

消化器内科学講座

○主な研究内容

- 1 消化器疾患の病態解明とその臨床応用
- 2 消化管病変の画像強調内視鏡診断と遺伝子診断の開発
- 3 消化器癌の個別化医療とバイオマーカーの開発
- 4 炎症性腸疾患の再生医療と免疫治療の開発
- 5 肝胆膵領域における新しい画像診断と遺伝子診断の開発
- 6 膵癌に対するがんワクチン療法の開発
- 7 臨床検体を用いたゲノム・エピゲノム解析とその臨床応用
- 8 がんの分子標的治療の開発
- 9 免疫疾患における新しい治療法の開発

○Pub Med 掲載論文 (2018 年)

1. Influence of pharmaceutical formulation on the mucosal concentration of 5-aminosalicylic acid and N-acetylmethylsalicylic acid in Japanese patients with ulcerative colitis.

Yamamoto Y, Masuda S, Nakase H, Matsuura M, Maruyama S, Hisamatsu T, Suzuki Y, Matsubara K.

Biol Pharm Bull. 2018 Oct 24. doi: 10.1248/bpb.b18-00561. [Epub ahead of print]
PMID: 30369547 Free Article

2. OPeNing the Epithelial Barrier: Osteopontin Preserves Gut Barrier Function During Intestinal Inflammation.

Nakase H.

Dig Dis Sci. 2018 Oct 27. doi: 10.1007/s10620-018-5350-7. [Epub ahead of print] No abstract available.
PMID: 30368682

3. Interleukin 5-producing ST2+ memory Th2 cells in IgG4-related dacryoadenitis and sialadenitis.

Yamamoto M, Takano KI, Kamekura R, Aochi S, Suzuki C, Ichimiya S, Nakase H, Himi T, Takahashi H.

Mod Rheumatol. 2018 Oct 25:1-5. doi: 10.1080/14397595.2018.1526357. [Epub ahead of print]
PMID: 30354922

4. Usefulness of fecal calprotectin by monoclonal antibody testing in adult Japanese with inflammatory bowel diseases: a prospective multicenter study.

Nakamura S, Imaeda H, Nishikawa H, Iimuro M, Matsuura M, Oka H, Oku J, Miyazaki T, Honda H, Watanabe K, Nakase H, Andoh A.

Intest Res. 2018 Oct;16(4):554-562. doi: 10.5217/ir.2018.00027. Epub 2018 Oct 10.
PMID: 30301337 Free PMC Article

5. Chronic intestinal pseudo-obstruction due to al amyloidosis: a case report and literature review.

Iida T, Hirayama D, Sudo G, Mitsuhashi K, Igarashi H, Yamashita K, Yamano H, Nakase H. Clin J Gastroenterol. 2018 Sep 19. doi: 10.1007/s12328-018-0909-6. [Epub ahead of print] PMID: 30232705

6. Brunner's Gland Hamartoma Arising From the Pyloric Ring.

Sudo G, Kobayashi T, Nakase H. Clin Gastroenterol Hepatol. 2018 Sep 7. pii: S1542-3565(18)30955-8. doi: 10.1016/j.cgh.2018.08.076. [Epub ahead of print] No abstract available. PMID: 30196162

7. DOT1L inhibition blocks multiple myeloma cell proliferation by suppressing IRF4-MYC signaling.

Ishiguro K, Kitajima H, Niinuma T, Ishida T, Maruyama R, Ikeda H, Hayashi T, Sasaki H, Wakasugi H, Nishiyama K, Shindo T, Yamamoto E, Kai M, Sasaki Y, Tokino T, Nakase H, Suzuki H. Haematologica. 2018 Aug 31. pii: haematol.2018.191262. doi: 10.3324/haematol.2018.191262. [Epub ahead of print] PMID: 30171029 Free Article

8. Gastric Hamartomatous Inverted Polyp Causing Ball Valve Syndrome.

Sudo G, Tanuma T, Nakase H. Clin Gastroenterol Hepatol. 2018 Aug 9. pii: S1542-3565(18)30821-8. doi: 10.1016/j.cgh.2018.08.012. [Epub ahead of print] No abstract available. PMID: 30099102

9. Effect of elemental diet combined with infliximab dose escalation in patients with Crohn's disease with loss of response to infliximab: CERISIER trial.

Hisamatsu T, Kunisaki R, Nakamura S, Tsujikawa T, Hirai F, Nakase H, Watanabe K, Yokoyama K, Nagahori M, Kanai T, Naganuma M, Michimae H, Andoh A, Yamada A, Yokoyama T, Kamata N, Tanaka S, Suzuki Y, Hibi T, Watanabe M; CERISIER Trial group. Intest Res. 2018 Jul;16(3):494-498. doi: 10.5217/ir.2018.16.3.494. Epub 2018 Jul 27. No abstract available. PMID: 30090050 Free PMC Article

10. Pedunculated Upper Esophageal Adenocarcinoma in Lynch Syndrome.

Sasaki H, Yamashita K, Nakase H. Clin Gastroenterol Hepatol. 2018 Aug 4. pii: S1542-3565(18)30617-7. doi: 10.1016/j.cgh.2018.06.008. [Epub ahead of print] No abstract available. PMID: 30086273

11. Clinicopathological comparison between acute gastrointestinal-graft-versus-host disease and infectious colitis in patients after hematopoietic stem cell

transplantation.

Ohwada S, Iida T, Hirayama D, Sudo G, Kubo T, Nojima M, Yamashita K, Yamano H, Nakase H.

PLoS One. 2018 Jul 30;13(7):e0200627. doi: 10.1371/journal.pone.0200627. eCollection 2018.

PMID: 30059537 Free PMC Article

12. IgA regulates the composition and metabolic function of gut microbiota by promoting symbiosis between bacteria.

Nakajima A, Vogelzang A, Maruya M, Miyajima M, Murata M, Son A, Kuwahara T, Tsuruyama T, Yamada S, Matsuura M, Nakase H, Peterson DA, Fagarasan S, Suzuki K.

J Exp Med. 2018 Aug 6;215(8):2019–2034. doi: 10.1084/jem.20180427. Epub 2018 Jul 24.

PMID: 30042191 Free PMC Article

13. Dysregulation of miRNA in chronic hepatitis B is associated with hepatocellular carcinoma risk after nucleos(t)ide analogue treatment.

Wakasugi H, Takahashi H, Niinuma T, Kitajima H, Oikawa R, Matsumoto N, Takeba Y, Otsubo T, Takagi M, Ariizumi Y, Suzuki M, Okuse C, Iwabuchi S, Nakano M, Akutsu N, Kang JH, Matsui T, Yamada N, Sasaki H, Yamamoto E, Kai M, Sasaki Y, Sasaki S, Tanaka Y, Yotsuyanagi H, Tsutsumi T, Yamamoto H, Tokino T, Nakase H, Suzuki H, Itoh F.

Cancer Lett. 2018 Oct 10;434:91–100. doi: 10.1016/j.canlet.2018.07.019. Epub 2018 Jul 17.

PMID: 30026054

14. Surface microstructures are associated with mutational intratumoral heterogeneity in colorectal tumors.

Harada T, Yamamoto E, Yamano HO, Aoki H, Matsushita HO, Yoshikawa K, Takagi R, Harada E, Tanaka Y, Yoshida Y, Eizuka M, Yorozu A, Sudo G, Kitajima H, Niinuma T, Kai M, Sasaki Y, Tokino T, Sugai T, Nakase H, Suzuki H.

J Gastroenterol. 2018 Dec;53(12):1241–1252. doi: 10.1007/s00535-018-1481-z. Epub 2018 Jun 11.

PMID: 29948303

15. Prognostic nutritional index and early mortality with percutaneous endoscopic gastrostomy.

Adachi Y, Akino K, Nojima M, Himori R, Kikuchi T, Mita H, Nakamura M, Tsukuda H, Yamano HO, Sasaki Y, Yoshida Y, Kato Y, Nakase H, Endo T.

QJM. 2018 Sep 1;111(9):635–641. doi: 10.1093/qjmed/hcy137.

PMID: 29939360

16. NUDT15 codon 139 is the best pharmacogenetic marker for predicting thiopurine-induced severe adverse events in Japanese patients with inflammatory bowel disease: a multicenter study.

Kakuta Y, Kawai Y, Okamoto D, Takagawa T, Ikeya K, Sakuraba H, Nishida A, Nakagawa S,

Miura M, Toyonaga T, Onodera K, Shinozaki M, Ishiguro Y, Mizuno S, Takahara M, Yanai S, Hokari R, Nakagawa T, Araki H, Motoya S, Naito T, Moroi R, Shiga H, Endo K, Kobayashi T, Naganuma M, Hiraoka S, Matsumoto T, Nakamura S, Nakase H, Hisamatsu T, Sasaki M, Hanai H, Andoh A, Nagasaki M, Kinouchi Y, Shimosegawa T, Masamune A, Suzuki Y; MENDEL study group.

J Gastroenterol. 2018 Jun 19. doi: 10.1007/s00535-018-1486-7. [Epub ahead of print] PMID: 29923122 Free PMC Article

17. Gastric Ulcer Bleeding Due to Left Gastric Artery Pseudoaneurysm.

Sudo G, Tanuma T, Nakase H.

Am J Gastroenterol. 2018 Sep;113(9):1281. doi: 10.1038/s41395-018-0126-4. No abstract available.

PMID: 29899435

18. Hepatobiliary and Pancreatic: Hepatic alveolar echinococcosis mimics cholangiocarcinoma: Role of EUS-FNA.

Kawakami Y, Suzuki K, Miyake T, Hayashi Y, Akahonai M, Fukuda K, Yonezawa K, Morita R, Nakase H.

