

A201(III)- Various cancer tissues

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Specifications:

- No. of cases: 44
- Tissue type: Various cancer tissues
- No. of spots: 2 spots from each cancer case (88 spots)
- Total spots: 88
- Diameter: 1.0 mm
- Slide: SuperFrost Plus slides

Documents:

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

Layout:

| | | | | | | | | | | | | |
|---|--|---|---|--------|------------------|---|----------------------|---|------------------------|----|----------|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | BRAIN ASTROCYTOMA. | | | | ESOPHAGUS SCC | | | | LARYNX SCC | | | |
| | THYROID | | | BREAST | | | | | | | | |
| B | PAPILLARY CA. | | | | FOLLICULARCA. | | | | INFILTRATINGDUCTAL CA. | | | |
| | STOMACH | | | | | | PANCREAS | | | | | |
| C | SIGNET RING CELL CA. | | | | | | PAPILLARYMUCINOUSCA. | | ADENOCA. | | | |
| | TONSIL | | | LUNG | | | LYMPH NODE | | | | | |
| D | DIFFUSE LARGE CELL LYMPHOMA. | | | | ADENOCA. | | | | METASTATIC CA | | | |
| | LIVER | | | | | | KIDNEY | | | | | |
| E | CHOLANGIOCA. | | | | HCC | | | | WILM'S TUMOR | | RCC | |
| | OVARY | | | | | | CERVIX | | | | | |
| F | TRANSITIONAL CELL CA. | | | | CLEAR CELL CA. | | | | ADENOSQUAMOUS CELL CA. | | SCC | |
| | PROSTATE | | | COLON | | | RECTUM | | CECUM | | | |
| G | ADENOCA. | | | | ADENOCA. | | | | ADENOCA. | | ADENOCA. | |
| | SKIN | | | | | | | | | | | |
| H | SCC | | | | | | | | | | | |
| | ADENOCA = ADENOCARCINOMA, CA = CARCINOMA SCC = SQUAMOUS CELL CARCINOMA HCC = HEPATOCELLULAR CARCINOMA | | | | | | | | | | | |

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Summary of tissue spots

| No | Coordinates | Sex | Age | Keyword | |
|----|-------------|-------|-----|---------|--|
| 1 | A | 1,2 | m | 50 | Brain: astrocytoma |
| 2 | | 3,4 | f | 55 | Brain: astrocytoma |
| 3 | | 5,6 | m | 57 | Esophagus: squamous cell carcinoma |
| 4 | | 7,8 | m | 53 | Esophagus: squamous cell carcinoma |
| 5 | | 9,10 | f | 77 | Larynx: squamous cell carcinoma |
| 6 | | 11,12 | m | 73 | Larynx: squamous cell carcinoma |
| 7 | B | 1,2 | f | 47 | Thyroid gland: papillary carcinoma |
| 8 | | 3,4 | f | 46 | Thyroid gland: papillary carcinoma |
| 9 | | 5,6 | f | 22 | Thyroid gland: follicular carcinoma |
| 10 | | 7,8 | f | 43 | Thyroid gland: follicular carcinoma |
| 11 | | 9,10 | f | 34 | Breast: infiltrating ductal carcinoma |
| 12 | | 11,12 | f | 41 | Breast: infiltrating ductal carcinoma |
| 13 | C | 1,2 | m | 68 | Stomach: signet ring cell carcinoma |
| 14 | | 3,4 | m | 40 | Stomach: signet ring cell carcinoma |
| 15 | | 5,6 | f | 26 | Stomach: signet ring cell carcinoma |
| 16 | | 7,8 | f | 72 | Stomach: signet ring cell carcinoma |
| 17 | | 9,10 | m | 64 | Pancreas: papillary mucinous carcinoma |
| 18 | | 11,12 | m | 66 | Pancreas: adenocarcinoma |
| 19 | D | 1,2 | f | 38 | Tonsil: diffuse large cell lymphoma |
| 20 | | 3,4 | m | 45 | Tonsil: diffuse large cell lymphoma |
| 21 | | 5,6 | f | 66 | Lung: adenocarcinoma |
| 22 | | 7,8 | m | 57 | Lung: adenocarcinoma |
| 23 | | 9,10 | m | 35 | Lymph node: metastatic carcinoma |
| 24 | | 11,12 | m | 65 | Lymph node: metastatic carcinoma |
| 25 | E | 1,2 | f | 60 | Liver: cholangiocarcinoma |
| 26 | | 3,4 | f | 53 | Liver: cholangiocarcinoma |
| 27 | | 5,6 | m | 46 | Liver: hepatocellular carcinoma |
| 28 | | 7,8 | m | 55 | Liver: hepatocellular carcinoma |
| 29 | | 9,10 | f | 1 | Kidney: Wilms' tumor |
| 30 | | 11,12 | m | 63 | Kidney: renal cell carcinoma |
| 31 | F | 1,2 | f | 60 | Ovary: transitional cell carcinoma |
| 32 | | 3,4 | f | 56 | Ovary: transitional cell carcinoma |
| 33 | | 5,6 | f | 31 | Ovary: clear cell carcinoma |
| 34 | | 7,8 | f | 40 | Ovary: clear cell carcinoma |
| 35 | | 9,10 | f | 35 | Cervix: adenosquamous cell carcinoma |
| 36 | | 11,12 | f | 36 | Cervix: squamous cell carcinoma |

