

2017 年度 (2017.4-2018.3) 業績

学術論文

- 英文論文

Abe H, Saito R, Ichimura T, Iwasaki A, Yamazawa S, Shinozaki-Ushiku A, Morikawa T, Ushiku T, Yamashita H, Seto Y, Fukayama M. CD47 expression in Epstein-Barr virus-associated gastric carcinoma: coexistence with tumor immunity lowering the ratio of CD8+/Foxp3+ T-cells. *Virchows Arch*. 2018 in press

Akiyama Y, Maeda D, Morikawa T, Niimi A, Nomiya A, Yamada Y, Igawa Y, Goto A, Fukayama M, Homma Y. Digital quantitative analysis of mast cell infiltration in interstitial cystitis. *Neurourol Urodyn*. 2017. [Epub ahead of print] doi: 10.1002/nau.23365. PMID: 29065222.

Arakawa K, Hata K, Yamamoto Y, Nishikawa T, Tanaka T, Kiyomatsu T, Kawai K, Nozawa H, Yoshida M, Fukuhara H, Fujishiro M, Morikawa T, Yamasoba T, Koike K, Fukayama M, Watanabe T. Nine primary malignant neoplasms-involving the esophagus, stomach, colon, rectum, prostate, and external ear canal-without microsatellite instability: a case report. *BMC Cancer*. 2018;18(1):24. doi:10.1186/s12885-017-3973-2.

Anzai H, Nozawa H, Tanaka J, Yasuda K, Otani K, Nishikawa T, Tanaka T, Kiyomatsu T, Hata K, Kawai K, Ushiku T, Ishihara S, Takano T, Fukayama M, Watanabe T. Giant leiomyosarcoma of the rectum with lymph node metastasis: A case report and review of the literature. *Int J Surg Case Rep*. 2017;34:27-31. doi:10.1016/j.ijscr.2017.03.008. PMID: 28342361.

Choi WT, Brown I, Ushiku T, Yozu M, Setia N, Srivastava A, Johncilla M, Pai RK, Gill RM, Fukayama M, Misraji J, Lauwers GY. Gastric Pyloric Gland Adenoma: A Multicenter Clinicopathologic Study of 67 Cases. *Histopathology*. 2017. [Epub ahead of print] doi: 10.1111/his.13460. PMID: 29278427.

Emoto S, Kaneko M, Murono K, Sasaki K, Otani K, Nishikawa T, Tanaka T, Hata K, Kawai K, Imai H, Saito N, Kobayashi H, Tanaka S, Ikemura M, Ushiku T, Nozawa H. Surgical management for a huge presacral teratoma and a meningocele in an adult with Currarino triad: a case report. *Surg Case Rep*. 2018;4(1):9. doi: 10.1186/s40792-018-0419-2. PMID: 29352751.

Fujiwara N, Nakagawa H, Enooku K, Kudo Y, Hayata Y, Nakatsuka T, Tanaka Y, Tateishi R, Hikiba Y, Misumi K, Tanaka M, Hayashi A, Shibahara J, Fukayama M, Arita J, Hasegawa K, Hirschfield H, Hoshida Y, Hirata Y, Otsuka M, Tateishi K, Koike K. CPT2 downregulation adapts HCC to lipid-rich environment and promotes carcinogenesis via acylcarnitine accumulation in obesity. *Gut*. 2018 [Epub ahead of print] doi: 10.1136/gutjnl-2017-315193. PMID: 29437870.

Funata S, Matsusaka K, Yamanaka R, Yamamoto S, Okabe A, Fukuyo M, Aburatani H, Fukayama M, Kaneda A. Histone modification alteration coordinated with acquisition of promoter DNA methylation during Epstein-Barr virus infection. *Oncotarget*. 2017;8(33):55265-55279. doi: 10.18632/oncotarget.19423. PMID: 28903418.

Hana T, Tanaka S, Nakatomi H, Shojima M, Fukumoto S, Ikemura M, Saito N. Definitive surgical treatment of osteomalacia induced by skull base tumor and determination of the half-life of serum fibroblast growth factor 23. *Endocr. J.* 2017;64(10):1033-1039. doi: 10.1507/endocrj.EJ17-0177. PMID:28768937.

Inaki R, Abe M, Zong L, Abe T, Shinozaki-Ushiku A, Ushiku T, Hoshi K. Secretory carcinoma - impact of translocation and gene fusions on salivary gland tumor. *Chin J Cancer Res.* 2017;29(5):379-384. doi: 10.21147/j.issn.1000-9604.2017.05.01. PMID: 29142456.

Inui M, Nitadori JI, Tajima S, Yoshioka T, Hiyama N, Watadani T, Shinozaki-Ushiku A, Nagayama K, Anraku M, Sato M, Fukayama M, Nakajima J. Mediastinal seminoma associated with multilocular thymic cyst. *Surg Case Rep.* 2017;3(1):7. doi: 10.1186/s40792-016-0278-7. PMID:28054283.

Ishibashi Y, Ohtsu H, Ikemura M, Kikuchi Y, Niwa T, Nishioka K, Uchida Y, Miura H, Aikou S, Gunji T, Matsushashi N, Ohmoto Y, Sasaki T, Seto Y, Ogawa T, Tada K, Nomura S. Serum TFF1 and TFF3 but not TFF2 are higher in women with breast cancer than in women without breast cancer. *Sci Rep.* 2017;7(1):4846. doi: 10.1038/s41598-017-05129-y. PMID: 28687783.

Ishihara S, Kawai K, Tanaka T, Kiyomatsu T, Hata K, Nozawa H, Morikawa T, Watanabe T. Oncological Outcomes of Lateral Pelvic Lymph Node Metastasis in Rectal Cancer Treated

With Preoperative Chemoradiotherapy. *Dis Colon Rectum*. 2017;60(5):469-476. doi: 10.1097/DCR.0000000000000752. PMID: 28383446.

