I1



I2



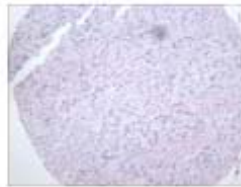
I3



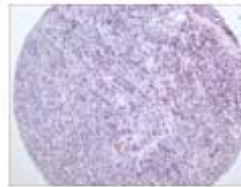
I4



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: Chronic atrophic gastritis with intestinal metaplasia <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 | | |

A209: Stomach cancer tissues

| No. | Coordinate | | Sex | Age | Key Word | SPECIMEN | Clinical Diagnosis | Histological Diagnosis | Grade | Stage | Surgery | other study |
|-----|------------|-------|-----|-----|--|----------|--------------------|---|-------|-------|------------------------------|-------------|
| 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 | |

A209: Stomach cancer tissues

| No. | Coordinate | | Sex | Age | Key Word | SPECIMEN | Clinical Diagnosis | Histological Diagnosis | Grade | Stage | Surgery | other study |
|-----|------------|-----|-----|-----|---------------------------------------|----------|--------------------|--|-------|-------|--|-------------|
| 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 | |

A209: Stomach cancer tissues

| 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 | |

A209: Stomach cancer tissues

| 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 | |

A209: Stomach cancer tissues

| 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