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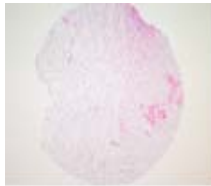
Summary of tissue spots

| No | Coordinates | Sex | Age | Keyword | |
|----|-------------|-------|-----|---------|-------------------------------|
| 37 | G | 1,2 | m | 59 | Prostate: adenocarcinoma |
| 38 | | 3,4 | m | 63 | Prostate: adenocarcinoma |
| 39 | | 5,6 | m | 76 | Colon: adenocarcinoma |
| 40 | | 7,8 | m | 71 | Colon: adenocarcinoma |
| 41 | | 9,10 | m | 43 | Rectum: adenocarcinoma |
| 42 | | 11,12 | m | 46 | Cecum: adenocarcinoma |
| 43 | H | 1,2 | f | 71 | Skin: squamous cell carcinoma |
| 44 | | 3,4 | m | 67 | Skin: squamous cell carcinoma |

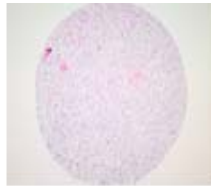
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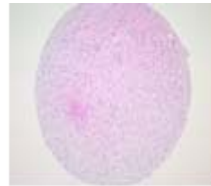
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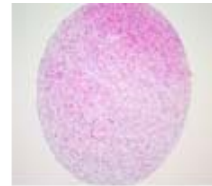
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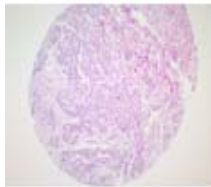
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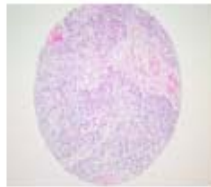
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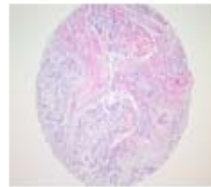
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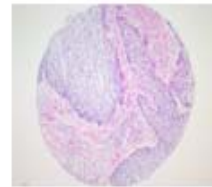
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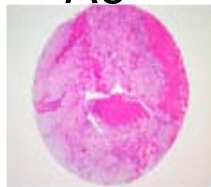
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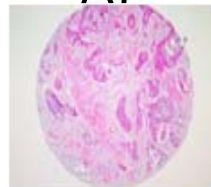
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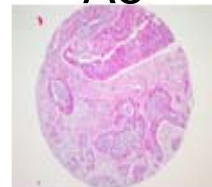
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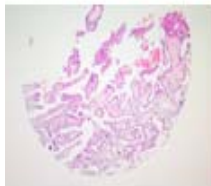
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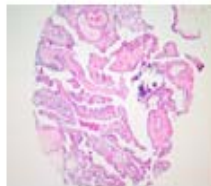
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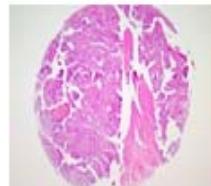
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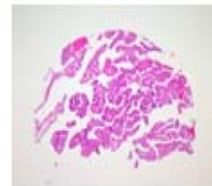
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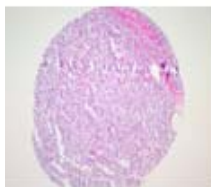
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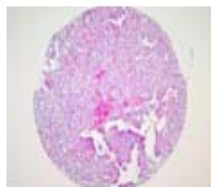
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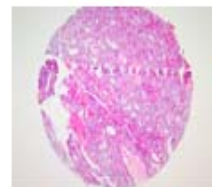
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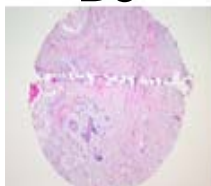
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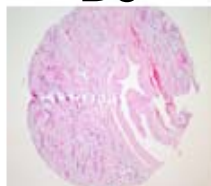
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B9