Iwashita T, Nakai Y, Mukai T, Togawa O, Matsubara S, Hatano Y, Hara A, Tanaka M, Shibahara J, Fukayama M, Isayama H, Yasuda I. A 19-Gauge Histology Needle Versus a 19-Gauge Standard Needle in Endoscopic Ultrasound-Guided Fine-Needle Aspiration for Solid Lesions: A Multicenter Randomized Comparison Study (GREATER Study). *Dig Dis Sci*. 2018 [Epub ahead of print] doi: 10.1007/s10620-018-4913-y. PMID: 29464585.

Kanai Y, Nishihara H, Miyagi Y, Tsuruyama T, Taguchi K, Katoh H, Takeuchi T, Gotoh M, Kuramoto J, Arai E, Ojima H, Shibuya A, Yoshida T, Akahane T, Kasajima R, Morita KI, Inazawa J, Sasaki T, Fukayama M, Oda Y. The Japanese Society of Pathology Guidelines on the handling of pathological tissue samples for genomic research: Standard operating procedures based on empirical analyses. *Pathol Int*. 2018 [Epub ahead of print] doi: 10.1111/pin.12631. PMID: 29431262.

Kaneko M, Kawai K, Muroto K, Nishikawa T, Sasaki K, Otani K, Yasuda K, Tanaka T, Kiyomatsu T, Hata K, Nozawa H, Ishihara S, Hayashi A, Shinozaki-Ushiku A, Fukayama M, Watanabe T. Giant gastrointestinal stromal tumor of the vermiform appendix: A case report. *Mol Clin Oncol*. 2017;7(3):399-403. doi:10.3892/mco.2017.1334. PMID: 28894578.

Kaneko MK, Yamada S, Nakamura T, Abe S, Nishioka Y, Kunita A, Fukayama M, Fujii Y, Ogasawara S, Kato Y. Antitumor activity of chLpMab-2, a human-mouse chimeric cancer-specific antihuman podoplanin antibody, via antibody-dependent cellular cytotoxicity. *Cancer Med*. 2017;6(4):768-777. doi: 10.1002/cam4.1049. PMID: 28332312.

Kaneko MK, Nakamura T, Kunita A, Fukayama M, Abe S, Nishioka Y, Yamada S, Yanaka M, Saidoh N, Yoshida K, Fujii Y, Ogasawara S, Kato Y. ChLpMab-23: Cancer-Specific Human-Mouse Chimeric Anti-Podoplanin Antibody Exhibits Antitumor Activity via Antibody-Dependent Cellular Cytotoxicity. *Monoclon Antib Immunodiagn Immunother*. 2017;36(3):104-112. doi: 10.1089/mab.2017.0014. PMID: 28504613.

Kaneko MK, Kunita A, Yamada S, Nakamura T, Yanaka M, Saidoh N, Chang YW, Handa S, Ogasawara S, Ohishi T, Abe S, Itai S, Harada H, Kawada M, Nishioka Y, Fukayama M, Kato Y. Antipodocalyxin Antibody chPcMab-47 Exerts Antitumor Activity in Mouse

Xenograft Models of Colorectal Adenocarcinomas. Monoclonal Antibody Immunodiagnosis and Immunotherapy. 2017;36(4):157-162. doi: 10.1089/mab.2017.0020. PMID: 28665782.

Karakawa A, Taoka K, Kaburaki T, Tanaka R, Shinozaki-Ushiku A, Hayashi H, Miyagi-Maeshima A, Nishimura Y, Uekusa T, Kojima Y, Fukayama M, Kurokawa M, Aihara M. Clinical features and outcomes of secondary intraocular lymphoma. Br J Haematol. 2017. [Epub ahead of print] doi: 10.1111/bjh.15005. PMID: 29143310.

Katoh H, Komura D, Konishi H, Suzuki R, Yamamoto A, Kakiuchi M, Sato R, Ushiku T, Yamamoto S, Tatsuno K, Oshima T, Nomura S, Seto Y, Fukayama M, Aburatani H, Ishikawa S. Immunogenetic Profiling for Gastric Cancers Identifies Sulfated Glycosaminoglycans as Major and Functional B Cell Antigens in Human Malignancies. Cell Rep. 2017;20(5):1073-1087. doi:10.1016/j.celrep.2017.07.016. PMID: 28768193.

Kawai K, Ishihara S, Nozawa H, Hata K, Kiyomatsu T, Morikawa T, Fukayama M, Watanabe T. Prediction of Pathological Complete Response Using Endoscopic Findings and Outcomes of Patients Who Underwent Watchful Waiting After Chemoradiotherapy for Rectal Cancer. Dis Colon Rectum. 2017;60(4):368-375. doi: 10.1097/DCR.0000000000000742. PMID: 28267003.

Kawazu M, Kojima S, Ueno T, Totoki Y, Nakamura H, Kunita A, Qu W, Yoshimura J, Soda M, Yasuda T, Hama N, Saito-Adachi M, Sato K, Kohsaka S, Sai E, Ikemura M, Yamamoto S, Ogawa T, Fukayama M, Tada K, Seto Y, Morishita S, Hazama S, Shibata T, Yamashita Y, Mano H. Integrative analysis of genomic alterations in triple-negative breast cancer in association with homologous recombination deficiency. PLoS Genet. 2017;13(6):e1006853. doi:10.1371/journal.pgen.1006853. PMID: 28636652.

Kishikawa J, Hata K, Kazama S, Anzai H, Shinagawa T, Murono K, Kaneko M, Sasaki K, Yasuda K, Otani K, Nishikawa T, Tanaka T, Kiyomatsu T, Kawai K, Nozawa H, Ishihara S, Morikawa T, Fukayama M, Watanabe T. Results of a 36-year surveillance program for ulcerative colitis-associated neoplasia in the Japanese population. Dig Endosc. 2017 [Epub ahead of print] doi: 10.1111/den.12955. PMID: 28836702.