J Gastroenterol Hepatol. 2018 Jun 12. doi: 10.1111/jgh.14279. [Epub ahead of print] No abstract available.

PMID: 29896875

19. Chemokine CXCL16 mediates acinar cell necrosis in cerulein induced acute pancreatitis in mice.

Sakuma Y, Kodama Y, Eguchi T, Uza N, Tsuji Y, Shiokawa M, Maruno T, Kuriyama K, Nishikawa Y, Yamauchi Y, Tsuda M, Ueda T, Matsumori T, Morita T, Tomono T, Kakiuchi N, Mima A, Sogabe Y, Marui S, Kuwada T, Okada A, Watanabe T, Nakase H, Chiba T, Seno H.

Sci Rep. 2018 Jun 11;8(1):8829. doi: 10.1038/s41598-018-27200-y.

PMID: 29891873 Free PMC Article

20. MicroRNA-31 reflects IL-6 expression in cancer tissue and is related with poor prognosis in bile duct cancer.

Ishigami K, Noshio K, Koide H, Kanno S, Mitsuhashi K, Igarashi H, Shitani M, Motoya M, Kimura Y, Hasegawa T, Kaneto H, Takemasa I, Suzuki H, Nakase H.

Garcinogenesis. 2018 Sep 21;39(9):1127-1134. doi: 10.1093/carcin/bgy075.

PMID: 29860474

21. Predicting outcomes to optimize disease management in inflammatory bowel disease in Japan: their differences and similarities to Western countries.

Kobayashi T, Hisamatsu T, Suzuki Y, Ogata H, Andoh A, Araki T, Hokari R, Iijima H, Ikeuchi H, Ishiguro Y, Kato S, Kunisaki R, Matsumoto T, Motoya S, Nagahori M, Nakamura S, Nakase H, Tsujikawa T, Sasaki M, Yokoyama K, Yoshimura N, Watanabe K, Katafuchi M, Watanabe M, Hibi T.

Intest Res. 2018 Apr;16(2):168-177. doi: 10.5217/ir.2018.16.2.168. Epub 2018 Apr 30. Review.

PMID: 29743830 Free PMC Article

22. Localized Gastrointestinal AL λ Amyloidosis.

Iida T, Yamashita K, Nakase H.

Clin Gastroenterol Hepatol. 2018 Sep;16(9):e93. doi: 10.1016/j.cgh.2017.09.026. Epub 2018 Apr 5. No abstract available.

PMID: 29627428

23. Subtypes of the Type II Pit Pattern Reflect Distinct Molecular Subclasses in the Serrated Neoplastic Pathway.

Aoki H, Yamamoto E, Yamano HO, Sugai T, Kimura T, Tanaka Y, Matsushita HO, Yoshikawa K, Takagi R, Harada E, Nakaoka M, Yoshida Y, Harada T, Sudo G, Eizuka M, Yorozu A, Kitajima H, Niinuma T, Kai M, Nojima M, Suzuki H, Nakase H.

Dig Dis Sci. 2018 Jul;63(7):1920–1928. doi: 10.1007/s10620-018-5016-5. Epub 2018 Mar 15.

PMID: 29546645

24. Natural history of gastric cancer from a retrospective review of endoscopic images of older patients with interval gastric cancer.

Iida T, Yamashita K, Ohwada S, Ohkubo Y, Hirano T, Miyake T, Onodera K, Kubo T, Yamano H, Nakase H.

Geriatr Gerontol Int. 2018 Jul;18(7):997–1002. doi: 10.1111/ggi.13289. Epub 2018 Mar 2.

PMID: 29498489

25. Epigenetic silencing of SMOC1 in traditional serrated adenoma and colorectal cancer.

Aoki H, Yamamoto E, Takasawa A, Niinuma T, Yamano HO, Harada T, Matsushita HO, Yoshikawa K, Takagi R, Harada E, Tanaka Y, Yoshida Y, Aoyama T, Eizuka M, Yorozu A, Kitajima H, Kai M, Sawada N, Sugai T, Nakase H, Suzuki H.

Oncotarget. 2018 Dec 20;9(4):4707–4721. doi: 10.18632/oncotarget.23523. eCollection 2018 Jan 12.

PMID: 29435136 Free PMC Article

26. Can Trainees Safely Perform Endoscopic Treatments for Common Bile Duct Stones? A Single-center Retrospective Study.

Iida T, Kaneto H, Wagatsuma K, Sasaki H, Naganawa Y, Nakagaki S, Satoh S, Shimizu H, Nakase H.

Intern Med. 2018 Apr 1;57(7):923–928. doi: 10.2169/internalmedicine.9737-17. Epub 2018 Feb 9.

PMID: 29434158 Free PMC Article

27. A case of nodal malignant lymphoma presenting with arterial bleeding related to its duodenal penetration.

Miyake T, Iida T, Masaki Y, Onodera K, Kubo T, Yamashita K, Yamano H, Nakase H.

Clin J Gastroenterol. 2018 Jun;11(3):229–234. doi: 10.1007/s12328-018-0827-7. Epub 2018 Feb 6. Review.

PMID: 29411246

28. A case of a rectal stricture related to ischemic proctitis following rupture of an aortic aneurysm.

Iida T, Ohkubo Y, Kubo T, Yamashita K, Onodera K, Yamamoto E, Nosho K, Ito T, Yamano H, Nakase H.

Endosc Int Open. 2018 Feb;6(2):E186–E189. doi: 10.1055/s-0043-117946. Epub 2018 Feb 1. PMID: 29399616 Free PMC Article

29. Stage classification of IgG4-related dacryoadenitis and sialadenitis by the serum cytokine environment.

Yamamoto M, Takano K, Kamekura R, Suzuki C, Ichimiya S, Himi T, Nakase H, Takahashi H. Mod Rheumatol. 2018 Nov;28(6):1004–1008. doi: 10.1080/14397595.2018.1436029. Epub 2018 Feb 23.

PMID: 29385874

30. Hepatic portal venous gas due to polystyrene sulfonate-induced enteritis.

Kubo T, Yamashita K, Yokoyama Y, Hirayama D, Shirata T, Mitsuhashi K, Onodera K, Yamamoto E, Nosho K, Yamano H, Kubo T, Sugita S, Hasegawa T, Nakase H.

Clin J Gastroenterol. 2018 Jun;11(3):220–223. doi: 10.1007/s12328-018-0818-8. Epub 2018 Jan 22.

PMID: 29356959

31. Efficacy and safety of endoscopic procedures for common bile duct stones in patients aged 85 years or older: A retrospective study.

Iida T, Kaneto H, Wagatsuma K, Sasaki H, Naganawa Y, Nakagaki S, Satoh S, Shimizu H, Nakase H.

PLoS One. 2018 Jan 3;13(1):e0190665. doi: 10.1371/journal.pone.0190665. eCollection 2018.

PMID: 29298346 Free PMC Article

32. Efficacy of Endoscopic Balloon Dilation for Small Bowel Strictures in Patients With Crohn's Disease: A Nationwide, Multi-centre, Open-label, Prospective Cohort Study.

Hirai F, Andoh A, Ueno F, Watanabe K, Ohmiya N, Nakase H, Kato S, Esaki M, Endo Y, Yamamoto H, Matsui T, Iida M, Hibi T, Watanabe M, Suzuki Y, Matsumoto T.

J Crohns Colitis. 2018 Mar 28;12(4):394–401. doi: 10.1093/ecco-jcc/jjx159.

PMID: 29194463

33. Clinical and Pharmacokinetic Factors Associated With Adalimumab-Induced Mucosal Healing in Patients With Crohn's Disease.

Watanabe K, Matsumoto T, Hisamatsu T, Nakase H, Motoya S, Yoshimura N, Ishida T, Kato S, Nakagawa T, Esaki M, Nagahori M, Matsui T, Naito Y, Kanai T, Suzuki Y, Nojima M, Watanabe M, Hibi T; DIAMOND study group.

Clin Gastroenterol Hepatol. 2018 Apr;16(4):542–549. e1. doi: 10.1016/j.cgh.2017.10.036.

Epub 2017 Nov 11.
PMID: 29104132 Free Article

34. Elevation of Plasmin- α 2-plasmin Inhibitor Complex Predicts the Diagnosis of Systemic AL Amyloidosis in Patients with Monoclonal Protein.

Ishiguro K, Hayashi T, Yokoyama Y, Aoki Y, Onodera K, Ikeda H, Ishida T, Nakase H. Intern Med. 2018 Mar 15;57(6):783-788. doi: 10.2169/internalmedicine.8999-17. Epub 2017 Oct 11.
PMID: 29021469 Free PMC Article

35. Systemic amyloidosis with gastrointestinal involvement: Diagnosis from endoscopic and histological views.

Iida T, Yamano H, Nakase H.

J Gastroenterol Hepatol. 2018 Mar;33(3):583-590. doi: 10.1111/jgh.13996. Review.
PMID: 28940821

36. Analysis of the expression of cancer-associated fibroblast- and EMT-related proteins in submucosal invasive colorectal cancer.