B10



B11

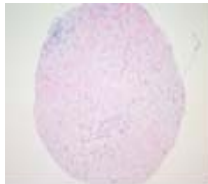


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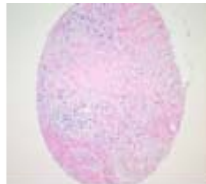
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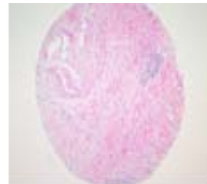
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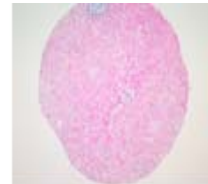
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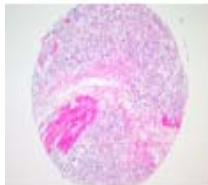
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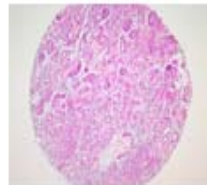
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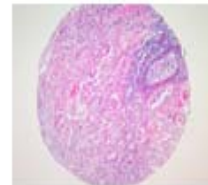
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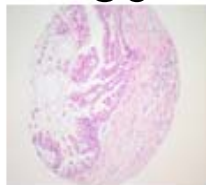
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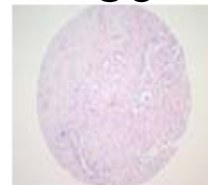
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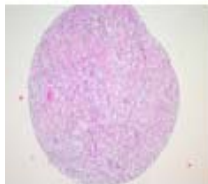
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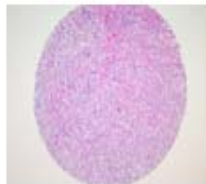
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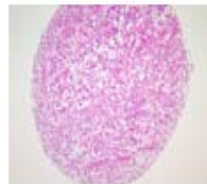
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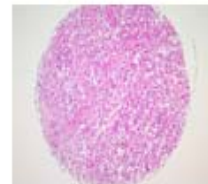
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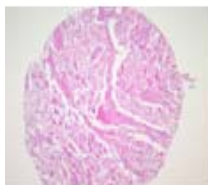
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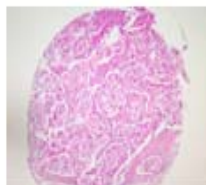
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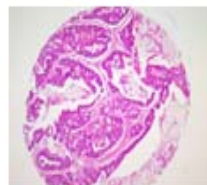
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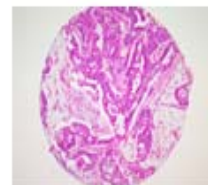
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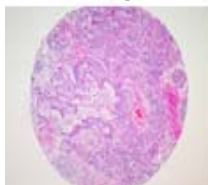
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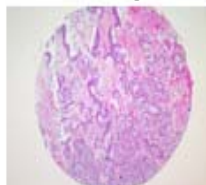
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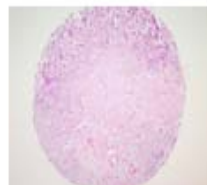
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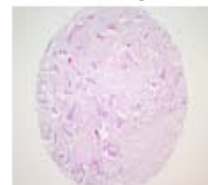
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D10



D11

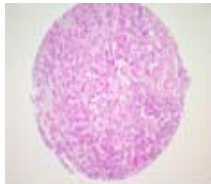


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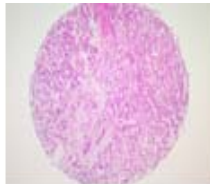
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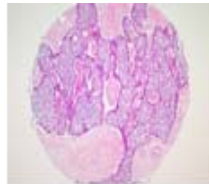
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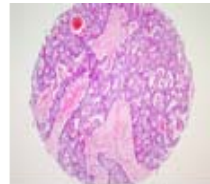
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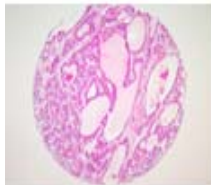
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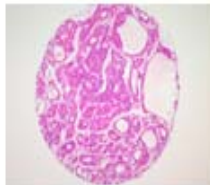
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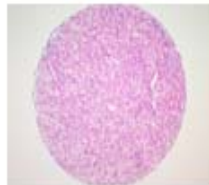
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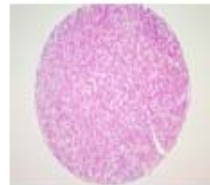
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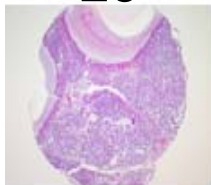
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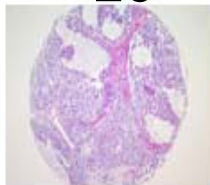
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E8



E9



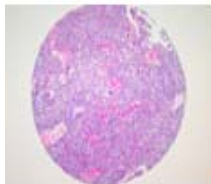
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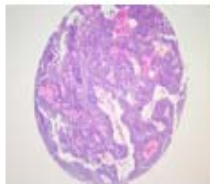
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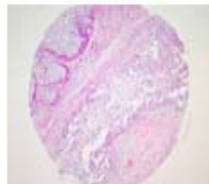
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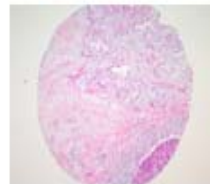
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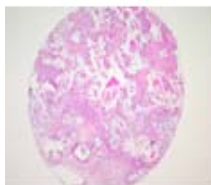
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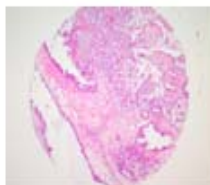
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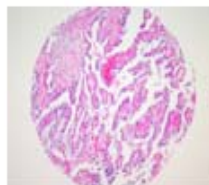
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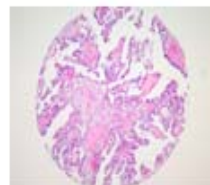
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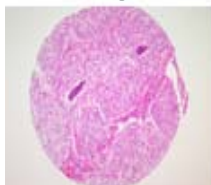
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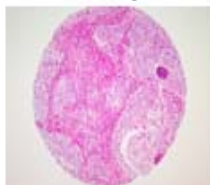
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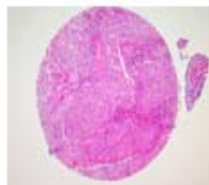
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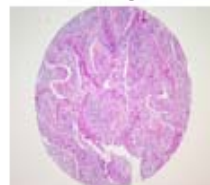
F9