Koyama Y, Morikawa T, Miyakawa J, Miyama Y, Nakagawa T, Homma Y, Fukayama M. Diagnostic utility of Ki-67 immunohistochemistry in small endoscopic biopsies of the ureter

and renal pelvis. *Pathol Res Pract*. 2017;213(7):737-741. doi:10.1016/j.prp.2017.04.009. PMID: 28554752.

Kunita A, Baeriswyl V, Meda C, Cabuy E, Takehita K, Giraudo E, Wicki A, Fukayama M, Christofori G. Inflammatory cytokines induce podoplanin expression at the tumor invasive front. *Am J Pathol*. 2018 [Epub ahead of print] doi: 10.1016/j.ajpath.2018.01.016. PMID: 29458011.

Kusano-Arai O, Iwanari H, Kudo S, Kikuchi C, Yui A, Akiba H, Matsusaka K, Kaneda A, Fukayama M, Tsumoto K, Hamakubo T. Synergistic Cytotoxic Effect on Gastric Cancer Cells of an Immunotoxin Cocktail in Which Antibodies Recognize Different Epitopes on CDH17. *Monoclon Antib Immunodiagn Immunother*. 2018;37(1):1-11. doi: 10.1089/mab.2017.0043. PMID: 29474162.

Maki H, Aoki T, Ishizawa T, Tanaka M, Sakatani T, Beck Y, Hasegawa K, Sakamoto Y, Kokudo N. Intraductal papillary neoplasm originating from an anomalous bile duct. *Clin J Gastroenterol*. 2017;10(2):174-178. doi: 10.1007/s12328-017-0721-8. PMID: 28213744.

Makise N, Yoshida A, Komiyama M, Nakatani F, Yonemori K, Kawai A, Fukayama M, Hiraoka N. Dedifferentiated Liposarcoma With Epithelioid/Epithelial Features. *Am J Surg Pathol*. 2017;41(11):1523-1531. doi: 10.1097/PAS.0000000000000910. PMID: 28719466.

Makise N, Sekimizu M, Kubo T, Wakai S, Watanabe SI, Kato T, Kinoshita T, Hiraoka N, Fukayama M, Kawai A, Ichikawa H, Yoshida A. Extraskelatal Osteosarcoma: MDM2 and H3K27me3 analysis of 19 cases suggest disease heterogeneity. *Histopathology*. 2018.[Epub ahead of print] doi: 10.1111/his.13506. PMID: 29489027.

Makise N, Sekimizu M, Kubo T, Wakai S, Hiraoka N, Komiyama M, Fukayama M, Kawai A, Ichikawa H, Yoshida A. Clarifying the Distinction Between Malignant Peripheral Nerve Sheath Tumor and Dedifferentiated Liposarcoma: A Critical Reappraisal of the Diagnostic Utility of MDM2 and H3K27me3 Status. *Am J Surg Pathol*. 2018. [Epub ahead of print] doi: 10.1097/PAS.0000000000001014. PMID: 29309298.

Manley BJ, Zabor EC, Casascelli J, Tennenbaum DM, Redzematovic A, Becerra MF, Benfante N, Sato Y, Morikawa T, Kume H, Fukayama M, Homma Y, Ogawa S, Arcila ME, Voss MH, Feldman DR, Coleman JA, Reuter VE, Motzer RJ, Russo P, Hsieh JJ, Hakimi

AA. Integration of Recurrent Somatic Mutations with Clinical Outcomes: A Pooled Analysis of 1049 Patients with Clear Cell Renal Cell Carcinoma. *Eur Urol Focus*. 2017;3(4-5):421-427. doi: 10.1016/j.euf.2016.06.015. PMID: 28753773.

Matsubara D, Soda M, Yoshimoto T, Amano Y, Sakuma Y, Yamato A, Ueno T, Kojima S, Shibano T, Hosono Y, Kawazu M, Yamashita Y, Endo S, Hagiwara K, Fukayama M, Takahashi T, Mano H, Niki T. Inactivating mutations and hypermethylation of the NKX2-1/TTF-1 gene in non-terminal respiratory unit-type lung adenocarcinomas. *Cancer Sci*. 2017;108(9):1888-1896. doi: 10.1111/cas.13313. PMID: 28677170.

Matsuda K, Toyama K, Toya T, Ikemura M, Nakamura F, Kurokawa M Reactivation of hemopagocytic lymphohistiocytosis triggered by antithymocyte globulin. *Inten Med*. 2018;57(4):583-586. doi: 10.2169/internalmedicine.9226-17. PMID:29225252

Matsusaka K, Funata S, Fukuyo M, Seto Y, Aburatani H, Fukayama M, Kaneda A. Epstein-Barr virus infection induces genome-wide de novo DNA methylation in non-neoplastic gastric epithelial cells. *J Pathol*. 2017;242(4):391-399. doi:10.1002/path.4909. PMID: 28418084.

Matsuki R, Okuda K, Mitani A, Yamauchi Y, Tanaka G, Kume H, Homma Y, Hinata M, Hayashi A, Shibahara J, Fukayama M, Nagase T. A case of delayed exacerbation of interstitial lung disease after discontinuation of temsirolimus. *Respir Med Case Rep*. 2017;22:158-163. doi: 10.1016/j.rmcr.2017.08.008. PMID: 28840097.

Mine S, Hishima T, Suganuma A, Fukumoto H, Sato Y, Kataoka M, Sekizuka T, Kuroda M, Suzuki T, Hasegawa H, Fukayama M, Katano H. Interleukin-6-dependent growth in a newly established plasmablastic lymphoma cell line and its therapeutic targets. *Sci Rep*. 2017;7(1):10188. doi:10.1038/s41598-017-10684-5. PMID: 28860565.