Sugai T, Uesugi N, Kitada Y, Yamada N, Osakabe M, Eizuka M, Sugimoto R, Fujita Y, Kawasaki K, Yamamoto E, Yamano H, Suzuki H, Matsumoto T. J Cancer. 2018 Jun 23;9(15):2702-2712. doi: 10.7150/jca.25646. eCollection 2018.
PMID: 30087711 Free PMC Article

37. Molecular Profiling Based on KRAS/BRAF Mutation, Methylation, and Microsatellite Statuses in Serrated Lesions.

Sugai T, Eizuka M, Fujita Y, Kawasaki K, Yamamoto E, Ishida K, Yamano H, Suzuki H, Matsumoto T. Dig Dis Sci. 2018 Oct;63(10):2626-2638. doi: 10.1007/s10620-018-5167-4. Epub 2018 Jul 5.
PMID: 29974407 Free PMC Article

38. Validation study for development of the Japan NBI Expert Team classification of colorectal lesions.

Iwatate M, Sano Y, Tanaka S, Kudo SE, Saito S, Matsuda T, Wada Y, Fujii T, Ikematsu H, Uraoka T, Kobayashi N, Nakamura H, Hotta K, Horimatsu T, Sakamoto N, Fu KI, Tsuruta O, Kawano H, Kashida H, Takeuchi Y, Machida H, Kusaka T, Yoshida N, Hirata I, Terai T, Yamano HO, Nakajima T, Sakamoto T, Yamaguchi Y, Tamai N, Nakano N, Hayashi N, Oka S, Ishikawa H, Murakami Y, Yoshida S, Saito Y; Japan NBI Expert Team (JNET). Dig Endosc. 2018 Sep;30(5):642-651. doi: 10.1111/den.13065. Epub 2018 Jun 26.
PMID: 29603399

39. Subtypes of the Type II Pit Pattern Reflect Distinct Molecular Subclasses in the Serrated Neoplastic Pathway.

Aoki H, Yamamoto E, Yamano HO, Sugai T, Kimura T, Tanaka Y, Matsushita HO, Yoshikawa K, Takagi R, Harada E, Nakaoka M, Yoshida Y, Harada T, Sudo G, Eizuka M, Yorozu A, Kitajima H, Niinuma T, Kai M, Nojima M, Suzuki H, Nakase H.

Dig Dis Sci. 2018 Jul;63(7):1920–1928. doi: 10.1007/s10620-018-5016-5. Epub 2018 Mar 15. PMID: 29546645

40. Molecular profiling and comprehensive genome-wide analysis of somatic copy number alterations in gastric intramucosal neoplasias based on microsatellite status.

Sugai T, Eizuka M, Arakawa N, Osakabe M, Habano W, Fujita Y, Yamamoto E, Yamano H, Endoh M, Matsumoto T, Suzuki H.

Gastric Cancer. 2018 Sep;21(5):765–775. doi: 10.1007/s10120-018-0810-5. Epub 2018 Feb 21.

PMID: 29468422 Free PMC Article

41. Genetic Mechanisms of Immune Evasion in Colorectal Cancer.

Grasso CS, Giannakis M, Wells DK, Hamada T, Mu XJ, Quist M, Nowak JA, Nishihara R, Qian ZR, Inamura K, Morikawa T, Nosho K, Abril-Rodriguez G, Connolly C, Escuin-Ordinas H, Geybels MS, Grady WM, Hsu L, Hu-Lieskovan S, Huyghe JR, Kim YJ, Krystofinski P, Leiserson MDM, Montoya DJ, Nadel BB, Pellegrini M, Pritchard CC, Puig-Saus C, Quist EH, Raphael BJ, Salipante SJ, Shin DS, Shinbrot E, Shirts B, Shukla S, Stanford JL, Sun W, Tsoi J, Upfill-Brown A, Wheeler DA, Wu CJ, Yu M, Zaidi SH, Zaretsky JM, Gabriel SB, Lander ES, Garraway LA, Hudson TJ, Fuchs CS, Ribas A, Ogino S, Peters U.

Cancer Discov. 2018 Jun;8(6):730–749. doi: 10.1158/2159-8290.CD-17-1327. Epub 2018 Mar 6.

PMID: 29510987

42. Impact of loss-of-function mutations at the RNF43 locus on colorectal cancer development and progression.

Eto T, Miyake K, Nosho K, Ohmuraya M, Imamura Y, Arima K, Kanno S, Fu L, Kiyozumi Y, Izumi D, Sugihara H, Hiyoshi Y, Miyamoto Y, Sawayama H, Iwatsuki M, Baba Y, Yoshida N, Furukawa T, Araki K, Baba H, Ishimoto T.

J Pathol. 2018 Aug;245(4):445–455. doi: 10.1002/path.5098. Epub 2018 Jun 20.

PMID: 29756208

43. TIME (Tumor Immunity in the MicroEnvironment) classification based on tumor CD274 (PD-L1) expression status and tumor-infiltrating lymphocytes in colorectal carcinomas.

Hamada T, Soong TR, Masugi Y, Kosumi K, Nowak JA, da Silva A, Mu XJ, Twombly TS, Koh H, Yang J, Song M, Liu L, Gu M, Shi Y, Nosho K, Morikawa T, Inamura K, Shukla SA, Wu CJ, Garraway LA, Zhang X, Wu K, Meyerhardt JA, Chan AT, Glickman JN, Rodig SJ, Freeman GJ, Fuchs CS, Nishihara R, Giannakis M, Ogino S.

Oncoimmunology. 2018 Mar 19;7(7):e1442999. doi: 10.1080/2162402X.2018.1442999. eCollection 2018.

PMID: 29900052

44. Vitamin D status after colorectal cancer diagnosis and patient survival according to immune response to tumour.

Hamada T, Liu L, Nowak JA, Mima K, Cao Y, Ng K, Twombly TS, Song M, Jung S, Dou R, Masugi Y, Kosumi K, Shi Y, da Silva A, Gu M, Li W, Keum N, Wu K, Nosho K, Inamura K, Meyerhardt JA, Nevo D, Wang M, Giannakis M, Chan AT, Giovannucci EL, Fuchs CS, Nishihara R, Zhang X, Ogino S.

Eur J Cancer. 2018 Nov;103:98–107. doi: 10.1016/j.ejca.2018.07.130. Epub 2018 Sep 13. PMID: 30219720

45. *Fusobacterium nucleatum* in Colorectal Cancer Relates to Immune Response Differentially by Tumor Microsatellite Instability Status.

Hamada T, Zhang X, Mima K, Bullman S, Sukawa Y, Nowak JA, Kosumi K, Masugi Y, Twombly TS, Cao Y, Song M, Liu L, da Silva A, Shi Y, Gu M, Li W, Koh H, Nosho K, Inamura K, Keum N, Wu K, Meyerhardt JA, Kostic AD, Huttenhower C, Garrett WS, Meyerson M, Giovannucci EL, Chan AT, Fuchs CS, Nishihara R, Giannakis M, Ogino S.

Cancer Immunol Res. 2018 Nov;6(11):1327–1336. doi: 10.1158/2326-6066.CIR-18-0174. Epub 2018 Sep 18.

PMID: 30228205

46. The Amount of Bifidobacterium Genus in Colorectal Carcinoma Tissue in Relation to Tumor Characteristics and Clinical Outcome.

Kosumi K, Hamada T, Koh H, Borowsky J, Bullman S, Twombly TS, Nevo D, Masugi Y, Liu L, da Silva A, Chen Y, Du C, Gu M, Li C, Li W, Liu H, Shi Y, Mima K, Song M, Nosho K, Nowak JA, Nishihara R, Baba H, Zhang X, Wu K, Wang M, Huttenhower C, Garrett WS, Meyerson ML, Lennerz JK, Giannakis M, Chan AT, Meyerhardt JA, Fuchs CS, Ogino S.

Am J Pathol. 2018 Dec;188(12):2839–2852. doi: 10.1016/j.ajpath.2018.08.015. Epub 2018 Sep 20.

PMID: 30243655

47. Five-weekly S-1 plus cisplatin therapy combined with trastuzumab therapy in HER2-positive gastric cancer: a phase II trial and biomarker study (WJOG7212G).

Miura Y, Sukawa Y, Hironaka S, Mori M, Nishikawa K, Tokunaga S, Okuda H, Sakamoto T, Taku K, Nishikawa K, Moriwaki T, Negoro Y, Kimura Y, Uchino K, Shinozaki K, Shinozaki H, Musha N, Yoshiyama H, Tsuda T, Miyata Y, Sugimoto N, Shirakawa T, Ito M, Yonesaka K, Yoshimura K, Boku N, Nosho K, Takano T, Hyodo I.

Gastric Cancer. 2018 Jan;21(1):84–95. doi: 10.1007/s10120-017-0725-6. Epub 2017 May 11.

