Specifications:
- No. of cases: 44
- Tissue type: Various cancer tissues
- No. of spots: 2 spots from each cancer case (88 spots)
- Total spots: 88
- Corresponding normal tissues with cancers:
  - Diameter: 1.0 mm

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

Layout:
# Summary of tissue spots

**A201(VI)- Various cancer tissues**

(formalin fixed)  
For research use only

<table>
<thead>
<tr>
<th>No</th>
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<th>Age</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1,2</td>
<td>f</td>
<td>40</td>
<td>brain: anaplastic astrocytoma</td>
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<tr>
<td>2</td>
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<td>m</td>
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<td>brain: choroid plexus papilloma</td>
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<td>m</td>
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<td>esophagus: squamous cell carcinoma</td>
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<tr>
<td>4</td>
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<td>esophagus: squamous cell carcinoma</td>
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<td>m</td>
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<td>larynx: squamous cell carcinoma</td>
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<td>m</td>
<td>37</td>
<td>thymus: typical carcinoid</td>
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<td>thyroid gland: papillary carcinoma</td>
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<td>m</td>
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<tr>
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<td>f</td>
<td>57</td>
<td>breast: infiltrating ductal carcinoma</td>
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<tr>
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<td>breast: infiltrating ductal carcinoma</td>
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<td>stomach: adenocarcinoma</td>
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<td>stomach: adenocarcinoma</td>
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<td>soft tissue: fibromatosis</td>
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<td>soft tissue: granuloneuroma</td>
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<td>tongue: squamous cell carcinoma</td>
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<td>tongue: squamous cell carcinoma</td>
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<td>lung: non-small cell carcinoma</td>
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<td>lung: large cell carcinoma</td>
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<td>f</td>
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<td>lymph node: metastatic papillary carcinoma</td>
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<td>f</td>
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<td>kidney: renal cell carcinoma</td>
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## Summary of tissue spots

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<tbody>
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<td>23</td>
<td>ovary: malignant germ cell tumor</td>
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<td>ovary: serous cystadenocarcinoma</td>
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<td>ovary: clear cell carcinoma</td>
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<td>uterine cervix: squamous cell carcinoma</td>
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<td>uterine cervix: invasive squamous cell carcinoma</td>
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<td>testis: seminoma</td>
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<td>m</td>
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<td>colon: adenocarcinoma</td>
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<td>colon: adenocarcinoma</td>
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<td>rectum: adenocarcinoma</td>
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<td>43</td>
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<td>m</td>
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<td>skin: dermatofibrosarcoma</td>
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<tr>
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<td>skin: squamous cell carcinoma</td>
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A201(VI)- Various cancer tissues

(formalin fixed)

QC sheet LOT#122121008011
Hematoxylin and Eosin staining

A1 A2 A3 A4
A5 A6 A7 A8
A9 A10 A11 A12
B1 B2 B3 B4
B5 B6 B7 B8
B9 B10 B11 B12
A201(VI)- Various cancer tissues
(formalin fixed)

QC sheet_LOT#122121008011
Hematoxylin and Eosin staining

C1  C2  C3  C4
C5  C6  C7  C8
C9  C10 C11 C12
D1  D2  D3  D4
D5  D6  D7  D8
D9  D10 D11 D12
A201(VI)- Various cancer tissues

(formalin fixed)

QC sheet LOT#122121008011
Hematoxylin and Eosin staining

E1  E2  E3  E4
E5  E6  E7  E8
E9  E10 E11 E12
F1  F2  F3  F4
F5  F6  F7  F8
F9  F10 F11 F12
A201(VI)- Various cancer tissues
(formalin fixed)