Misumi K, Hayashi A, Shibahara J, Arita J, Sakamoto Y, Hasegawa K, Kokudo N, Fukayama M. Intrahepatic cholangiocarcinoma frequently shows loss of BAP1 and PBRM1 expression, and demonstrates specific clinicopathological and genetic characteristics with BAP1 loss. *Histopathology*. 2017;70(5):766-774. doi:10.1111/his.13127. PMID: 27864835.

Miyakawa J, Morikawa T, Miyama Y, Nakagawa T, Kawai T, Homma Y, Fukayama M. Loss of Stromal Antigen 2 (STAG2) Expression in Upper Urinary Tract Carcinoma: Differential

Prognostic Effect According to the Ki-67 Proliferating Index. *Ann Surg Oncol*. 2017;24(13):4059-4066. doi: 10.1245/s10434-017-6097-7. PMID: 28967037.

Miyata Y, Ishizawa T, Kamiya M, Yamashita S, Hasegawa K, Ushiku A, Shibahara J, Fukayama M, Urano Y, Kokudo N. Intraoperative imaging of hepatic cancers using γ -glutamyltranspeptidase-specific fluorophore enabling real-time identification and estimation of recurrence. *Sci Rep*. 2017;7(1):3542. doi:10.1038/s41598-017-03760-3. PMID: 28615696.

Mizuno H, Koya J, Fujioka Y, Ibaraki T, Nakamura F, Hayashi A, Shinozaki-Ushiku A, Akamatsu N, Hasegawa K, Kokudo N, Fukuyama M, Kurokawa M. Extranodal NK/T cell lymphoma in a living donor liver transplant recipient. *Ann Hematol*. 2017;96(6):1051-1052. doi: 10.1007/s00277-017-2969-y. PMID: 28280996

Mizutani H, Ono S, Ushiku T, Kudo Y, Ikemura M, Kageyama N, Yamamichi N, Fujishiro M, Someya T, Fukayama M, Koike K, Onodera H. Transparency-enhancing technology allows three-dimensional assessment of gastrointestinal mucosa: A porcine model. *Pathol Int*. 2018;68(2):102-108. doi: 10.1111/pin.12627. PMID: 29341375.

Murono K, Ishihara S, Kawai K, Kaneko M, Sasaki K, Yasuda K, Otani K, Nishikawa T, Tanaka T, Kiyomatsu T, Hata K, Nozawa H, Hayashi A, Ushiku T, Fukayama M, Watanabe T. Non-occlusive mesenteric ischemia localized in the transverse colon: a case report. *Surg Case Rep*. 2017;3(1):23. doi:10.1186/s40792-017-0299-x. PMID: 28188511.

Nakano T, Kanai Y, Amano Y, Yoshimoto T, Matsubara D, Shibano T, Tamura T, Oguni S, Katashiba S, Ito T, Murakami Y, Fukayama M, Murakami T, Endo S, Niki T. Establishment of highly metastatic KRAS mutant lung cancer cell sublines in long-term three-dimensional low attachment cultures. *PLoS One*. 2017;12(8):e0181342. doi: 10.1371/journal.pone.0181342. PMID: 28786996.

Nakaoka HJ, Tanei Z, Hara T, Weng JS, Kanamori A, Hayashi T, Sato H, Orimo A, Otsuji K, Tada K, Morikawa T, Sasaki T, Fukayama M, Seiki M, Murakami Y, Sakamoto T. Mint3-mediated L1CAM expression in fibroblasts promotes cancer cell proliferation via integrin $\alpha 5 \beta 1$ and tumour growth. *Oncogenesis*. 2017;6(5):e334. doi: 10.1038/oncsis.2017.27.10.1016/j.ijscr.2017.03.008. PMID: 28504692.

Niikura R, Hayakawa Y, Hirata Y, Konishi M, Suzuki N, Ihara S, Yamada A, Ushiku T, Fujishiro M, Fukayama M, Koike K. Distinct chemopreventive effects of aspirin in diffuse and intestinal-type gastric cancer. *Cancer Prev Res (Phila)*. 2018 [Epub ahead of print] doi: 10.1158/1940-6207.CAPR-17-0276. PMID: 29453233.

Nishioka Y, Shindoh J, Yoshioka R, Gonoi W, Abe H, Okura N, Yoshida S, Sakamoto Y, Hasegawa K, Fukayama M, Kokudo N. Clinical Impact of Preoperative Chemotherapy on Microscopic Cancer Spread Surrounding Colorectal Liver Metastases. *Ann Surg Oncol*. 2017;24(8):2326-2333. doi:10.1245/s10434-017-5845-z. PMID: 28349338.

Okabe A, Funata S, Matsusaka K, Namba H, Fukuyo M, Rahmutulla B, Oshima M, Iwama A, Fukayama M, Kaneda A. Regulation of tumour related genes by dynamic epigenetic alteration at enhancer regions in gastric epithelial cells infected by Epstein-Barr virus. *Sci Rep*. 2017;7(1):7924. doi:10.1038/s41598-017-08370-7. PMID: 28801683.

Oki S, Sone K, Oda K, Hamamoto R, Ikemura M, Maeda D, Takeuchi M, Tanikawa M, Mori-Uchino M, Nagasaka K, Miyasaka A, Kashiyama T, Ikeda Y, Arimoto T, Kuramoto H, Wada-Hiraike O, Kawana K, Fukayama M, Osuga Y, Fujii T. Oncogenic histone methyltransferase EZH2: A novel prognostic marker with therapeutic potential in endometrial cancer. *Oncotarget*. 2017;8(25):40402-40411. doi:10.18632/oncotarget.16316. PMID: 28418882.