PMID: 28497176

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○主な研究内容

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- 5 肝胆膵領域における新しい画像診断と遺伝子診断の開発
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- 9 免疫疾患における新しい治療法の開発

○Pub Med 掲載論文 (2017 年)

1. Tricho-hepato-enteric syndrome with novel SKIV2L gene mutations: A case report.

Hiejima E, Yasumi T, Nakase H, Matsuura M, Honzawa Y, Higuchi H, Okafuji I, Yorifuji T, Tanaka T, Izawa K, Kawai T, Nishikomori R, Heike T.
Medicine (Baltimore). 2017 Nov;96(46):e8601. doi: 10.1097/MD.0000000000008601.
PMID:29145277

2. Downregulation of miR-186 is associated with metastatic recurrence of gastrointestinal stromal tumors.

Niinuma T, Kai M, Kitajima H, Yamamoto E, Harada T, Maruyama R, Nobuoka T, Nishida T, Kanda T, Hasegawa T, Tokino T, Sugai T, Shinomura Y, Nakase H, Suzuki H.
Oncol Lett. 2017 Nov;14(5):5703-5710. doi: 10.3892/ol.2017.6911. Epub 2017 Sep 8.
PMID: 29113198

3. High prevalence of vitamin B-12 insufficiency in patients with Crohn's disease.

Ao M, Tsuji H, Shide K, Kosaka Y, Noda A, Inagaki N, Nakase H, Tanaka K.
Asia Pac J Clin Nutr. 2017;26(6):1076-1081. doi: 10.6133/apjcn.022017.13.
PMID: 28917233

4. Cutting Edge: A Critical Role of Lesional T Follicular Helper Cells in the Pathogenesis of IgG4-Related Disease.

Kamekura R, Takano K, Yamamoto M, Kawata K, Shigehara K, Jitsukawa S, Nagaya T, Ito F, Sato A, Ogasawara N, Tsubomatsu C, Takahashi H, Nakase H, Himi T, Ichimiya S.
J Immunol. 2017 Oct 15;199(8):2624-2629. doi: 10.4049/jimmunol.1601507. Epub 2017 Sep 15.
PMID: 28916523

5. Endoscopic removal of an impacted barolith at the sigmoid colon: a rare case report.

Iida T, Hirano T, Onodera K, Kubo T, Yamashita K, Yamano H, Nakase H.
Clin J Gastroenterol. 2017 Aug;10(4):361–363. doi: 10.1007/s12328-017-0752-1. Epub 2017 Jun 6.
PMID: 28589502

6. Endoscopic and molecular characterization of colorectal sessile serrated adenoma/polyps with cytologic dysplasia.

Tanaka Y, Yamano HO, Yamamoto E, Matsushita HO, Aoki H, Yoshikawa K, Takagi R, Harada E, Nakaoka M, Yoshida Y, Eizuka M, Sugai T, Suzuki H, Nakase H.
Gastrointest Endosc. 2017 Dec;86(6):1131–1138. e4. doi: 10.1016/j.gie.2017.05.006. Epub 2017 May 10.

7. Clinical outcomes of sigmoid colon volvulus: identification of the factors associated with successful endoscopic detorsion.

Iida T, Nakagaki S, Satoh S, Shimizu H, Kaneto H, Nakase H.
Intest Res. 2017 Apr;15(2):215–220. doi: 10.5217/ir.2017.15.2.215. Epub 2017 Apr 27.
PMID: 28522952

8. A Unique Cause of Persistent Diarrhea.

Iida T, Yamashita K, Nakase H.
Gastroenterology. 2017 May;152(6):1291–1292. doi: 10.1053/j.gastro.2016.11.051. Epub 2017 Apr 3. No abstract available.
PMID: 28384448

9. Role of autophagy in the pathogenesis of inflammatory bowel disease.

Iida T, Onodera K, Nakase H.
World J Gastroenterol. 2017 Mar 21;23(11):1944–1953. doi: 10.3748/wjg.v23.i11.1944. Review.
PMID: 28373760

10. Long non-coding RNA NEAT1 is a transcriptional target of p53 and modulates p53-induced transactivation and tumor-suppressor function.

Idogawa M, Ohashi T, Sasaki Y, Nakase H, Tokino T.
Int J Cancer. 2017 Jun 15;140(12):2785–2791. doi: 10.1002/ijc.30689. Epub 2017 Mar 27.
PMID: 28295289

11. Evaluation of a novel fluorescent nanobeacon for targeted imaging of Thomsen-Friedenreich associated colorectal cancer.

Nakase H, Sakuma S, Fukuchi T, Yoshino T, Mohri K, Miyata K, Kumagai H, Hiwatari KI, Tsubaki K, Ikejima T, Tobita E, Zhu M, Wilson KJ, Washington K, Gore JC, Pham W.
Int J Nanomedicine. 2017 Mar 2;12:1747–1755. doi: 10.2147/IJN.S124174. eCollection 2017.
PMID: 28280339

12. Maternal and fetal outcomes in pregnant Japanese women with inflammatory bowel disease: our experience with a series of 23 cases.

Minami N, Matsuura M, Koshikawa Y, Yamada S, Honzawa Y, Yamamoto S, Nakase H.
Intest Res. 2017 Jan;15(1):90–96. doi: 10.5217/ir.2017.15.1.90. Epub 2017 Jan 31.
PMID:28239318

13. Epigenetic silencing of diacylglycerol kinase gamma in colorectal cancer.

Kai M, Yamamoto E, Sato A, Yamano HO, Niinuma T, Kitajima H, Harada T, Aoki H, Maruyama R, Toyota M, Hatahira T, Nakase H, Sugai T, Yamashita T, Toyota M, Suzuki H.
Mol Carcinog. 2017 Jul;56(7):1743–1752. doi: 10.1002/mc.22631. Epub 2017 Mar 6.
PMID: 28218473

14. Osteopontin attenuates acute gastrointestinal graft-versus-host disease by preventing apoptosis of intestinal epithelial cells.

Kawakami K, Minami N, Matsuura M, Iida T, Toyonaga T, Nagaishi K, Arimura Y, Fujimiya M, Uede T, Nakase H.
Biochem Biophys Res Commun. 2017 Apr 1;485(2):468–475. doi: 10.1016/j.bbrc.2017.02.047.
Epub 2017 Feb 9.
PMID: 28192120

15. MicroRNA-196b is an independent prognostic biomarker in patients with pancreatic cancer.

Kanno S, Nosho K, Ishigami K, Yamamoto I, Koide H, Kurihara H, Mitsuhashi K, Shitani M, Motoya M, Sasaki S, Tanuma T, Maguchi H, Hasegawa T, Kimura Y, Takemasa I, Shinomura Y, Nakase H.
Carcinogenesis. 2017 Apr 1;38(4):425–431. doi: 10.1093/carcin/bgx013.
PMID: 28186267

16. EZH2 expression is a prognostic biomarker in patients with colorectal cancer treated with anti-EGFR therapeutics.

Yamamoto I, Nosho K, Kanno S, Igarashi H, Kurihara H, Ishigami K, Ishiguro K, Mitsuhashi K, Maruyama R, Koide H, Okuda H, Hasegawa T, Sukawa Y, Okita K, Takemasa I, Yamamoto H, Shinomura Y, Nakase H.
Oncotarget. 2017 Mar 14;8(11):17810–17818. doi: 10.18632/oncotarget.14863.
PMID: 28147317

17. The effect of forced expression of mutated K-RAS gene on gastrointestinal cancer cell lines and the IGF-1R targeting therapy.

Matsunaga Y, Adachi Y, Sasaki Y, Koide H, Motoya M, Nosho K, Takagi H, Yamamoto H, Sasaki S, Arimura Y, Tokino T, Carbone DP, Imai K, Shinomura Y.
Mol Carcinog. 2017 Feb;56(2):515–526. doi: 10.1002/mc.22513. Epub 2016 Jun 23.
PMID:27312358

18. Analysis of molecular alterations in laterally spreading tumors of the colorectum.

Sugai T, Habano W, Takagi R, Yamano H, Eizuka M, Arakawa N, Takahashi Y, Yamamoto E, Kawasaki K, Yanai S, Ishida K, Suzuki H, Matsumoto T.
J Gastroenterol. 2017 Jun;52(6):715-723. doi: 10.1007/s00535-016-1269-y. Epub 2016 Oct 4.
PMID:27704264

19. Tumour CD274 (PD-L1) expression and T cells in colorectal cancer.

Masugi Y, Nishihara R, Yang J, Mima K, da Silva A, Shi Y, Inamura K, Gao Y, Song M, Nowak JA, Liao X, Noshio K, Chan AT, Giannakis M, Bass AJ, Hodi FS, Freeman GJ, Rodig S, Fuchs CS, Qian ZR, Ogino S.
Gut. 2017 Aug;66(8):1463-1473. doi: 10.1136/gutjnl-2016-311421. Epub 2016 May 5.
PMID: 27196573

20. A prospective, multicenter survey on the validity of shorter periendoscopic cessation of antithrombotic agents in Japan.

Mabe K, Kato M, Oba K, Nakagawa S, Seki H, Katsuki S, Yamashita K, Ono S, Shimizu Y, Sakamoto N; Sapporo Consensus Study Group.
J Gastroenterol. 2017 Jan;52(1):50-60. doi: 10.1007/s00535-016-1203-3. Epub 2016 Apr 16.
PMID: 27085338

21. Analysis of molecular alterations in laterally spreading tumors of the colorectum.

Sugai T, Habano W, Takagi R, Yamano H, Eizuka M, Arakawa N, Takahashi Y, Yamamoto E, Kawasaki K, Yanai S, Ishida K, Suzuki H, Matsumoto T.
J Gastroenterol. 2017 Jun;52(6):715-723. doi: 10.1007/s00535-016-1269-y. Epub 2016 Oct 4.
PMID: 27704264

22. Genome-wide analysis of DNA copy number alterations in early and advanced gastric cancers.

Arakawa N, Sugai T, Habano W, Eizuka M, Sugimoto R, Akasaka R, Toya Y, Yamamoto E, Koeda K, Sasaki A, Matsumoto T, Suzuki H.
Mol Carcinog. 2017 Feb;56(2):527-537. doi: 10.1002/mc.22514. Epub 2016 Aug 24.
PMID: 27312513

23. Genetic differences stratified by PCR-based microsatellite analysis in gastric intramucosal neoplasia.

Sugai T, Sugimoto R, Habano W, Endoh M, Eizuka M, Tsuchida K, Yamamoto E, Kawasaki K, Yanai S, Matsumoto T, Suzuki H.
Gastric Cancer. 2017 Mar;20(2):286-296. doi: 10.1007/s10120-016-0616-2. Epub 2016 May 28.
PMID: 27236438

24. Safety and efficacy of continued Sorafenib therapy after disease progression in patients with advanced hepatocellular carcinoma: A multicenter, perspective study.