QC sheet_LOT#122121008011
Hematoxylin and Eosin staining

G1              G2             G3              G4
G5              G6              G7             G8
G9             G10            G11           G12
H1              H2              H3              H4
<table>
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<tr>
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<th>keyword</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1,2</td>
<td>f</td>
<td>40</td>
<td>brain: anaplastic astrocytoma</td>
<td>Cerebral mass, left thalamus, Removal of tumor (FS): Glioblastoma.</td>
</tr>
<tr>
<td>2</td>
<td>3,4</td>
<td>m</td>
<td>8</td>
<td>brain: choroid plexus papilloma</td>
<td>Brain, intraventricular, left, removal: choroid plexus papilloma</td>
</tr>
<tr>
<td>3</td>
<td>5,6</td>
<td>m</td>
<td>64</td>
<td>esophagus: squamous cell carcinoma</td>
<td>Esophagus and cardia of stomach, esophagectomy and node dissection: 1. Ulcerative squamous cell carcinoma, poorly differentiated, 1) size: 3.3x1cm 2) extension to the outer muscle layer 3) lymphovascular permeation: Positive 2. Resection margins, proximal and distal: Free of tumor. 3. Regional lymph nodes: Free of tumor in all nodes (0/24), in detail, subcarinal (0/10), hilar (0/2), pretracheal (0/6), lower paratracheal (0/3), left paracardial (0/2), 8L (0/1), omental mass (Free of tumor).</td>
</tr>
<tr>
<td>4</td>
<td>7,8</td>
<td>f</td>
<td>66</td>
<td>esophagus: squamous cell carcinoma</td>
<td>Esophagus, resection: 1. Invasive squamous cell carcinoma, moderately differentiated 1) size: 6x2.5cm 2) infiltrative growth 3) extension through the muscle layer to the adventitia but intact lateral resection margin 4) perineural and vascular invasion 5) resection margins, proximal and distal (stomach): Free of tumor. 6) regional lymph nodes: Free of tumor in all 24 lymph (0/24), indetail, IPL (0/1), subcarinal (0/1), paraesophageal (0/5), pyloric (0/3), left hilar (0/5), celiac (0/1), right recurrent laryngeal (0/3), greater curvature (0/2), left aridial (0/3).</td>
</tr>
<tr>
<td>5</td>
<td>9,10</td>
<td>m</td>
<td>71</td>
<td>larynx: squamous cell carcinoma</td>
<td>Larynx: squamous cell carcinoma</td>
</tr>
<tr>
<td>6</td>
<td>11,12</td>
<td>m</td>
<td>37</td>
<td>thymus: atypical carcinoid</td>
<td>Thymus thymectomy: 1. Atypical carcinoid showing vascular invasion, penetrating the capsule 1) invasion into the thymic fat tissue and multifocal necrosis. *Note: immunohistochemical staining results ACTH, Synaptophysin, Chromogranin NSE: positive</td>
</tr>
<tr>
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<td>keyword</td>
<td>Diagnosis</td>
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</tbody>
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| 7 | 1,2 | m | 52 | thyroid gland: papillary carcinoma | Thyroid gland, total thyroidectomy with neck node dissection:  
1. Papillary carcinoma  
  1) involving bilateral whole lobe (size: 6.5x3.7cm)  
  2) extension to perithyroidal fat tissue  
2. Regional lymph node: Tumor metastasis to 4 out of 20 (4/20), in detail, level II (1/2), level III (3/13), level IV (0/5). |
| 8 | 3,4 | f | 46 | thyroid gland: papillary carcinoma | Thyroid, total thyroidectomy: Papillary carcinoma  
1) size: 4.5x3x2.5cm  
2) extensive extension to perithyroidal soft tissue and surrounding skeletal muscle.  
3) lymphovascular invasion.  
4) multiple metastasis to surrounding soft tissue and lymph nodes (29/62: level 2, 3, 4, 5 (12/35), level 2 (2/10), No. 6 (1/1), perithyroidal (14/16)).  
5) intact jugular vein.  
6) nodular goiter |
| 9 | 5,6 | m | 43 | thyroid gland: papillary carcinoma | Thyroid gland, right, thyroidectomy: Papillary carcinoma with extension beyond thyroid capsule. |
| 10 | 7,8 | f | 53 | thyroid gland: papillary carcinoma | Thyroid gland, site unstated, thyroidectomy: Papillary carcinoma extending beyond extrathyroidal tissue, in the background of Hashimoto’s thyroiditis. |
| B | 9,10 | f | 57 | breast: infiltrating ductal carcinoma | Breast, left, palliative mastectomy:  
1. Infiltrating ductal carcinoma  
  1) Histologic grade: II.  
  2) Black’s nuclear grade: I  
  3) Extensive lymphatic invasion.  
  4) Intraductal component: less than 10%.  
  5) Multinodularity.  