F10



F11

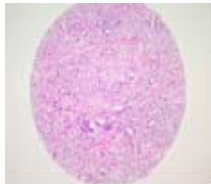


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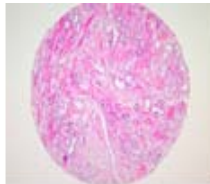
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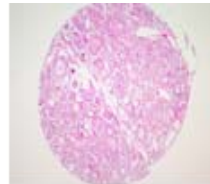
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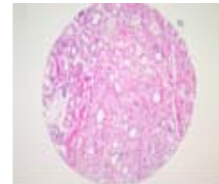
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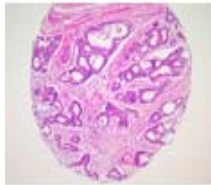
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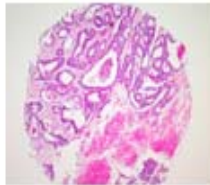
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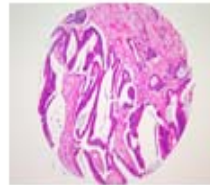
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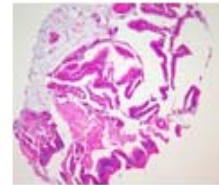
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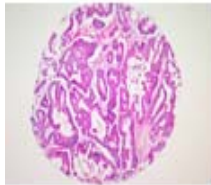
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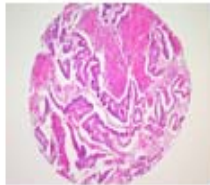
G7



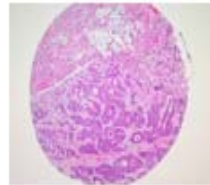
G8



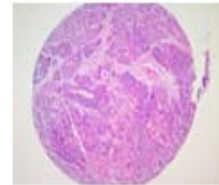
G9



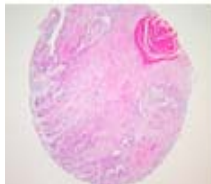
G10



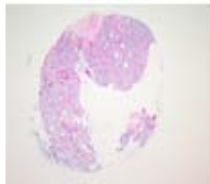
G11



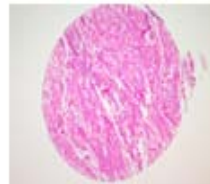
G12



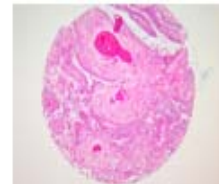
H1



H2



H3



H4

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis | |
|----|-----------|------|-----|---------|------------------------------------|--|
| 1 | A | 1,2 | m | 50 | brain: astrocytoma | Brain, tumor removal: glioblastoma multiforme. |
| 2 | A | 3,4 | f | 55 | brain: astrocytoma | Brain, removal(frozen section): glioblastoma. |
| 3 | A | 5,6 | m | 57 | esophagus: squamous cell carcinoma | Esophagus and cardia of stomach, esophagectomy and node dissection: 1) ulcerative squamous cell carcinoma, poorly differentiated, - size: 3.3x1cm - extension to the outer muscle layer - 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). |
| 4 | A | 7,8 | m | 53 | esophagus: squamous cell carcinoma | Esophagus, esophagectomy: ulcerofungating squamous cell carcinoma, moderately differentiated with 1) size: 5x3cm 2) infiltrative growth 3) penetration of proper muscle layer and extension to adventitia(T3) 4) involvement at resection margin of adventitia 5) no vascular and perineural invasions 6) intact proximal(esophagus) and distal resection margin (stomach) 7) no metastasis to paraesophageal lymph nodes(0/2). |
| 5 | A | 9,10 | f | 77 | larynx: squamous cell carcinoma | Larynx, total laryngectomy: 1) squamous cell carcinoma, moderately differentiated, supraglottic, involving both supra- and infrahyoid epiglottis, extending into thyroid cartilage, without involving true vocal cords 2) resection margins, tongue base and pharyngeal: mild epithelial atypia 3) resection margin, trachea: free of tumor extension 4) lymph nodes, neck dissection, right level IIA(0/10), right level IIB(1/8), right level III(0/2), right level IV(0/7), left level IIA (1/5), left level IIB(0/9), left level III(4/0), left level IV(0/0) : (2/41): Metastatic carcinoma in 2 out of 41 nodes (microscopic presence of tumor cell nests in subcapsular sinus in both two nodes). |