Akutsu N, Sasaki S, Takagi H, Kaneto H, Yonezawa K, Yawata A, Adachi T, Yokoo H, Kamiyama T, Hamamoto Y, Nakase H,
Journal of Gastroenterology and Digestive
Diseases. 2017:Volume2, Issue 1:7-12

25. A Prospective Study of Smoking and Risk of Synchronous Colorectal Cancers.

Drew DA, Nishihara R, Lochhead P, Kuchiba A, Qian ZR, Mima K, Nosho K, Wu K, Wang M, Giovannucci E, Fuchs CS, Chan AT, Ogino S.
Am j Gastroenterol. 2017Mar;112(3):493-501. doi:10.1038/ajg.2016.589. Epub 2017 Jan 24.

26. Tumor SQSTM1 (p62) expression and T cells in colorectal cancer.

Kosumi K, Masugi Y, Yang J, Qian ZR, Kim SA, Li W, Shi Y, da Silva A, Hamada T, Liu L, Gu M, Twombly TS, Cao Y, Barbie DA, Nosho K, Baba H, Garrett WS, Meyerhardt JA, Giovannucci EL, Chan AT, Fuchs CS, Ogino S, Nishihara R.
Oncoimmunology. 2017 Jan 31;6(3):e1284720. doi: 10.1080/2162402X.2017.1284720. eCollection 2017.
PMID:28405513

27. Association Between Inflammatory Diet Pattern and Risk of Colorectal Carcinoma Subtypes Classified by Immune Responses to Tumor.

Liu L, Nishihara R, Qian ZR, Tabung FK, Nevo D, Zhang X, Song M, Cao Y, Mima K, Masugi Y, Shi Y, da Silva A, Twombly T, Gu M, Li W, Hamada T, Kosumi K, Inamura K, Nowak JA, Drew DA, Lochhead P, Nosho K, Wu K, Wang M, Garrett WS, Chan AT, Fuchs CS, Giovannucci EL, Ogino S.
Gastroenterology. 2017 Dec;153(6):1517-1530. e14. doi: 10.1053/j.gastro.2017.08.045. Epub 2017 Sep 1.
PMID:28865736

28. Tumor PDCD1LG2 (PD-L2) Expression and the Lymphocytic Reaction to Colorectal Cancer.

Masugi Y, Nishihara R, Hamada T, Song M, da Silva A, Kosumi K, Gu M, Shi Y, Li W, Liu L, Nevo D, Inamura K, Cao Y, Liao X, Nosho K, Chan AT, Giannakis M, Bass AJ, Hodi FS, Freeman GJ, Rodig SJ, Fuchs CS, Qian ZR, Nowak JA, Ogino S.
Cancer Immunol Res. 2017 Nov;5(11):1046-1055. doi: 10.1158/2326-6066.CIR-17-0122. Epub 2017 Oct 16.
PMID:29038297

29. *Fusobacterium nucleatum* detected simultaneously in a pyogenic liver abscess and advanced sigmoid colon cancer.

Shigefuku R, Watanabe T, Kanno Y, Ikeda H, Nakano H, Hattori N, Matsunaga K, Matsumoto N, Kanno SI, Nosho K, Hachiya A, Iwatani Y, Matsumori T, Tsukikawa S, Makizumi R, Otsubo T, Yamamoto H, Itoh F.
Anaerobe. 2017 Dec;48:144-146. doi: 10.1016/j.anaerobe.2017.08.010. Epub 2017 Aug 16.
PMID:28823592

30. The Phagocytic Function of Macrophage–Enforcing Innate Immunity and Tissue Homeostasis.

Hirayama D, Iida T, Nakase H.

Int J Mol Sci. 2017 Dec 29;19(1). pii: E92. doi: 10.3390/ijms19010092. Review.

PMID:29286292

31. Is Osteopontin a Friend or Foe of Cell Apoptosis in Inflammatory Gastrointestinal and Liver Diseases?

Iida T, Wagatsuma K, Hirayama D, Nakase H.

Int J Mol Sci. 2017 Dec 21;19(1). pii: E7. doi: 10.3390/ijms19010007. Review.

PMID:29267211

32. Author's Reply.

Iida T, Kaneto H, Nakase H.

Intest Res. 2017 Oct;15(4):554. doi: 10.5217/ir.2017.15.4.554. Epub 2017 Oct 23. No abstract available.

PMID:29142530

33. Significance of measurement of serum trough level and anti–drug antibody of adalimumab as personalised pharmacokinetics in patients with Crohn's disease: a subanalysis of the DIAMOND trial.

Nakase H, Motoya S, Matsumoto T, Watanabe K, Hisamatsu T, Yoshimura N, Ishida T, Kato S, Nakagawa T, Esaki M, Nagahori M, Matsui T, Naito Y, Kanai T, Suzuki Y, Nojima M, Watanabe M, Hibi T; DIAMOND study group.

Aliment Pharmacol Ther. 2017 Nov;46(9):873–882. doi: 10.1111/apt.14318. Epub 2017 Sep 8.

PMID:28884856

34. Insulin–like growth factor–1, IGF binding protein–3, and the risk of esophageal cancer in a nested case–control study.

Adachi Y, Nojima M, Mori M, Yamashita K, Yamano HO, Nakase H, Endo T, Wakai K, Sakata K, Tamakoshi A.

World J Gastroenterol. 2017 May 21;23(19):3488–3495. doi: 10.3748/wjg.v23.i19.3488.

PMID:28596684

消化器内科学講座

○主な研究内容

- 1 消化器疾患の病態解明とその臨床応用
- 2 消化管病変の画像強調内視鏡診断と遺伝子診断の開発
- 3 消化器癌の個別化医療とバイオマーカーの開発
- 4 炎症性腸疾患の再生医療と免疫治療の開発
- 5 肝胆膵領域における新しい画像診断と遺伝子診断の開発
- 6 膵癌に対するがんワクチン療法の開発
- 7 臨床検体を用いたゲノム・エピゲノム解析とその臨床応用
- 8 がんの分子標的治療の開発
- 9 免疫疾患における新しい治療法の開発

○Pub Med 掲載論文 (2016 年)

1. Lipocalin 2 prevents intestinal inflammation by enhancing phagocytic bacterial clearance in macrophages.
Toyonaga T, Matsuura M, Mori K, Honzawa Y, Minami N, Yamada S, Kobayashi T, Hibi T, Nakase H. *Sci Rep.* 2016 Oct 13;6:35014. doi: 10.1038/srep35014.
PMID: 27734904 Free Article
2. An Unusual Cause of Persistent Abdominal Pain.
Iida T, Goto A, Nakase H.
Gastroenterology. 2016 Nov;151(5):811-812
3. Re-recurrence after distal gastrectomy for recurrence caused by needle tract seeding during endoscopic ultrasound-guided fine-needle aspiration of a pancreatic adenocarcinoma.
Iida T, Adachi T, Ohe Y, Nakagaki S, Yabana T, Kondo Y, Nakase H.
Endoscopy. 2016 0;48(S 01):E304-E305. Epub 2016 Sep 26. No abstract available.
PMID: 27669534
4. Response to: 'Could abatacept directly target expanded plasmablasts in IgG4-related disease?' by Alegria et al.
Yamamoto M, Takahashi H, Takano K, Himi T, Nakase H.
Ann Rheum Dis. 2016 Nov;75(11):e74. doi: 10.1136/annrheumdis-2016-210403. No abstract available.
PMID: 27651399
5. Adalimumab Monotherapy and a Combination with Azathioprine for Crohn's Disease: A Prospective, Randomized Trial.
Matsumoto T, Motoya S, Watanabe K, Hisamatsu T, Nakase H, Yoshimura N, Ishida T, Kato S, Nakagawa T, Esaki M, Nagahori M, Matsui T, Naito Y, Kanai T, Suzuki Y, Nojima M, Watanabe M, Hibi T; DIAMOND study group.
J Crohns Colitis. 2016 Nov;10(11):1259Aug 26. pii: jjw152. [Epub ahead of print]
PMID: 27566367