Okuno T, Kawai K, Koyama K, Takahashi M, Ishihara S, Momose T, Morikawa T, Fukayama M, Watanabe T. Value of FDG-PET/CT Volumetry After Chemoradiotherapy in Rectal Cancer. *Dis Colon Rectum*. 2018;61(3):320-327. doi:10.1097/DCR.0000000000000959. PMID: 29360680.

Omori K, Morikawa T, Kunita A, Nakamura T, Aritake K, Urade Y, Fukayama M, Murata T. Lipocalin-type prostaglandin D synthase-derived PGD(2) attenuates malignant properties of tumor endothelial cells. *J Pathol*. 2018;244(1):84-96. doi: 10.1002/path.4993. PMID: 29124765.

Sakuramachi M, Igaki H, Ikemura M, Yamashita H, Okuma K, Sekiya N, Hayakawa Y, Sakumi A, Takahashi W, Hasegawa H, Fukayama M, Nakagawa K. Detection of residual metastatic tumor in the brain following Gamma Knife radiosurgery using a single or a series

of magnetic resonance imaging scans: An autopsy study. *Oncol Lett.* 2017;14(2):2033-2040. doi: 10.3892/ol.2017.6359. PMID: 28789434.

Sasaki K, Ishihara S, Hata K, Kiyomatsu T, Nozawa H, Kawai K, Tanaka T, Nishikawa T, Otani K, Yasuda K, Kaneko M, Murono K, Abe H, Morikawa T, Watanabe T. Radiation-associated colon cancer: A case report. *Mol Clin Oncol* 2017;6(6):817-820. doi: 10.3892/mco.2017.1252. PMID: 28588770.

Shinagawa T, Hata K, Morikawa T, Takiyama H, Otani K, Nishikawa T, Tanaka T, Kiyomatsu T, Kawai K, Nozawa H, Ishihara S, Nakamura H, Fukayama M, Watanabe T. Protrusion on the Depressed Surface of Non-polypoid T1 Colorectal Cancer Is Associated with Venous Invasion. *Anticancer Res.* 2018;38(2):993-1002. doi: 10.21873/anticancerres.12314. PMID: 29374732.

Shinozaki-Ushiku A, Ushiku T, Morita S, Anraku M, Nakajima J, Fukayama M. Diagnostic utility of BAP1 and EZH2 expression in malignant mesothelioma. *Histopathology.* 2017;70(5):722-733. doi: 10.1111/his.13123. PMID: 27859460.

Shintani-Domoto Y, Hayasaka T, Maeda D, Masaki N, Ito TK, Sakuma K, Tanaka M, Kabashima K, Takei S, Setou M, Fukayama M. Different desmin peptides are distinctly deposited in cytoplasmic aggregations and cytoplasm of desmin-related cardiomyopathy patients. *Biochim Biophys Acta.* 2017;1865(7):828-836. doi:10.1016/j.bbapap.2017.03.006. PMID: 28341603.

Shintani-Domoto Y, Shinozaki-Ushiku A, Okuma H, Kurokawa M, Fukayama M. Laminar crystal deposition in large vessels in a patient with crystalglobulinemia. *Pathol Int.* 2017;67(5):269-272. doi: 10.1111/pin.12526. PMID: 28371144.

Shirota G, Gono W, Ikemura M, Ishida M, Shintani Y, Abe H, Fukayama M, Higashida T, Okuma H, Abe O. The pseudo-SAH sign: an imaging pitfall in postmortem computed tomography. *Int J Legal Med.* 2017;131(6):1647-1653. doi: 10.1007/s00414-017-1651-1. PMID: 28730501.

Shiratori H, Nishikawa T, Shintani Y, Murono K, Sasaki K, Yasuda K, Otani K, Tanaka T, Kiyomatsu T, Hata K, Kawai K, Nozawa H, Ishihara S, Fukayama M, Watanabe T.

Perforation of jejunal diverticulum with ectopic pancreas. *Clin J Gastroenterol.* 2017;10(2):137-141. doi: 10.1007/s12328-017-0712-9. PMID: 28102481.

Sone D, Ikemura M, Saito Y, Taniguchi G, Kunii N. Marked accumulation of oligodendroglia-like cells in temporal lobe epilepsy with amygdala enlargement and hippocampal sclerosis. *Neuropathology* 2017. doi: 10.1111/neup.12410. PMID:28841245.

Sonoda H, Kawai K, Yamaguchi H, Muroto K, Kaneko M, Nishikawa T, Otani K, Sasaki K, Yasuda K, Tanaka T, Kiyomatsu T, Hata K, Nozawa H, Ishihara S, Aikou S, Yamashita H, Ushiku T, Seto Y, Fukayama M, Watanabe T. Lymphogenous metastasis to the transverse colon that originated from signet-ring cell gastric cancer: A case report and review of the literature. *Clin Res Hepatol Gastroenterol.* 2017;41(6):e81-e86. doi: 10.1016/j.clinre.2017.04.002. PMID: 28526245.

Suzuki Y, Koya J, Ebisawa K, Abe H, Shinozaki-Ushiku A, Nakamura F, Kurokawa M. Sequential development of monoclonal B cell lymphocytosis-derived small lymphocytic lymphoma and plasma cell leukemia. *Ann Hematol.* 2018. [Epub ahead of print] doi: 10.1007/s00277-018-3248-2. PMID: 29417202.

Tabata K, Mori I, Sasaki T, Itoh T, Shiraishi T, Yoshimi N, Maeda I, Harada O, Taniyama K, Taniyama D, Watanabe M, Mikami Y, Sato S, Kashima Y, Fujimura S, Fukuoka J. Whole-slide imaging at primary pathological diagnosis: Validation of whole-slide imaging-based primary pathological diagnosis at twelve Japanese academic institutes. *Pathol Int.* 2017;67(11):547-554. doi: 10.1111/pin.12590. PMID: 28980740.