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis |
|----|-----------|-----|-----|-------------------------------------|---|
| 6 | A 11,12 | m | 73 | larynx: squamous cell carcinoma | Larynx, supraglottic, partial laryngectomy: polypoid squamous cell carcinoma, moderate differentiated, in supraglottic area, 1) size: 3x1.5x1.5cm 2) expanding growth 3) penetration of epiglottic cartilage and invasion to peri-epiglottic soft tissue 4) epithelial dysplasia, mild to moderate, in mucosa of inferior resection margin 5) vascular invasion 6) intact anterior, posterior and tongue, resection margins 7) surrounding mucosa showing high grade epithelial dysplasia 8) intact bilateral SCM muscle, and salivary glands from tumor 9) metastasis to 5 out of 96 neck lymph nodes (right level I(0/6), right level II(0/16), right level III(1/5), right level IV(0/13), left level I(0/5), left level II(0/8), left level IIa(1/13), level IIb(2/13), left level III(0/10), level IV(0/3), level IV, separately submitted(0/4)) 10) hyoid bone: Intact from tumor. |
| 7 | B 1,2 | f | 47 | thyroid gland: papillary carcinoma | Thyroid glands, bilateral with lymph nodes, right anterolateral, total thyroidectomy with dissection: 1) papillary carcinoma involving both lobes (intrathyroidal metastasis) and penetrating capsule with extension to the perithyroidal soft tissue 2) resection margin: free of tumor 3) lymph nodes, No.3,4(0/14), No.6,7(1/4):(1/18):metastatic papillary carcinoma in 1 out of 18 lymph nodes 4) soft tissue, submitted as No.6,7 lymph node: presence of papillary carcinoma. |
| 8 | B 3,4 | f | 46 | thyroid gland: papillary carcinoma | Thyroid glands, bilateral with lymph nodes, right anterolateral, total thyroidectomy with dissection: 1) papillary carcinoma involving both lobes (intrathyroidal metastasis) and penetrating capsule with extension to the perithyroidal soft tissue 2) resection margin: free of tumor 3) lymph nodes, No.3,4(0/14), No.6,7(1/4):(1/18): metastatic papillary carcinoma in 1 out of 18 lymph nodes 4) soft tissue, submitted as No.6,7 lymph node: presence of papillary carcinoma. |
| 9 | B 5,6 | f | 22 | thyroid gland: follicular carcinoma | Thyroid gland, thyroidectomy: follicular carcinoma, confined to the thyroid gland. |
| 10 | B 7,8 | f | 43 | thyroid gland: follicular carcinoma | Thyroid, thyroidectomy: encapsulated follicular carcinoma with capsular invasion, and angioinvasion, intrathyroidal. |

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis |
|----|------------|-----|-----|---------------------------------------|--|
| 11 | B 9,10 | f | 34 | breast: infiltrating ductal carcinoma | Breast, right, total mastectomy: infiltrating ductal carcinoma with prominent tubular differentiation 1) Black's nuclear grade 2 (moderately differentiated) 2) modified Bloom-Richardson's histological grade I (tubule formation:1, nuclear pleomorphism:2, mitosis:1) 3) intraductal component > 30% 4) extensive intraductal component: positive 5) no vascular permeation 6) ER(+), PR(+), CerB2(-) 7) nipple and areola: free of tumor 8) overlying skin: free of tumor 9) underlying fascia: free of tumor. |
| 12 | B 11,12 | f | 41 | breast: infiltrating ductal carcinoma | Breast, left, modified radical mastectomy: 1) Infiltrating ductal carcinoma, black's nuclear grade 3 (well differentiated) modified Bloom-Richardson's histological grade I(tubule formation: 2, nuclear pleomorphism: 1, mitosis: 1) 2) nipple and areola: free of tumor 3) overlying skin: free of tumor 4) underlying fascia: close to tumor(within 1mm) 5) regional lymph node, axillary(3/15), level II(0/1), level III(0/1): (3/17): tumor metastasis in 3 out of 15 nodes(pN1bi) 6) Immunohistochemical stain: ER(+), PR(+), C erb B2(-). |
| 13 | C 1,2 | m | 68 | stomach: signet ring cell carcinoma | Stomach, small intestine with liver, radical total gastrectomy, segmental resection with wedge resection: 1) adenocarcinoma, poorly differentiated, ulceroinfiltrative type with extension to the perigastric fat tissue and exposure to free serosal surface 2) multifocal lymphovascular permeation 3) liver: focal extension of carcinoma 4) resection margins, proximal(esophagus), distal(small intestine) and liver: free of tumor 5) lymph nodes(3/17): tumor metastasis to 3 out of 17 lymph nodes with perinodal soft tissue extension. |

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis |
|----|-----------|-----|-----|--|---|
| 14 | C 3,4 | m | 40 | stomach: signet ring cell carcinoma | Stomach, radical subtotal gastrectomy: 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. |
| 15 | C 5,6 | f | 26 | stomach: signet ring cell carcinoma | 1. Stomach, radical total gastrectomy: 1) signet ring cell carcinoma, diffuse infiltrative type with extensin to the perigastric fat tissue, entire layer of distal esophagus and exposure to free serosal surface 2) resection margins, proximal and distal: free of tumor 3) lymph nodes: No.3(1/10), No.4(0/5), No.5(0/1), No.6(0/8),No.7(1/3), No.8(0/3), No.10(0/5) and No.11(0/3):(2/38): metastatic carcinoma in 2 out of 38 lymph nodes. 2. Spleen, splenectomy: no pathological diagnosis. |
| 16 | C 7,8 | f | 72 | stomach: signet ring cell carcinoma | 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 4) soft tissue, labelled as No.12 lymph node: free of tumor. |
| 17 | C 9,10 | m | 64 | pancreas: papillary mucinous carcinoma | Duodenum, pancreas, common bile duct, gallbladder, whipple's operation: 1) pancreas: papillary mucinous carcinoma, invasive with extension to peripancreatic soft tissue 2) common bile duct and gallbladder: chronic nonspecific inflammation without invasion of carcinoma 3) resection margin, proximal, distal and common bile duct: free of tumor 4) lymph nodes, peripancreatic(0/4), pericholecystic(0/1), left gastric (0/4), paraaortic(0/6), site unstated(0/1), mesenteric(0/7):(0/23): free of tumor. |