3. Overlying skin: Superficial dermal invasion by the tumor.  
5. Lymph nodes, level II (9/23) and level II (2/2): Metastasis in 11 out of 25 lymph nodes (pN1biv).  
6. Result of immunohistochemical staining: ER (+), PR (-), C erb B2 (-). |
<table>
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<th>keyword</th>
<th>Diagnosis</th>
</tr>
</thead>
</table>
| 12 | 11, 12     | f   | 47  | breast: infiltrating ductal  | Breast, left, modified radical mastectomy: 1. Infiltrating ductal carcinoma  
2) Modified Bloom-Richardson's histological grade: II (moderately differentiated)  
3) Black's nuclear grade: 2 (moderately differentiated)  
4) extensive lymphovascular invasion  
5) extension to the anterior (fibroadipose) margin.  
2. Nipple and areola: Focal direct invasion to the subdermal layer.  
4. Underlying fascia: Tumor's involvement.  
5. Regional lymph nodes: Metastatic carcinoma in 3 out of 8 lymph nodes (3/8), in detail, level II (0/1),  
   level III (0/1), axillary lymph nodes (3/6).  
| 13 | 1, 2       | f   | 72  | stomach: adenocarcinoma     | Stomach, pancreas and spleen, radical total gastrectomy, splenectomy and pancreatectomy: 1. Stomach: Ulceroinfiltrative adenocarcinoma, moderately differentiated,  
2) extension to the serosa and pancreas parenchyme  
3) lymphovascular permeation: positive  
4) Intestinal type by Lauren's classification  
2. Resection margins, proximal and distal: Free of tumor.  
   Resection margin, pancreas: Free of tumor.  
3. Regional lymph nodes: Tumor metastasis to 2 out of 47 (2/47), in detail, N1 (0/5),  
   N3 (0/5), N4 (0/8), N5 (0/2), N6 (1/16), N7 (0/2), N8 (1/4), N9 (0/2), N10 (0/3).  
4. Pancreas: Tumor extension.  
5. Spleen: Congestion. |
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<th>keyword</th>
<th>Diagnosis</th>
</tr>
</thead>
</table>
| 14 | 3,4        | f   | 73  | stomach : adenocarcinoma       | Stomach with omentums, total gastrectomy:  
1. Polypoid and infiltrative adenocarcinoma, well to poorly differentiated, in antrum and body  
1) size: 12.5x10.5cm  
2) mixed type (by Lauren classification) and infiltrative growth type (by Ming classification)  
3) extension to outer proper muscle layer  
4) frequent vascular and perineural invasions  
5) metastasis to 23 out of 47 omental lymph nodes (No.3(11/16), No.4(2/6), No.5(2/2), No.7(2/7), No.8(0/1) and No.9(0/2))  
6) non-neoplastic mucosa showing multifocal atrophic gastritis with intestinal metaplasia. |
| 15 | 5,6        | f   | 56  | soft tissue: fibromatosis      | Soft tissue, buttock, left, excision: Fibromatosis, extraabdominal.                                                                                                                                       |
| 16 | C          | f   | 73  | soft tissue:ganlioneuroma      | Soft tissue, mediastinum, excision: Ganglioneuroma.                                                                                                                                                       |
| 17 | 9,10       | m   | 71  | tongue: squamous cell carcinoma| Tongue, tonsil, salivary gland and regional lymph nodes, left hemiglossectomy and radical neck dissection:  
Invasive squamous cell carcinoma, moderately differentiated  
1) size: 6x4.3x3.5cm  
2) infiltrative growth  
3) extension to underlying skeletal muscle  
4) intact anterior, posterior, lateral and medial resection margins  
5) intact but very close to basal resection margin (safety resection margin: less than 1mm)  
6) metastasis to 1 out of 49 regional lymph nodes (right level II(0/10), right level III(0/3), right level IV (0/13), left level II(1/8), left level III(0/0), left level IV(0/7), and left level V(0/8))  
Salivary gland, submandibular: Free from tumor extension. |
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<th>(keyword)</th>
<th>Diagnosis</th>
</tr>
</thead>
</table>
| 18 | 11,12      | m   | 58  | tongue: squamous cell carcinoma | Tongue and lymph node, wide excision and dissection:  
1. Tongue: Squamous cell carcinoma, well differentiated 
   1) size: 2.7x2.2cm 
   2) extension to the sublingual gland 
   3) perineural invasion(+) 
2. Resection margins, anterior, posterior, lateral side and basal 
   1) margin: Free of tumor. 