Takumida H, Yakabe M, Mori H, Shibasaki K, Umeda-Kameyama Y, Urano T, Mano T, Hayashi A, Ikemura M, Ogawa S, Akishita M. Case of a 78-year-old woman with a neuronal intranuclear inclusion disease. *Geriatr Gerontol Int.* 2017;17(12):2623-2625. doi: 10.1111/ggi.13174. PMID:29265760.

Tanaka M, Ishikawa S, Ushiku T, Morikawa T, Isagawa T, Yamagishi M, Yamamoto H, Katoh H, Takeshita K, Arita J, Sakamoto Y, Hasegawa K, Kokudo N, Fukayama M. EVI1 modulates oncogenic role of GPC1 in pancreatic carcinogenesis. *Oncotarget.* 2017;8(59):99552-99566. doi: 10.18632/oncotarget.20601. eCollection 2017. PMID: 29245923.

Terada Y, Sato M, Abe H, Kuwano H, Nagayama K, Nitadori JI, Anraku M, Nakajima J. Squamous cell carcinoma of the lung showing a ground glass nodule on high-resolution computed tomography associated with pneumoconiosis: a case report. *Surg Case Rep*. 2017;3(1):107. doi: 10.1186/s40792-017-0384-1. PMID: 28963659.

Tsukui D, Kanda H, Shinozaki-Ushiku A, Tateishi S, Takeshima Y, Nagafuchi Y, Sasaki O, Iwasaki Y, Harada H, Shibuya M, Sumitomo S, Shoda H, Kubo K, Fujio K, Nakamura F, Kurokawa M, Fukayama M, Yamamoto K. Polymorphic lymphoproliferative disorders in patients with rheumatoid arthritis are associated with a better clinical outcome. *Mod Rheumatol*. 2017;23:1-5. doi:10.1080/14397595.2017.1387223. PMID: 29057700.

Yamamoto M, Akamatsu N, Hayashi A, Togashi J, Sakamoto Y, Tamura S, Hasegawa K, Fukayama M, Makuuchi M, Kokudo N. Safety and efficacy of venous reconstruction in liver resection using cryopreserved homologous veins. *J Hepatobiliary Pancreat Sci*. 2017;24(9):511-519. doi: 10.1002/jhbp.488. PMID:28660678.

Yamazawa S, Ushiku T, Shinozaki-Ushiku A, Hayashi A, Iwasaki A, Abe H, Tagashira A, Yamashita H, Seto Y, Aburatani H, Fukayama M. Gastric Cancer With Primitive Enterocyte Phenotype: An Aggressive Subgroup of Intestinal-type Adenocarcinoma. *Am J Surg Pathol*. 2017;41(7):989-997. doi:10.1097/PAS.0000000000000869. PMID: 28505005.

Yasaka K, Akai H, Nojima M, Shinozaki-Ushiku A, Fukayama M, Nakajima J, Ohtomo K, Kiryu S. Quantitative computed tomography texture analysis for estimating histological subtypes of thymic epithelial tumors. *Eur J Radiol*. 2017;92:84-92. doi: 10.1016/j.ejrad.2017.04.017. PMID:28624025.

Yoshida A, Makise N, Wakai S, Kawai A, Hiraoka N. INSM1 expression and its diagnostic significance in extraskeletal myxoid chondrosarcoma. *Mod Pathol*. 2018 [Epub ahead of print] doi: 10.1038/modpathol.2017.189. PMID: 29327709.

Yoshida Y, Nitadori JI, Shinozaki-Ushiku A, Sato J, Miyaji T, Yamaguchi T, Fukayama M, Nakajima J. Micropapillary histological subtype in lung adenocarcinoma of 2 cm or less: impact on recurrence and clinical predictors. *Gen Thorac Cardiovasc Surg*. 2017;65(5):273-279. doi: 10.1007/s11748-017-0747-3. PMID: 28243892.

Yoshimoto T, Motoi N, Yamamoto N, Nagano H, Ushijima M, Matsuura M, Okumura S, Yamaguchi T, Fukayama M, Ishikawa Y. Pulmonary Carcinoids and Low-Grade Gastrointestinal Neuroendocrine Tumors Show Common MicroRNA Expression Profiles, Different from Adenocarcinomas and Small Cell Carcinomas. *Neuroendocrinology*. 2018;106(1):47-57. doi: 10.1159/000461582. PMID:28208131.

- **和文論文**

高本大路, 春日純, 河原崇司, 佐々木毅, 湯村寧, 上村博司

陰茎癌病理組織における HPV(human papillomavirus)感染関連細胞の臨床的検討

日本性感染症学会誌 2017;28(1):67-72.

日向 宗利, 池村 雅子, 阿部 浩幸, 田中 麻理子, 牧 宏彰, 黒川 峰夫, 中島 淳, 深山 正久

肺に多発嚢胞を形成した AL 型アミロイドーシスの 1 例

診断病理 2017; 34(3):184-8

総説・著書

- **和文**

牛久哲男, 山澤翔, 深山正久 「胚細胞腫瘍に類似した体細胞腫瘍の組織発生と分化」病理と臨床 2017;35(12):1126-1132.

佐々木毅 「日本病理学会 JP-AID と病理診断人工知能開発」病理と臨床 2017;35(11):1058-1061.

牛久哲男 「病理診断に直結した組織学・食道」病理と臨床 2017;35(臨時増刊号):179-188.

牛久綾, 深山正久 「病理診断に直結した組織学・肺」病理と臨床 2017;35(臨時増刊号):136-150.

牛久哲男 「十二指腸疾患の病理による鑑別診断、他「十二指腸内視鏡 ATLAS」藤城光弘, 山本頼正, 遠藤昌樹, 角嶋直美, 牛久哲男 (編集)」日本メディカルセンター 2017:58-66.

牛久綾, 牛久哲男 「EB ウイルス関連胃癌」消化器・肝臓内科 2017;2(1):49-54.