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis |
|----|-----------|-----|-----|-------------------------------------|--|
| 18 | C 11,12 | m | 66 | pancreas: adenocarcinoma | Common bile duct, duodenum, pancreas, gallbladder and cystic duct, PPPD: ductal adenocarcinoma of pancreas, poorly differentiated with 1) size: 2x1.5x1cm 2) infiltrative growth and extension to ampulla of vater, proper muscle layer of duodenum and periapncreatic soft tissue 3) frequent perineural invasion 4) intact resection margins including proximal and distal(duodenum, pancreatic, and common bile duct) 5) no metastasis to regional lymph nodes(peripancreatic(0/1), No.8(0/2), No.12(0/4)) 6) atrophy with fatty ingrowth in pancreas 7) gallbladder: acute and chronic cholecystitis with focal ulceration 8) small intestine, duodenum: free from tumor extension. |
| 19 | D 1,2 | f | 38 | tonsil: diffuse large cell lymphoma | Tonsils, bilateral, tonsillectomy: diffuse large B-cell lymphoma, histiocyte rich or anaplastic variant. |
| 20 | D 3,4 | m | 45 | tonsil: diffuse large cell lymphoma | Tonsils, bilateral, tonsillectomy: 1) left : diffuse large B cell lymphoma 2) right: chronic follicular tonsillitis. |
| 21 | D 5,6 | f | 66 | lung: adenocarcinoma | Lung, right, pneumonectomy: 1) adenocarcinoma, poorly differentiated, arising from posterior segment involving but not penetrating visceral pleura. 2) resection margin, bronchus: free of tumor 3) pulmonary vessels: free of tumor 4) lymph nodes, subhilar(0/6), lobar(0/4) and segmental(0/4), free of tumor in all 14 nodes. |
| 22 | D 7,8 | m | 57 | lung: adenocarcinoma | Lung, right upper lobe, lobectomy: 1) adenocarcinoma, moderately differentiated, clinically metastatic with - multifocal necrosis - extension to the parietal pleura - several foci of bronchiolar protrusion 2) bronchial resection margin: free of tumor 3) regional lymph nodes, perihilar(0/1), subcarinal(0/1), tracheobronchial(0/1):(0/3): free of tumor 4) soft tissue, labelled as paraesophageal lymph nodes: Schwannoma. |

A201(III): Various cancer tissues

| No | Coordinat | | Sex | Age | Keyword | Diagnosis |
|----|-----------|-------|-----|-----|----------------------------------|--|
| 23 | D | 9,10 | m | 35 | lymph node: metastatic carcinoma | <p>Ascending colon, right hemicolectomy:</p> <ol style="list-style-type: none"> 1) adenocarcinoma, moderately differentiated with mucin pool formation (about 30% of tumor), fungating type and extension to the pericolic fat tissue 2) resection margins, proximal and distal: free of tumor 3) lymph nodes, regional(4/31): tumor metastasis to 4 out of 31 lymph nodes 4) appendix: free of tumor. |
| 24 | D | 11,12 | m | 65 | lymph node: metastatic carcinoma | <p>Rectum, low anterior resection:</p> <p>ulceroinfiltrative adenocarcinoma, moderately differentiated, perforated with</p> <ol style="list-style-type: none"> 1) size: 4x3.5cm 2) diffuse infiltrative growth 3) penetration of whole layer and extension to lateral resection margin 4) frequent lymphovascular and perineural invasion 5) tumor extension of proximal and lateral resection margins but intact distal one, separately submitted 6) metastasis to 21 out of 22 regional lymph nodes(perirectal(20/21) and principal, separately submitted(1/1)) 7) serrated adenoma with low grade dysplasia 8) appendix, appendectomy: free from tumor extension. |
| 25 | E | 1,2 | f | 60 | liver: cholangiocarcinoma | <p>Liver, segments IV, V, segmentectomy:</p> <ol style="list-style-type: none"> 1) cholangiocarcinoma, poorly differentiated, arising from major hepatic duct of the hilar area with <ul style="list-style-type: none"> - size: 11x8cm - infiltrative growth with multiple intrahepatic metastasis - frequent lymphovascular and perineural invasion - diffuse invasion to hepatic capsule, bile duct, duodenum, diaphragm, and surrounding soft tissue - extension to resection margins of the bile ducts - metastasis to lymph node(separately submitted) 2) non-neoplastic liver showing reactive hepatitis. |