5. Regional lymph nodes: Free of tumor in all nodes(0/53), in detail, right level IIb(0/10), right level IIa(0/8), right level III (0/2), right level IV(0/4), right level Ib(0/5), left level Ia (0/4), left level Ib(0/5), left level III(0/6), left level IIa (0/3), left level IIb(0/6). |
| 19 | 1,2        | m   | 77  | lung: non-small cell carcinoma | Lung, right upper lobe, lobectomy:  
1. Poorly differentiated carcinoma, non-small cell type.  
   1) confined with the lung parenchyme and no visceral pleura involvement. 
   2) two separate masses (3.9x3.2cm and 2.6x2cm) with same histology. 
   3) lymphatic permeation: positive. 
4. Regional lymph nodes: Tumor metastasis to 1 out of 37 (1/37),in detail, left hilar(0/2), subcarinal(0/13), lower paratracheal(0/2), hilar(0/3), peribronchial(0/4), IPL(0/2), regional, attached(1/11). 
5. Results of histochemical and immunohistochemical staining:  
   PAS(-), Mucicarmine(-), NSE(-), Synaptophysin(-), Chromogranin(-) 
Lung, right upper lobe, lobectomy:  
1. Poorly differentiated carcinoma, non-small cell type, probably adenocarcinoma  
   1) confined within the lung parenchyme and no visceral pleura involvement  
   2) two completely separate masses (3.9x3.2cm and 2.6x2cm) with same histology (T4)  
   3) lymphatic permeation: Positive  
2. Resection margin, bronchial: Tumor positive. |
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</table>
| 20 | D          | m   | 57  | adenocarcinoma | Lung, LLL, lobectomy:  
1. Adenocarcinoma, acinic and papillary  
   1) marked mucin production  
   2) size: 4.7x4.6cm  
3) extension to visceral pleura  
3. Regional lymph node, peribronchial: Tumor metastasis (1/1). |
| 21 | 5,6        | m   | 82  | squamous cell carcinoma | Lung, LLL, lobectomy:  
1. Squamous cell carcinoma, poorly differentiated  
   1) size: 3.5x3cm  
2) extension to the visceral pleura  
| 22 | 7,8        | f   | 64  | large cell carcinoma | Lung, right lower lobe, lobectomy:  
1) squamous cell carcinoma, moderately differentiated  
   - size: 7x5cm  
   - extension to the visceral pleura  
   - associated obstructive pneumonitis  
2) bronchial resection margin: free of tumor. |
| 23 | 9,10       | f   | 76  | metastatic papillary carcinoma | Lymph nodes, neck, right, internal jugular vein, upper (4/12) and lower(0/8), modified radical neck dissection: Metastatic papillary carcinoma of the thyroid gland in 4 out of 20 nodes. |
| 24 | 11,12      | m   | 71  | metastatic carcinoma | Lymph nodes and submandibular gland, left, radical neck dissection:  
1. Lymph nodes, level I(3/5), level IIa(1/2), level IIb(0/7), level III(0/2), level IV(4/7) and level V(1/4):(9/37):  
   Metastatic poorly differentiated carcinoma.  
3. Oral mass, separately submitted: Involvement of carcinoma.  
4. Immunohistochemical stain results: Cytokeratin: positive, NSE, Synaptophysin, Chromogranin, CD56, leukocyte common antigen: negative. |
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</thead>
</table>
| 25 | 1,2        | m   | 76  | liver :cholangiocarcinoma    | Liver, right lobe, lobectomy:  
1. Cholangiocarcinoma, moderately differentiated, peripheral type  
   1) size: 11.5x9.5x7.0cm  
   2) expanding growth and extensive necrosis  
   3) penetration of hepatic capsule and invasion to soft tissue adjacent to diaphragm  
   4) vascular invasion (but not portal vein)  
   5) intrahepatic metastasis  
   6) intact intrahepatic resection margin and diaphragm  
   7) nonneoplastic liver showing reactive hepatitis  
2. Gallbladder, cholecystectomy: Free from tumor extension. |
| 26 | 3,4        | m   | 70  | liver :metastatic carcinoma  | Liver, right lobe, lobectomy:  
   Metastatic carcinoma, multiple, originated from large cell undifferentiated carcinoma of lung(S2004-5976)  
   1) size: 5.7x5.5x4.3cm and 4.0x3.5x3.5cm  
   2) frequent vascular invasion  
   3) intact intrahepatic resection margin  
   4) nonneoplastic liver showing reactive hepatitis |
| 27 | 5,6        | m   | 60  | liver :hepatocellular carcinoma | Liver, right lobe, lobectomy:  
   Hepatocellular carcinoma  
   1) size: 8x8x6.8cm  
   2) Edmondson-Steiner grade III  
   3) clear cell(majority) and trabecular histologic type  
   4) single nodular type with perinodal spreading growth  
   5) necrosis: less than 10% of total volume  
   6) microvascular invasion  