牛久綾, 牛久哲男 「EB ウイルス関連胃癌と *H.pylori*」臨床消化器内科 2017;32(11):1497-1502.

佐々木毅 「病理組織を用いたコンパニオン診断 2017 最前線 ROS1 遺伝子、PD-L1 遺伝子、RAS 遺伝子、BRAF 遺伝子」医学のあゆみ 2017;263(13):1005-1010.

堂本裕加子 「1) 尿細管の萎縮」腎と透析 2017(増刊号)254-258.

学会発表

●国際学会

The 11th Korea-Japan Gastrointestinal Pathology Seminar

March 24, 2018 Busan (Korea)

Oral presentation

Abe H

PD-L1 expression and amplification in EBV-associated gastric carcinomas.

The United States and Canadian Academy of Pathology (USCAP) 107th Annual Meeting

March 17-23, 2018 Vancouver, BC

Poster presentation

Atsuko Hosoi, Yutaka Takazawa, Yuichi Ishikawa

Genomic characterization of uterine low-grade endometrioid adenocarcinoma with MELF pattern

Belfast Pathology 2017 (10th Joint Meeting of the British Division of the International Academy of Pathology and the Pathological Society of Great Britain & Ireland)

Jun 20-23, 2017, Belfast, UK

Oral presentation

Aya Shinozaki-Ushiku

Epstein-Barr virus-associated gastric carcinoma -The roles of cellular and viral microRNAs in its carcinogenesis-

Oral presentation

Tetsuo Ushiku, Sho Yamazawa, Aya Shinozaki-Ushiku, Masashi Fukayama

Gastric cancer with primitive enterocyte phenotype: an aggressive subgroup of intestinal-type adenocarcinoma