6. Treatment of inflammatory bowel disease in Asia: the results of a multinational web-based survey in the 2(nd) Asian Organization of Crohn's and Colitis (AOCC) meeting in Seoul. Nakase H, Keum B, Ye BD, Park SJ, Koo HS, Eun GS. *Intest Res.* 2016 Jul;14(3):231-9. doi: 10.5217/ir.2016.14.3.231. Epub 2016 Jun 27. PMID: 27433145 Free PMC Article
7. Pneumomediastinum caused by hypopharyngeal perforation during endoscopic ultrasound-guided fine-needle aspiration. Iida T, Adachi T, Nakagaki S, Yabana T, Goto A, Kondo Y, Nakase H. *Endoscopy.* 2016;48 Suppl 1:E206-7. doi: 10.1055/s-0042-108574. Epub 2016 Jun 10. No abstract available. PMID: 27285657
8. Targeting cytomegalovirus during ulcerative colitis flare-ups. Nakase H, Onodera K. *Expert Rev Gastroenterol Hepatol.* 2016 Jun 2:1-7. [Epub ahead of print] PMID: 27211020
9. Insulin-like growth factor-related components and the risk of liver cancer in a nested case-control study. Adachi Y, Nojima M, Mori M, Matsunaga Y, Akutsu N, Sasaki S, Endo T, Kurozawa Y, Wakai K, Tamakoshi A; for JACC Study. *Tumour Biol.* 2016 Nov;37(11):15125-15132
10. MicroRNA let-7, T cells, and patient survival in colorectal cancer. Dou R, Nishihara R, Cao Y, Hamada T, Mima K, Masuda A, Masugi Y, Shi Y, Gu M, Li W, da Silva A, Nosho K, Zhang X, Meyerhardt JA, Giovannucci EL, Chan AT, Fuchs CS, Qian ZR, Ogino S. *Cancer Immunol Res.* 2016 Nov;4(11):927-935
11. Regular Aspirin Use Associates With Lower Risk of Colorectal Cancers With Low Numbers of Tumor-Infiltrating Lymphocytes. Cao Y, Nishihara R, Qian ZR, Song M, Mima K, Inamura K, Nowak JA, Drew DA, Lochhead P, Nosho K, Morikawa T, Zhang X, Wu K, Wang M, Garrett WS, Giovannucci EL, Fuchs CS, Chan AT, Ogino S. *Gastroenterology.* 2016 Nov;151(5):879-892
12. Genomic Correlates of Immune-Cell Infiltrates in Colorectal Carcinoma. Giannakis M, Mu XJ, Shukla SA, Qian ZR, Cohen O, Nishihara R, Bahl S, Cao Y, Amin-Mansour A, Yamauchi M, Sukawa Y, Stewart C, Rosenberg M, Mima K, Inamura K, Nosho K, Nowak JA, Lawrence MS, Giovannucci EL, Chan AT, Ng K, Meyerhardt JA, Van Allen EM, Getz G, Gabriel SB, Lander ES, Wu CJ, Fuchs CS, Ogino S, Garraway LA. *Cell Rep.* 2016 Apr 14. pii:S2211-1247(16)30364-3. doi:10.1016/j.celrep.2016.03.075. [Epub ahead of print]
13. Marine ω -3 Polyunsaturated Fatty Acid Intake and Risk of Colorectal Cancer Characterized by Tumor-Infiltrating T Cells. Song M, Nishihara R, Cao Y, Chun E, Qian ZR, Mima K, Inamura K, Masugi Y, Nowak JA, Nosho K, Wu K, Wang M, Giovannucci E, Garrett WS, Fuchs CS, Ogino S, Chan AT. *JAMA Oncol.* 2016 Sep 1;2(9):1197-206. Doi: 10.1001/jamaoncol.2016.0605. PMID: 27148825

14. The relationship between EZH2 expression and microRNA-31 in colorectal cancer and the role in evolution of the serrated pathway.
Kurihara H, Maruyama R, Ishiguro K, Kanno S, Yamamoto I, Ishigami K, Mitsuhashi K, Igarashi H, Ito M, Tanuma T, Sukawa Y, Okita K, Hasegawa T, Imai K, Yamamoto H, Shinomura Y, Noshō K.
Oncotarget. 2016 Mar 15;7(11):12704–17. doi: 10.18632/oncotarget.7260.
PMID: 26871294 Free PMC Article
15. Association of *Fusobacterium nucleatum* with immunity and molecular alterations in colorectal cancer.
Noshō K, Sukawa Y, Adachi Y, Ito M, Mitsuhashi K, Kurihara H, Kanno S, Yamamoto I, Ishigami K, Igarashi H, Maruyama R, Imai K, Yamamoto H, Shinomura Y.
World J Gastroenterol. 2016 Jan 14;22(2):557–66. doi: 10.3748/wjg.v22.i2.557. Review.
PMID: 26811607 Free PMC Article
16. MicroRNA MIR21 and T Cells in Colorectal Cancer.
Mima K, Nishihara R, Nowak JA, Kim SA, Song M, Inamura K, Sukawa Y, Masuda A, Yang J, Dou R, Noshō K, Baba H, Giovannucci EL, Bowden M, Loda M, Giannakis M, Bass AJ, Dranoff G, Freeman GJ, Chan AT, Fuchs CS, Qian ZR, Ogino S.
Cancer Immunol Res. 2016 Jan;4(1):33–40. doi: 10.1158/2326-6066.CIR-15-0084. Epub 2015 Sep 29.
PMID: 26419959
17. Plasma 25-hydroxyvitamin D and colorectal cancer risk according to tumour immunity status.
Song M, Nishihara R, Wang M, Chan AT, Qian ZR, Inamura K, Zhang X, Ng K, Kim SA, Mima K, Sukawa Y, Noshō K, Fuchs CS, Giovannucci EL, Wu K, Ogino S.
Gut. 2016 Feb;65(2):296–304. doi: 10.1136/gutjnl-2014-308852. Epub 2015 Jan 15.
PMID: 25591978 Free PMC Article
18. Response to: 'Could abatacept directly target expanded plasmablasts in IgG4-related disease?' by Alegria et al.
Yamamoto M, Takahashi H, Takano K, Himi T, Nakase H.
Ann Rheum Dis. 2016 Nov;75(11):e74. doi: 10.1136/annrheumdis-2016-210403. No abstract available.
PMID: 27651399
19. HER2-positive gastric cancer identified by serum HER2: A case report.
Saito M, Kawakami Y, Yamashita K, Nasuno H, Ishimine YU, Fukuda K, Isshiki H, Suzuki R, Arimura Y, Shinomura Y.
Oncol Lett. 2016 Jun;11(6):3575–3578. Epub 2016 Apr 19.
PMID: 27284358 Free PMC Article
20. Colonic Sarcoidosis Presenting as Granulomatous Appendicitis.
Iida T, Yamashita K, Arimura Y, Shinomura Y.
J Gastrointest Liver Dis. 2016 Mar;25(1):8. doi: 10.15403/jgld.2014.1121.251.csa. No abstract available.
PMID: 27014748 Free Article

21. Malignant Potential of Gastrointestinal Cancers Assessed by Structural Equation Modeling.
Shimizu H, Arimura Y, Onodera K, Takahashi H, Okahara S, Kodaira J, Ohashi H, Isshiki H, Kawakami K, Yamashita K, Shinomura Y, Hosokawa M. *PLoS One*. 2016 Feb 18;11(2):e0149327. doi: 10.1371/journal.pone.0149327. eCollection 2016.
PMID: 26889682 Free PMC Article
22. Serum HER2 as an adjunct to assess HER2 status for advanced gastric cancer: A prospective multicenter trial (SHERLOCK).
Saito M, Yamashita K, Arimura Y, Kaneto H, Okuda H, Nojima M, Hagiwara T, Suzuki K, Adachi T, Goto A, Nakachi K, Yawata A, Yoshimoto M, Tanuma T, Adachi Y, Yamaoka S, Mizukoshi T, Kawayama M, Hamamoto Y, Shinomura Y.
Acta Oncol. 2016;55(3):309–17. doi: 10.3109/0284186X.2015.1107189. Epub 2016 Jan 12.
PMID: 26757197
23. Systemic Prophylactic Antibiotics for the Modified Introducer Method for Percutaneous Endoscopic Gastrostomy: A Prospective, Randomized, Double-Blind Study.
Adachi Y, Akino K, Mita H, Kikuchi T, Yamashita K, Sasaki Y, Arimura Y, Endo T.
J Clin Gastroenterol. 2016 Oct;50(9):727–32. doi: 10.1097/MCG.0000000000000470.
PMID: 26756107
24. Association of colorectal carcinogenesis pathway with life style and intestinal microbiome based on the genome and epigenome abnormalities.
Nosho K, Sukawa Y, Nakase H.
Nihon Shokakibyō Gakkai Zasshi. 2016;113(11):1878–1886. No abstract available.
PMID: 27829599
25. Erratum: Treatment of inflammatory bowel disease in Asia: the results of a multinational web-based survey in the 2nd Asian Organization for Crohn's and Colitis (AOCC) meeting in Seoul.
Nakase H, Keum B, Ye BD, Park SJ, Koo HS, Eun CS.
Intest Res. 2016 Oct;14(4):381.
PMID: 27799892 Free PMC Article
26. Plasticity of lung cancer stem-like cells is regulated by the transcription factor HOXA5 that is induced by oxidative stress.
Saijo H, Hirohashi Y, Torigoe T, Horibe R, Takaya A, Murai A, Kubo T, Kajiwara T, Tanaka T, Shionoya Y, Yamamoto E, Maruyama R, Nakatsugawa M, Kanaseki T, Tsukahara T, Tamura Y, Sasaki Y, Tokino T, Suzuki H, Kondo T, Takahashi H, Sato N.
Oncotarget. 2016 Aug 2;7(31):50043–50056. doi:10.18632/oncotarget.10571.
PMID: 27418136 Free Article
27. Relationship Between Noncoding RNA Dysregulation and Epigenetic Mechanisms in Cancer.
Suzuki H, Maruyama R, Yamamoto E, Niinuma T, Kai M.
Adv Exp Med Biol. 2016;927:109–35. doi: 10.1007/978-981-10-1498-7_4.
PMID: 27376733
28. A genomic screen for long noncoding RNA genes epigenetically silenced by aberrant DNA methylation in colorectal cancer.

Kumegawa K, Maruyama R, Yamamoto E, Ashida M, Kitajima H, Tsuyada A, Niinuma T, Kai M, Yamano HO, Sugai T, Tokino T, Shinomura Y, Imai K, Suzuki H.
Sci Rep. 2016 May 24;6:26699. doi: 10.1038/srep26699.
PMID: 27215978 Free PMC Article

29. Assessment of epigenetic alterations in early colorectal lesions containing BRAF mutations.

Sawada T, Yamamoto E, Yamano HO, Nojima M, Harada T, Maruyama R, Ashida M, Aoki H, Matsushita HO, Yoshikawa K, Harada E, Tanaka Y, Wakita S, Niinuma T, Kai M, Eizuka M, Sugai T, Suzuki H.
Oncotarget. 2016 Jun 7;7(23):35106–18. doi: 10.18632/oncotarget.9044.
PMID: 27145369 Free PMC Article

30. Clinicopathological and molecular alterations in early gastric cancers with the microsatellite instability-high phenotype.