   7) intact intrahepatic resection margin  
   8) nonneoplastic liver showing: Chronic hepatitis, B viral, with mild inflammatory activity (Grade II) and early cirrhosis(Stage III). |
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<th>Diagnosis</th>
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</table>
| 28 | E          | f   | 66  | liver: hepatocellular carcinoma | Liver, right lobe, lobectomy:  
1. Hepatocellular carcinoma  
2) mixed histologic patterns including trabecular, adenoid and clear cell types  
3) Edmondson grade II+III  
4) single nodular type with perinodal spread  
5) expanding but focal infiltrating growth pattern  
6) microvascular invasion  
7) no significant necrosis (less than 20% of total volume)  
8) resection margin: Free of tumor.  
2. Gallbladder, cholecystectomy: Autolytic changes.  
<Additional report >  
nonneoplastic liver: Chronic hepatitis, B-viral, with minimal inflammatory activity (Grade I) and septal fibrosis (Stage III). |
| 29 | 9,10       | m   | 53  | kidney: renal cell carcinoma  
 | Kidney, left, nephrectomy:  
1. Renal cell carcinoma, clear cell type  
2) confined within the renal capsule  
3) nuclear grade II  
<table>
<thead>
<tr>
<th>No</th>
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<th>Diagnosis</th>
</tr>
</thead>
</table>
| 30 | 11,12      | f   | 71  | kidney :renal cell carcinoma | Adrenal gland and kidney, left, radical adrenalectomy and nephrectomy:  
1. Adrenal gland: Adrenal cortical carcinoma,  
   1) size: 12x10cm  
   2) extension to the capsule and adjacent pancreas  
4. Separate mass: Adrenal cortical carcinoma,  
5. Regional lymph node: Tumor metastasis(5/6), in detail,  
   retroperitoneal(4/4), splenic(1/2)  
| 31 | 1,2        | f   | 23  | ovary :malignant germ cell tumor | Ovary and fallopian tube, right, right salpingooophorectomy:  
1. Ovary: Malignant germ cell tumor, probably yolk sac tumor (endodermal sinus tumor).  
2. Fallopian tube: Paraovarian cyst.  
3. Result of special stain: AFP(+), HCG(-), PAS(+), D-PAS(-). |
| 32 | 3,4        | f   | 54  | ovary :serous cystadenocarcinoma | Uterus with right adnexa, total abdominal hysterectomy with right salpingooophorectomy:  
1. Cervix: Chronic nonspecific inflammation.  
2. Endometrium: Secretory phase.  
   2) Adenomyosis.  
   3) Tumor involvement at the outer wall of myometrium.  
4. Ovary, right: Serous cystadenocarcinoma.  
5. Fallopian tube: Tumor involvement at the serosa wall.  
| 33 | 5,6        | f   | 44  | ovary :clear cell carcinoma | Ovary, right, right salpingooophorectomy:  
Clear cell adenocarcinoma, well differentiated, with extraovarian spread.  
Fallopian tube: Free of tumor. |
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<tr>
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<th>keyword</th>
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</thead>
</table>
| 34 | 7,8        | f   | 33  | ovary : mucinous cystadenocarcinoma | Ovary and fallopian tube, left, salpingooophorectomy:  
Ovary: Mucinous cystadenocarcinoma confined within the capsule.  
Fallopian tube: Free of tumor.  
Ovary, right, partial oophorectomy:  
Mesothelial hyperplasia without tumor.  
Soft tissue, right and left, paracolic gutter, right retroperitoneum:  
Chronic nonspecific inflammation without tumor.  
Omentum, partial omentectomy:  
Chronic nonspecific inflammation with mesothelial hyperplasia. |
| F  |            | f   | 68  | uterine cervix:squamous cell carcinoma | Uterus with both adnexae, radical abdominal hysterectomy with bilateral salpingooophorectomy, BPLND:  
1) cervix: Invasive squamous cell carcinoma, moderately differentiated  
- large cell, keratinizing  
- size: 3.3x3cm  
- extension to the nearly whole depth(invasion depth: 1.7cm)  
- lateral margin: Free of tumor  
- lymphovascular permeation: positive  
2) endometrium: atrophy  
3) myometrium : leiomyoma, subserosal  
4) ovaries, bilateral: no pathological diagnosis  
5) fallopian tubes, bilateral: no pathological diagnosis  
6) parametrium, bilateral: free of tumor  
7) vaginal cuff: free of tumor  
8) regional lymph nodes: free of tumor in all nodes(0/16), in detail, right pelvic node(0/9), left pelvic node(0/5), common iliac node(0/2). |
# A201 VI: Various cancer tissues