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis |
|----|-----------|-----|-----|---------------------------------|---|
| 26 | E 3,4 | f | 53 | liver: cholangiocarcinoma | <p>1. Liver, right, lobectomy: cholangiocarcinoma, with focal hepatoid feature with</p> <ol style="list-style-type: none"> 1) size: 7.5x7x6.5cm 2) poorly differentiated 3) expanding growth and intact hepatic resection margin (safety margin: about 1mm) 4) capsular involvement 5) non neoplastic liver showing reactive hepatitis <p>2. Gallbladder: free from tumor extension.</p> |
| 27 | E 5,6 | m | 46 | liver: hepatocellular carcinoma | <p>1. Liver, lateral segment, segmentectomy: hepatocellular carcinoma with</p> <ol style="list-style-type: none"> 1) size: 4.5x4x3.5cm 2) edmondson steiner grade II 3) adenoid histologic type 4) mixed infiltrative and single nodular gross type 5) intrahepatic metastasis 6) portal vein, frequent microvascular and perineural invasions 7) no significant necrosis (less than 5% of total volume) 8) chronic hepatitis, C viral, with moderate inflammatory activity(grade III) and cirrhosis (stage IV) <p>2. Gallbladder, separately submitted: free from tumor.</p> |
| 28 | E 7,8 | m | 55 | liver: hepatocellular carcinoma | <p>1. Liver, posterior segment, segmentectomy: hepatocellular carcinoma with</p> <ol style="list-style-type: none"> 1) size: 5.5x5x4.5cm 2) scirrhous type mostly composed of clear cells 3) edmonson grade III 4) nodular with perinodular extension 5) intrahepatic metastasis forming in satellite nodule 6) microvessel invasion 7) nonneoplastic liver showing chronic hepatitis, B viral, with mild inflammatory activity(grade II) and periportal fibrosis(stage II) by ludwing classification <p>2. Gallbladder, cholecystectomy: autolysis without tumor metastasis.</p> |

A201(III): Various cancer tissues

| No | Coordinat | | Sex | Age | Keyword | Diagnosis |
|----|-----------|-------|-----|-----|------------------------------------|---|
| 29 | E | 9,10 | f | 1 | kidney: Wilms' tumor | <p>1. Kidney and appendix, nephrectomy and appendectomy:</p> <ol style="list-style-type: none"> 1) kidney: wilms' tumor without anaplasia, limited within renal capsule, and completely resected (stage I). 2) resection margins, blood vessels and ureter: free of tumor 3) adrenal gland: free of tumor 4) lymph node, mesenteric(0/1): free of tumor 5) appendix, incidental appendectomy: no pathological diagnosis. |
| 30 | E | 11,12 | m | 63 | kidney: renal cell carcinoma | <p>Kidney, left, radical nephrectomy:</p> <ol style="list-style-type: none"> 1) renal cell carcinoma, conventional(clear cell) type, with <ul style="list-style-type: none"> - confined within renal capsule - fuhrman's nuclear grade: 3 - invasion to the renal vein - no pelvocaliceal system 2) simple cyst 3) double uterus 4) resection margins, ureter and vessels: free of tumor 5) adrenal gland: free of tumor 6) lymph node, hilar(0/1): free of tumor. |
| 31 | F | 1,2 | f | 60 | ovary: transitional cell carcinoma | Ovary, biopsy: transitional cell carcinoma. |
| 32 | F | 3,4 | f | 56 | ovary: transitional cell carcinoma | <p>Ovary, both, bilateral salpingoophorectomy:</p> <ol style="list-style-type: none"> 1) mixed carcinoma composing transitional cell carcinoma and serous adenocarcinoma, bilateral, with extension through ovarian capsule to extraovarian and paratubal soft tissue and extensive lymphovascular permeation 2) fallopian tube, right: metastatic transitional cell carcinoma 3) fallopian tube, left : free of tumor. |

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis |
|----|-----------|-----|-----|--------------------------------------|--|
| 33 | F 5,6 | f | 31 | ovary: clear cell carcinoma | <p>Uterus including right ovary, total abdominal hysterectomy with right salpingoophorectomy:</p> <ol style="list-style-type: none"> 1) cervix: chronic nonspecific inflammation 2) endometrium: secretory phase 3) myometrium: serosal invasion of clear cell carcinoma 4) ovary, right: clear cell carcinoma involving capsule, with extension to the adnexal surface and lymphovascular permeation 5) fallopian tube: no pathological diagnosis 6) periaidnexa, left: Invasion of clear cell carcinoma with cyst formation 7) vaginal cuff: free of tumor. |
| 34 | F 7,8 | f | 40 | ovary: clear cell carcinoma | <ol style="list-style-type: none"> 1. Ovary, left, oophorectomy: <ol style="list-style-type: none"> 1) clear cell carcinoma, ruptured 2) endometriotic cyst 2. Ovary, right, wedge biopsy: <ol style="list-style-type: none"> 1) endometriotic cyst focally surfaced by endometrial gland with 2) nuclear atypia and clear cytoplasmic change, see note. <p>Note: The possibility of clear cell carcinomatous change cannot be ruled out.</p> |
| 35 | F 9,10 | f | 35 | cervix: adenosquamous cell carcinoma | <p>Uterus with adnexa, left and lymph node, pelvic, radical abdominal hysterectomy with left salpingoophorectomy and dissection:</p> <ol style="list-style-type: none"> 1) cervix: Invasive adenosquamous cell carcinoma with focal lymphovascular permeation showing squamous cell carcinoma, large cell, non-keratinizing type (invasion depth: 1.2cm), and mucinous adenocarcinoma, endocervical type, moderately differentiated 2) endometrium: secretory phase 3) myometrium: no pathological diagnosis 4) ovary, left: no pathological diagnosis 5) fallopian tube, left: no pathological diagnosis 6) parametria, bilateral: free of tumor 7) vaginal cuff: free of tumor 8) lymph nodes, right pelvic(0/14), left pelvic(2/7) and common iliac (0/3),(2/24): metastatic adenosquamous cell carcinoma in 2 out of 24 lymph nodes. |