● 国内学会, 研究会

<教室に関連した主たる学会>

第 106 回日本病理学会 2017/4/27-4/30 東京

口演

阿部浩幸, 西東瑠璃, 山澤翔, 牛久綾, 山下裕玄, 瀬戸泰之, 深山正久

胃癌における CD47 発現の臨床病理学的特徴及び EBV 感染や T リンパ球浸潤との関連

岩崎晶子, 牛久哲男, 山澤翔, 阿部浩幸, 牛久綾, 深山正久

ミスマッチ修復欠損・EBV 関連早期胃癌では ARID1A の多巣性発現消失が高頻度に生じている

牛久哲男

臓器別診断講習会・Cronkhite-Canada 症候群と鑑別診断の病理所見

浦辺雅之, 牛久哲男, 山下裕玄, 瀬戸泰之, 深山正久

治療標的探索のためのがん 間質細胞間相互作用解析システム

Siewert 分類に基づく食道胃接合部癌の背景粘膜評価

加藤洋人, 河村大輔, 小西寛城, 山本麻未, 深山正久, 石川俊平

ヒト胃がんにおける腫瘍浸潤性 T 細胞の免疫遺伝学的な特徴の分析

河村大輔, 砂河孝行, 鈴木良平, 佐藤玲子, 加藤洋人, 田中麻理子, 山本尚吾, 深山正久, 油谷浩幸, 石川俊平

治療標的探索のためのがん 間質細胞間相互作用解析システム

西東瑠璃, 阿部浩幸, 国田朱子, 山下裕玄, 瀬戸泰之, 深山正久

NLRP3 の細胞遊走促進とびまん型胃癌での予後への影響

田中麻理子, 石川俊平, 有田淳一, 阪本良弘, 長谷川潔, 深山正久

EVI1 は膀胱がんにおいて GPC1 の がん促進機能を修飾する

前田 地, 後藤啓介, 工藤幸紹, 日比谷孝志, 林玲匡, 深山正久, 大橋健一, 後藤明輝

乳頭状汗腺腫における PIK3CA 遺伝子変異と AKT1 遺伝子変異

松坂恵介, 眞野恭伸, 福世真樹, 浦辺雅之, 阿部浩幸, バハテヤリ・ラムヒトラ, 油谷 浩幸, 瀬戸泰之, 深山正久, 金田篤志

高 DNA メチル化胃癌における特異的ゲノム・エピゲノム異常の同定

牧瀬尚大, 若井進, 川井章, 深山正久, 平岡伸介, 吉田朗彦

類上皮形態ないし上皮への異所性分化を示す脱分化型脂肪肉腫 5 例の臨床病理学的検討

三角健人, 林玲匡, 國土典宏, 柴原純二, 深山正久

肝内胆管癌における BAP1 および PBRM1 の発現消失

山澤翔, 牛久哲男, 岩崎晶子, 牛久綾, 瀬戸泰之, 深山正久

胎児型形質を有する胃癌の臨床病理学的検討

示説

種井善一, 中岡寛樹, 尾辻和尊, 多田敬一郎, 森川鉄平, 佐々木毅, 坂本毅治, 村上善則, 深山正久

乳癌間質中の線維芽細胞における低酸素応答活性化因子 Mint3 および L1CAM の発現

箱崎真結, 伊藤慎治, 福里利夫, 藤井丈士

血管肉腫様変化を伴う混合型肝癌と全身転移性微小肺腺癌が合併した 1 剖検例

日向宗利, 阿部浩幸, 山下裕玄, 瀬戸泰之, 深山正久

EBV 関連胃癌における樹状細胞の免疫組織化学的検討

細井敦子, 高澤豊, 石川雄一

子宮体癌、低異型度類内膜腺癌の浸潤形態と予後、再発の関

山内直子, 田中麻理子, 深山正久

剖検症例の膵臓病変に関する臨床病理学的検討

第 76 回日本癌学会 2017/9/28-30 横浜

口演

松坂恵介, 眞野恭伸, 福世真樹, 浦辺雅之, 油谷浩幸, 深山正久, 瀬戸泰之, 金田篤志

高メチル化胃癌における特異的なゲノム・エピゲノム変異の同定

鈴木章浩, 垣内美和子, 田頭周, 加藤洋人, 山本尚吾, 辰野健二, 酒井英嗣, 大島貴, 利野靖, 中島淳, 深山正久, 石川俊平, 油谷浩幸

日本人胃癌ゲノミックプロファイル

張耀文, 国田朱子, 金子美華, 板井俊介, 山田慎二, 大石智一, 阿部真治, 西岡安彦, 川田学, 深山正久, 加藤幸成

ポドカリキシンを標的としたヒトキメラ型抗体chPcMab-47によるヒト大腸がん移植片モデルでの抗腫瘍効果の検討

山田慎二, 金子美華, 国田朱子, 大石智一, 阿部真治, 張耀文, 板井俊介, 川田学, 深山正久, 西岡安彦, 加藤幸成

がん特異的podocalyxinを認識するヒトキメラ改変モノクローナル抗体(chPcMab-6)の抗腫瘍効果および安全性

示説

板井俊介, 山田慎二, 金子美華, 張耀文, 国田朱子, 深山正久, 原田浩之, 加藤幸成

口腔がんに対する免疫染色に有用な抗ポドカリキシン抗体PcMab-47の樹立

加藤洋人, 河村大輔, 鈴木良平, 小西寛城, 山本麻未, 深山正久, 油谷浩幸, 石川俊平

抗原受容体次世代シーケンスに基づく腫瘍免疫システムの解析(英語)

国田朱子, 日向宗利, 阿部浩幸, 深山正久

EBV関連胃癌由来エクソソームの腫瘍微小環境への影響

田頭周, 谷内田真一, 垣内美和子, 六反啓文, 林玲匡, 辰野健二, 山本尚吾, 永江玄太, 牛久哲夫, 深山正久, 油谷浩幸

胎児性或いは肝様分化を示すAFP産生胃癌及び未分化型胃癌のゲノム解析

吉川修平, 鈴木章浩, 山本尚吾, 辰野健二, 永江玄太, 阿部浩幸, 牛久哲男, 深山正久, 高阪真路, 間野博行, 油谷浩幸

胃癌のTarget deep sequencing

第 63 回日本病理学会秋期特別総会 2017/11/2-11/3 東京

学術研究賞演説 (A 演説)

牛久哲男

ゲノム医療時代の胃癌病理学研究 基礎研究成果を生かし個別化医療の実現を目指す

<病理学会関東支部学術集会>

第 78 回日本病理学会関東支部学術集会 2018/3/10 埼玉

口演

近藤篤史, 阿部浩幸, 池村雅子, 小野敏嗣, 藤城光弘, 牛久哲男, 小池和彦, 深山正久
多彩な分化を示す胃形形質の胃腺癌の一例

第 77 回日本病理学会関東支部学術集会 2017/12/9 東京

口演

市村香代子, 日向宗利, 中釜悠, 竹原広基, 犬塚亮, 深山正久

重症肥大型心筋症で早期死亡した Noonan syndrome with multiple lentiginos の一剖検例

第 75 回日本病理学会関東支部学術集会 2017/6/17 東京

口演

村田翔平, 阿部浩幸, 林玲匡, 山下俊, 金子順一, 長谷川潔, 深山正久

肝に多発した血管筋脂肪腫の一例

<その他の学会, 学術的活動>

第 90 回日本胃癌学会総会 2018/3/7-3/9 横浜

口演

Tetsuo Ushiku

Moving towards gastric cancer subtyping for precision medicine: molecular classification and beyond

Masayuki Urabe, Tetsuo Ushiku, Hiroharu Yamashita, Mitsuhiro Fujishiro, Kazuhiko Koike, Yasuyuki Seto, Masashi Fukayama

PD-L1 expression pattern in adenocarcinoma of esophagogastric junction

第 52 回日本成人病（生活習慣病）学会学術集会 2018/1/13-1/14 東京

口演

浦辺雅之, 生久哲男, 山下裕玄, 瀬戸泰之, 深山正久

食道胃接合部腺癌における PD-L1 発現

第 40 回日本分子生物学会年会 2017/12/6-12/9 神戸 示説

国田朱子, 大井手慶, 阿部浩幸, 深山正久

EB ウイルス関連胃癌における BRD4 による PD-L1 の発現制御

第 21 回日本臨床内分泌病理学会 2017/10/27-10/28 東京

示説

星大輔, 高橋寿枝, 布袋屋修, 井下尚子

A 型胃炎を背景とした胃神経内分泌腫瘍(NET)1 例と、14 例の胃内分泌腫瘍の検討

安永瑛一, 井下尚子, 向山祐理, 滝沢文彦, 小川敦, 小川哲史, 伊藤純子, 永田雄一, 福原紀章, 岡田満夫, 西岡宏, 山田正三

多数の歯牙成分を含み、歯牙腫と類似した組織像を呈するトルコ鞍部腫瘍の一例

第 14 回 EB ウイルス研究会 2017/7/15 旭川

口演

国田朱子, 日向宗利, 阿部浩幸, 深山正久

EBV 関連胃癌由来エクソソームによる樹状細胞の機能制御

第 4 回岩手胃と腸大会 2017/6/10 盛岡

深山正久

胃癌分子サブタイプを考えるーEBV 関連胃癌を中心に

第 12 回山口県消化管セミナー 2017/9/1 山口

深山正久

個別化医療のための胃癌サブタイプ

<その他講演など>

杏林シンポジア ラジオ NIKKEI 2017/4/3 放送

深山正久.

杏林シンポジア「新しい日本のがん対策ー予防・根治・共生に向けて」分子病理診断への取り組みと展開.

NPO 法人「がんの早期診断・治療に必要な病理診断の総合力を向上させる会」2017/6/29 東京

深山正久

若き知性に向き合うー病理学会の変革