<table>
<thead>
<tr>
<th>No</th>
<th>Coordinate</th>
<th>Sex</th>
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<th>keyword</th>
<th>Diagnosis</th>
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</thead>
<tbody>
<tr>
<td>36</td>
<td>11,12</td>
<td>f</td>
<td>58</td>
<td>uterine cervix: invasive squamous cell carcinoma</td>
<td>Uterus with both adnexae, radical abdominal hysterectomy with bilateral salpingooophorectomy: 1. Cervix: Invasive squamous cell carcinoma, large cell partly keratinizing 1) size: 3.2x3.8cm 2) entire cervix and lower endometrium involvement 3) extension through the whole depth (2.2cm in depth), but lateral margin, free of tumor. 4) lymphovascular permeation, suspicious 2. Endometrium: Atrophy. 3. Myometrium: Leiomyoma, intramural. 4. Ovaries, bilateral: No pathological diagnosis. 5. Fallopian tubes, bilateral: No pathological diagnosis. 6. Parametrium, bilateral: Free of tumor. 7. Vaginal cuff: Free of tumor. 8. Regional lymph nodes: Free of tumor in all nodes (0/20), in detail, right pelvic node(0/10), left pelvic node(0/10).</td>
</tr>
<tr>
<td>37</td>
<td>1,2</td>
<td>m</td>
<td>32</td>
<td>testis: seminoma</td>
<td>Testis, pelvic, orchiectomy: Seminoma, classic, with multifocal necrosis and extensive vascular invasion. Spermatic cord: No pathological</td>
</tr>
<tr>
<td>38</td>
<td>3,4</td>
<td>m</td>
<td>38</td>
<td>testis: seminoma</td>
<td>Testis, left, orchiectomy: Seminoma with invasion beyond tunica albuginea (pT2) and associated with intratubular germ cell neoplasia. Spermatic cord: Free of tumor.</td>
</tr>
</tbody>
</table>
# A201 VI: Various cancer tissues