Sugimoto R, Sugai T, Habano W, Endoh M, Eizuka M, Yamamoto E, Uesugi N, Ishida K, Kawasaki T, Matsumoto T, Suzuki H.
Int J Cancer. 2016 Apr 1;138(7):1689–97. doi: 10.1002/ijc.29916.
PMID: 26538087 Free PMC Article

消化器・免疫・リウマチ内科学講座

○主な研究内容

- 1 消化器疾患の病態解明とその臨床応用
- 2 消化管病変の画像強調内視鏡診断と遺伝子診断の開発
- 3 消化器癌の個別化医療とバイオマーカーの開発
- 4 炎症性腸疾患の再生医療と免疫治療の開発
- 5 肝胆膵領域における新しい画像診断と遺伝子診断の開発
- 6 膵癌に対するがんワクチン療法の開発
- 7 臨床検体を用いたゲノム・エピゲノム解析とその臨床応用
- 8 がんの分子標的治療の開発
- 9 膠原病および自己免疫疾患の成因解明
- 10 ミクリッツ病と全身性 IgG4 関連疾患の病態解明
- 11 免疫疾患における新しい治療法の開発

○Pub Med 掲載論文 (2015 年)

1. Yuda S, Hayashi T, Yasui K, Muranaka A, Ohnishi H, Hashimoto A, Ishida T, Tsuchihashi K, Shinomura Y, Watanabe N, Miura T.
Pericardial Effusion and Multiple Organ Involvement Are Independent Predictors of Mortality in Patients with Systemic Light Chain Amyloidosis.
Intern Med. 2015;54(15):1833-40. doi: 10.2169/internalmedicine.54.3500. Epub 2015 Aug 1.
2. Isosaka M, Niinuma T, Nojima M, Kai M, Yamamoto E, Maruyama R, Nobuoka T, Nishida T, Kanda T, Taguchi T, Hasegawa T, Tokino T, Hirata K, Suzuki H, Shinomura Y.
A Screen for Epigenetically Silenced microRNA Genes in Gastrointestinal Stromal Tumors.
PLoS One. 2015 Jul 27;10(7):e0133754. doi: 10.1371/journal.pone.0133754. eCollection 2015.
3. Mitsuhashi K, Yamamoto I, Kurihara H, Kanno S, Ito M, Igarashi H, Ishigami K, Sukawa Y, Tachibana M, Takahashi H, Tokino T, Maruyama R, Suzuki H, Imai K, Shinomura Y, Yamamoto H, Nosho K.
Analysis of the molecular features of rectal carcinoid tumors to identify new biomarkers that predict biological malignancy.
Oncotarget.2015 Sep8;6(26):22114-25
4. Akutsu N, Adachi Y, Isosaka M, Mita H, Takagi H, Sasaki S, Yamamoto H, Arimura Y, Ishii Y, Masumori N, Endo T, Shinomura Y.
Mediastinal Yolk Sac Tumor Producing Protein Induced by Vitamin K Absence or Antagonist-II.
Intern Med. 2015;54(12):1531-6. doi: 10.2169/internalmedicine.54.4025. Epub 2015 Jun 15.
5. Ishiguro K, Hayashi T, Igarashi T, Maruyama Y, Ikeda H, Ishida T, Shinomura Y.
Decrease of B-type natriuretic peptide to less than 200 pg/mL predicts longer survival in cardiac immunoglobulin light chain amyloidosis.
Int J Hematol.2015 Aug;102(2):200-4

6. Saito K, Kukita K, Kutomi G, Okuya K, Asanuma H, Tabeya T, Naishiro Y, Yamamoto M, Takahashi H, Torigoe T, Nakai A, Shinomura Y, Hirata K, Sato N, Tamura Y.
Heat shock protein 90 associates with Toll-like receptors 7/9 and mediates self-nucleic acid recognition in SLE.
Eur J Immunol. 2015 Jul;45(7):2028-41. doi: 10.1002/eji.201445293. Epub 2015 Apr 28.
7. Mitsuhashi K, Nosho K, Sukawa Y, Matsunaga Y, Ito M, Kurihara H, Kanno S, Igarashi H, Naito T, Adachi Y, Tachibana M, Tanuma T, Maguchi H, Shinohara T, Hasegawa T, Imamura M, Kimura Y, Hirata K, Maruyama R, Suzuki H, Imai K, Yamamoto H, Shinomura Y.
Association of Fusobacterium species in pancreatic cancer tissues with molecular features and prognosis.
Oncotarget. 2015 Mar 30;6(9):7209-20.
8. Ito M, Kanno S, Nosho K, Sukawa Y, Mitsuhashi K, Kurihara H, Igarashi H, Takahashi T, Tachibana M, Takahashi H, Yoshii S, Takenouchi T, Hasegawa T, Okita K, Hirata K, Maruyama R, Suzuki H, Imai K, Yamamoto H, Shinomura Y.
Association of Fusobacterium nucleatum with clinical and molecular features in colorectal serrated pathway.
Int J Cancer. 2015 Sep;137(6):1258-68. doi: 10.1002/ijc.29488. Epub 2015 Mar 13.
9. Nakagaki S, Arimura Y, Nagaishi K, Isshiki H, Nasuno M, Watanabe S, Idogawa M, Yamashita K, Naishiro Y, Adachi Y, Suzuki H, Fujimiya M, Imai K, Shinomura Y.
Contextual niche signals towards colorectal tumor progression by mesenchymal stem cell in the mouse xenograft model.
J Gastroenterol. 2015 Sep;50(9):962-74
10. Nosho K, Igarashi H, Ito M, Mitsuhashi K, Kurihara H, Kanno S, Yoshii S, Mikami M, Takahashi H, Kusumi T, Hosokawa M, Sukawa Y, Adachi Y, Hasegawa T, Okita K, Hirata K, Maruyama R, Suzuki H, Imai K, Yamamoto H, Shinomura Y.
Clinicopathological and molecular characteristics of serrated lesions in Japanese elderly patients.
Digestion. 2015;91(1):57-63. doi: 10.1159/000368820. Epub 2015 Jan 20.
11. Takahashi H, Arimura Y, Okahara S, Kodaira J, Hokari K, Tsukagoshi H, Shinomura Y, Hosokawa M.
A randomized controlled trial of endoscopic steroid injection for prophylaxis of esophageal stenoses after extensive endoscopic submucosal dissection.
BMC Gastroenterol. 2015 Jan 22;15:1. doi: 10.1186/s12876-014-0226-6.
12. Higashide Y, Hayashi T, Hirayama D, Wagatsuma K, Aoki Y, Maruyama Y, Ikeda H, Ishida T, Shinomura Y.
[A case of primary mediastinal (Thymic) B-cell lymphoma successfully treated with the DA-EPOCH-R Regimen].
Gan To Kagaku Ryoho. 2015 Jan;42(1):119-22. Japanese.
13. Yamamoto M, Takahashi H, Shimizu Y, Yajima H, Suzuki C, Naishiro Y, Imai K, Shinomura Y.
Seasonal allergies and serial changes of serum levels of IgG4 in cases treated with maintenance therapy for IgG4-related disease.
Mod Rheumatol. 2015 Jan 13:1-2. [Epub ahead of print] No abstract available.