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis |
|----|-----------|-----|-----|---------------------------------|--|
| 36 | F 11,12 | f | 36 | cervix: squamous cell carcinoma | <p>Uterus, total abdominal hysterectomy:</p> <ol style="list-style-type: none"> 1) cervix: Invasive squamous cell carcinoma, large cell, nonkeratinizing type, at area between 3-6 o'clock directions with <ul style="list-style-type: none"> - size: 2.5x2x0.8cm - depth of invasion: 8mm - expanding growth - no vascular invasion - intact resection margins of vaginal cuff 2) endometrium: - secretory phase without tumor extension <ul style="list-style-type: none"> - adenomyosis 3) parametrium, bilateral: free from tumor extension 4) regional lymph nodes, right(0/6) and left(0/5) and pelvic, separately submitted: free from tumor extension. |
| 37 | G 1,2 | m | 59 | prostate: adenocarcinoma | <p>Prostate :</p> <ol style="list-style-type: none"> 1) gleason score: 9 2) volume (%): 40 3) size: 2.5(cm) 4) location of tumor: left 5) zone: peripheral zone, transitional zone 6) apex: 0 7) base: 1 8) seminal vesicle: 0 9) high grade prostatic intraepithelial neoplasm: 1 10) lymph node: 0 11) plasm psa level: 16.97 12) stage: 2. |

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis |
|----|-----------|-----|-----|--------------------------|--|
| 38 | G 3,4 | m | 63 | prostate: adenocarcinoma | <p>Prostate :</p> <ol style="list-style-type: none"> 1) gleason score: 7 2) volume (%): 25 3) size: 2.5(cm) 4) location of tumor: left 5) zone: peripheral zone 6) apex: 1 7) base: 0 8) seminal vesicle: 0 9) high grade prostatic intraepithelial neoplasm: 1 10) lymph node: 23.4 12) stage: 2. |
| 39 | G 5,6 | m | 76 | colon: adenocarcinoma | <p>Sigmoid colon with pericolic fatty tissue, anterior resection: ulcerative adenocarcinoma, moderately differentiated, with</p> <ol style="list-style-type: none"> 1) size: 3.5x3.5cm 2) expanding growth 3) penetration of muscle layer and extension to pericolic fatty tissue 4) lymphovascular invasion 5) intact proximal and distal resection margins 6) metastasis to 1 out of 9 pericolic fatty tissue (1/9:pericolic(1/9) and principal, separately submitted (0/0)). |
| 40 | G 7,8 | m | 71 | colon: adenocarcinoma | <ol style="list-style-type: none"> 1. Colon, cecum and transverse colon, right hemicolectomy: ulcerofungating adenocarcinoma, moderately differentiated, in ascending colon, with <ol style="list-style-type: none"> 1) size: 5.5x4.5cm 2) extension to pericolic fatty tissue 3) diffuse infiltrative growth 4) perineural and lymphovascular invasion 5) intact proximal and distal resection margins 6) no metastasis to pericolic fatty tissue (0/22) 2. Liver, wedge resection: metastatic adenocarcinoma, originated from colon, incompletely excised 3. Appendix: free from tumor exrtension. |

A201(III): Various cancer tissues

| No | Coordinat | Sex | Age | Keyword | Diagnosis |
|----|-----------|-----|-----|-------------------------------|--|
| 41 | G 9,10 | m | 43 | rectum: adenocarcinoma | <p>Rectum, urinary bladder, seminal vesicle, and ureter, lower anterior resection:</p> <ol style="list-style-type: none"> 1) rectum: adenocarcinoma, ulceroinfiltrative type with <ul style="list-style-type: none"> - extensive to perirectal fat tissue - very close to lateral margin(within 1mm) - marked desmoplastic reaction - no vascular permeation - marked reactive fibrosis of perirectal fat tissue - no invasion to bladder wall, ureter, or seminal vesicle 2) resection margins, proximal and distal: free of tumor 3) regional lymph node, principal(0/0), perirectal(3/10):(3/10): metastatic adenocarcinoma in 3 out of 10 nodes 4) urinary bladder:reactive fibroblastic proliferation in lamina propria. |
| 42 | G 11,12 | m | 46 | cecum: adenocarcinoma | <p>Cecum, ascending colon, terminal ileum and appendix, right hemicolectomy: ulcerofungating adenocarcinoma, moderately differentiated, in ascending colon with</p> <ol style="list-style-type: none"> 1) size: 5x4cm 2) expanding growth 3) invasion to pericolic soft tissue 4) vascular invasion 5) intact proximal (terminal ileum) and distal(colon) resection margins 6) metastasis to 2 out of 32 pericolic lymph nodes 7) a tubular adenoma with low grade dysplasia in the surrounding mucosa 8) terminal ileum: prominent peyer's patch 9) appendix: free from tumor extension. |
| 43 | H 1,2 | f | 71 | skin: squamous cell carcinoma | <p>Skin, cheek, excisional biopsy: squamous cell carcinoma, moderately differentiated, with extension to subcutaneous tissue, completely excised.</p> |
| 44 | H 3,4 | m | 67 | skin: squamous cell carcinoma | <p>Skin, right preauricular area, excision:</p> <ol style="list-style-type: none"> 1) squamous cell carcinoma, invasive, well differentiated 2) resection margin: free of tumor. |