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<thead>
<tr>
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<tr>
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<td>Colon, sigmoid, radical sigmoid colectomy:</td>
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<td></td>
<td></td>
<td>1. Ulcero-fungating adenocarcinoma, poorly differentiated</td>
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<td></td>
<td></td>
<td></td>
<td>1) size: 4.2cm in length</td>
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<td>2) extension to the pericolic fat tissue (pT3c)</td>
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<td>3) lateral margin: Free of tumor</td>
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<td></td>
<td>4) lymphovascular permeation: present</td>
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<td></td>
<td>2. Resection margins, proximal and distal: Free of tumor.</td>
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<td>3. Regional lymph nodes: Tumor metastasis to 2 out of 17 (2/17), in detail, principal(0/8), regional(2/9).</td>
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<td>MSI (Microsatellite instability) test</td>
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<td>Marker Name bat26 D5S346 bat25 D17S250 D2S123</td>
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<td>Microsatellite No No No No No No MSS instability</td>
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<td>Allelic uninformative uninformative No(1.15) uninformative Imbalance</td>
</tr>
<tr>
<td>39</td>
<td>5,6</td>
<td>m</td>
<td>74</td>
<td>colon</td>
<td>adenocarcinoma</td>
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<td></td>
<td></td>
<td>Colon, rectum, lower anterior resection:</td>
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<td></td>
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<td>1. Colon: Ulcerofungating adenocarcinoma, moderately differentiated,</td>
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<td></td>
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<td>1) size: 5.5x4.5cm</td>
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<td>2) extension to the pericolic fat tissue (pT3c)</td>
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<td>3) lateral margin: Free of tumor</td>
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<td>4) lymphovascular permeation: Positive</td>
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<td>4. Regional lymph nodes: Tumor metastasis to 4 out of 11 (4/11), in detail, regional(4/8), principal(0/3).</td>
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</table>
| 41 | 9,10       | m   | 46  | rectum : adenocarcinoma  | Rectum, low anterior resection:  
  1) Ulcerofungating adenocarcinoma, moderately differentiated  
  2) size: 6.2x5.2cm  
  3) infiltrative growth  
  4) extension to perirectal soft tissue but intact lateral resection margin  
  5) no vascular and perineural invasion  
  6) intact proximal and distal resection margins  
  7) metastasis to 5 out of 29 perirectal lymph nodes (principal(0/9) and perirectal(5/20))  
  MSI (Microsatellite instability) test  
  Marker Name  | bat26 | D5S346 | bat25 | D17S250 | D2S123 | 판독 |
<p>|               | No   | No     | No   | No   | No     | MSS instability |
|               | Allelic | uninformative | uninformative | No(0.79) | No(1.28) | Imbalance |</p>
<table>
<thead>
<tr>
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<th>Diagnosis</th>
</tr>
</thead>
</table>
| 43 | 1,2        | m   | 55  | skin : dermatofibrosarcoma | Skin, lower back, wide excision:  
Dermatofibrosarcoma protuberans.  
Resection margin: Free of tumor. |
| 44 | H          | m   | 40  | skin : squamous cell carcinoma | Skin, scalp, excision:  
Invasive squamous cell carcinoma, well-differentiated with  
1) extension to the subcutaneous fat tissue (invasion depth: about 3cm).  
Resection margins, all circumference and base: Free of tumor.  
Lymph nodes, level 2a(0/36), level 2b(0/11), level III(0/25),  
level IV(0/13) and level V(0/11):(0/96): Free of tumor. |