14. Igarashi H, Kurihara H, Mitsuhashi K, Ito M, Okuda H, Kanno S, Naito T, Yoshii S, Takahashi H, Kusumi T, Hasegawa T, Sukawa Y, Adachi Y, Okita K, Hirata K, Imamura Y, Baba Y, Imai K, Suzuki H, Yamamoto H, Noshio K, Shinomura Y.
Association of MicroRNA-31-5p with Clinical Efficacy of Anti-EGFR Therapy in Patients with Metastatic Colorectal Cancer.
Ann Surg Oncol. 2015 Aug;22(8):2640-8. doi: 10.1245/s10434-014-4264-7. Epub 2014 Dec 4.
15. Yamamoto M, Shimizu Y, Takahashi H, Yajima H, Yokoyama Y, Ishigami K, Tabeya T, Suzuki C, Matsui M, Naishiro Y, Imai K, Shinomura Y.
CCAAT/enhancer binding protein α (C/EBP α)(+) M2 macrophages contribute to fibrosis in IgG4-related disease?
Mod Rheumatol. 2015 May;25(3):484-6. doi: 10.3109/14397595.2014.950826. Epub 2014 Sep 2.
16. Yamamoto M, Yajima H, Takahashi H, Yokoyama Y, Ishigami K, Shimizu Y, Tabeya T, Suzuki C, Naishiro Y, Takano K, Yamashita K, Hashimoto M, Keira Y, Honda S, Abe T, Suzuki Y, Mukai M, Himi T, Hasegawa T, Imai K, Shinomura Y.
Everyday clinical practice in IgG4-related dacryoadenitis and/or sialadenitis: results from the SMART database.
Mod Rheumatol. 2015 Mar;25(2):199-204. doi:10.3109/14397595.2014.950036. Epub 2014 Aug 27.
17. Yamamoto M, Nojima M, Takahashi H, Yokoyama Y, Ishigami K, Yajima H, Shimizu Y, Tabeya T, Matsui M, Suzuki C, Naishiro Y, Takano K, Himi T, Imai K, Shinomura Y.
Identification of relapse predictors in IgG4-related disease using multivariate analysis of clinical data at the first visit and initial treatment.
Rheumatology (Oxford). 2015 Jan;54(1):45-9. doi:10.1093/rheumatology/keu228. Epub 2014 Jun 6.
18. Akutsu N, Sasaki S, Takagi H, Motoya M, Shitani M, Igarashi M, Hirayama D, Wakasugi H, Yamamoto H, Kaneto H, Yonezawa K, Yawata A, Adachi T, Hamamoto Y, Shinomura Y.
Development of hypertension within 2 weeks of initiation of sorafenib for advanced hepatocellular carcinoma is a predictor of efficacy.
Int J Clin Oncol. 2015 Feb;20(1):105-10. doi: 10.1007/s10147-014-0691-5. Epub 2014 Apr 18.
19. Ichimura N, Shinjo K, An B, Shimizu Y, Yamao K, Ohka F, Katsushima K, Hatanaka A, Tojo M, Yamamoto E, Suzuki H, Ueda M, Kondo Y.
Aberrant TET1 Methylation Closely Associated with CpG Island Methylator Phenotype in Colorectal Cancer.
Cancer Prev Res(Phila) 2015. Aug;8(8):702-11
20. Konishi Y, Hayashi H, Suzuki H, Yamamoto E, Sugisaki H, Higashimoto H.
Comparative analysis of methods to determine DNA methylation levels of a tumor-related microRNA gene.
Anal Biochem. 2015 Sep 1;484:66-71. doi: 10.1016/j.ab.2015.05.003. Epub 2015 May 13.
21. Inoue A, Sugawara S, Maemondo M, Mori Y, Oizumi S, Harada M, Taima K, Morikawa N, Ishida T, Kinoshita I, Watanabe H, Suzuki T, Nakagawa T, Saito R, Nukiwa T.
Randomized phase II trial comparing amrubicin with re-challenge of platinum doublet in patients with sensitive-relapsed small-cell lung cancer: North Japan Lung Cancer Study Group trial 0702.
Lung Cancer. 2015 Jul;89(1):61-5. doi: 10.1016/j.lungcan.2015.04.012. Epub 2015 May 4.

22. Nagaishi K, Arimura Y, Fujimiya M.
Stem cell therapy for inflammatory bowel disease.
J Gastroenterol. 2015 Mar;50(3):280-6. doi: 10.1007/s00535-015-1040-9. Epub 2015 Jan 25.
23. Mima K, Sukawa Y, Nishihara R, Qian ZR, Yamauchi M, Inamura K, Kim SA, Masuda A, Nowak JA, Noshō K, Kostic AD, Giannakis M, Watanabe H, Bullman S, Milner DA, Harris CC, Giovannucci E, Garraway LA, Freeman GJ, Dranoff G, Chan AT, Garrett WS, Huttenhower C, Fuchs CS, Ogino S.
Fusobacterium nucleatum and T Cells in Colorectal Carcinoma.
JAMA Oncol. 2015 Aug;1(5):35-61
24. Terao C, Matsumura T, Yoshifuji H, Kirino Y, Maejima Y, Nakaoka Y, Takahashi M, Amiya E, Tamura N, Nakajima T, Origuchi T, Horita T, Matsukura M, Kochi Y, Ogimoto A, Yamamoto M, Takahashi H, Nakayamada S, Saito K, Wada Y, Narita I, Kawaguchi Y, Yamanaka H, Ohmura K, Atsumi T, Tanemoto K, Miyata T, Kuwana M, Komuro I, Tabara Y, Ueda A, Isobe M, Mimori T, Matsuda F.
Brief Report: Takayasu Arteritis and Ulcerative Colitis: High Rate of Co-Occurrence and Genetic Overlap.
Arthritis Rheumatol. 2015 May;67(8):2226-32. doi: 10.1002/art.39157.
25. Yamamoto M, Awakawa T, Takahashi H.
Is rituximab effective for IgG4-related disease in the long term? Experience of cases treated with rituximab for 4 years.
Ann Rheum Dis. 2015 Aug;74(8):e46. doi: 10.1136/annrheumdis-2015-207625. Epub 2015 Apr 10.
No abstract available.
26. Khosroshahi A, Wallace ZS, Crowe JL, Akamizu T, Azumi A, Carruthers MN, Chari ST, Della-Torre E, Frulloni L, Goto H, Hart PA, Kamisawa T, Kawa S, Kawano M, Kim MH, Kodama Y, Kubota K, Lerch MM, Löhr M, Masaki Y, Matsui S, Mimori T, Nakamura S, Nakazawa T, Ohara H, Okazaki K, Ryu JH, Saeki T, Schleinitz N, Shimatsu A, Shimosegawa T, Takahashi H, Takahira M, Tanaka A, Topazian M, Umehara H, Webster GJ, Witzig TE, Yamamoto M, Zhang W, Chiba T, Stone JH.
International Consensus Guidance Statement on the Management and Treatment of IgG4-Related Disease.
Arthritis Rheumatol. 2015 Jul;67(7):1688-99. doi: 10.1002/art.39132. No abstract available.
27. Nakajima A, Masaki Y, Nakamura T, Kawanami T, Ishigaki Y, Takegami T, Kawano M, Yamada K, Tsukamoto N, Matsui S, Saeki T, Okazaki K, Kamisawa T, Miyashita T, Yakushijin Y, Fujikawa K, Yamamoto M, Hamano H, Origuchi T, Hirata S, Tsuboi H, Sumida T, Morimoto H, Sato T, Iwao H, Miki M, Sakai T, Fujita Y, Tanaka M, Fukushima T, Okazaki T, Umehara H.
Decreased expression of innate-related genes in peripheral blood mononuclear cells from patients with IgG4-related disease.
PLoS One. 2015; 10: e0126582.
28. Yamamoto M, Takahashi H, Shinomura Y.
Are Sjögren's syndrome and IgG4-related disease able to coexist? Mod Rheumatol.
2015; 25: 970-971.
29. Ohyama K, Baba M, Tamai M, Yamamoto M, Ichinose K, Kishikawa N, Takahashi H, Kawakami A, Kuroda N.

Immune complexome analysis of antigens in circulating immune complexes isolated from patients with IgG4-related dacryoadenitis and/or sialadenitis.

Mod Rheumatol. 2015 Jul 13: 1-3.

30. Shimizu Y, Yamamoto M, Yajima H, Suzuki C, Naishiro Y, Takahashi H, Imai K, Shinomura Y.
Role of interleukin-32 in the mechanism of chronic inflammation in IgG4-related disease and as a predictive biomarker for drug-free remission.
Mod Rheumatol. 2015 Oct 19:1-7.
31. Onodera K, Arimura Y, Isshiki H, Kawakami K, Nagaishi K, Yamashita K, Yamamoto E, Niinuma T, Naishiro Y, Suzuki H, Imai K, Shinomura Y.
Low-frequency IL23R coding variant associated with Crohn's disease susceptibility in Japanese subjects identified by personal genomics analysis.
PLoS One. 2015 Sep 16;10:e0137801.
32. Kamimae S, Yamamoto E, Kai M, Niinuma T, Yamano HO, Nojima M, Yoshikawa K, Kimura T, Takagi R, Harada E, Harada T, Maruyama R, Sasaki Y, Tokino T, Shinomura Y, Sugai T, Imai K, Suzuki H.
Epigenetic silencing of NTSR1 is associated with lateral and noninvasive growth of colorectal tumors.
Oncotarget. 2015;6:29975-29990.
33. Suga Y, Sugai T, Uesugi N, Kawasaki T, Fukagawa T, Yamamoto E, Ishida K, Suzuki H, Sugiyama T.
Molecular analysis of isolated tumor glands from endometrial endometrioid adenocarcinomas.
Pathol Int. 2015;65:240-249.

○その他論文 (2015 年)

1. 高橋裕樹, 鈴木知佐子, 山本元久
イラストで見る自己免疫疾患の発症を解き明かす鍵とは?
Mebio 2015;32:82-89
2. 山本元久, 高橋裕樹
自己免疫を介した自己免疫疾患病態の理解 3. マクロファージ
Keynote R・A 2015;3:66-70
3. 山本元久, 高橋裕樹, 篠村恭久, 関 伸彦, 高野賢一, 氷見徹夫
IgG4 関連疾患: SMART データベースから日常診療への展開
口腔・咽頭科 2015;28:7-14
4. 高橋裕樹, 鈴木知佐子, 山本元久
IgG4 関連疾患の臨床
臨床病理 2015;63:590-597
5. 高橋裕樹, 鈴木知佐子, 山本元久
IgG4 関連涙腺・唾液腺炎
日内会誌 2015;104:1838-1843

6. 高橋裕樹, 鈴木知佐子, 山本元久
IgG4 関連疾患の臨床スペクトラム
腎臓内科・泌尿器科 2015;2:259-264
7. 高橋裕樹, 鈴木知佐子, 山本元久
IgG4 関連疾患の治療
Modern Physician 2015;35:1318-1321
8. 山本元久, 高橋裕樹, 篠村恭久
IgG4 関連涙腺・唾液腺炎 (ミクリッツ病)
Modern Physician 2015;35:1329-1333
9. 高橋裕樹, 山本元久, 清水悠以
IgG4 関連疾患の予後予測について
リウマチ科 2015;54:639-644

消化器・免疫・リウマチ内科学講座

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○Pub Med 掲載論文 (2014 年)

1. Yamamoto M¹, Hashimoto M, Takahashi H, Shinomura Y.
IgG4 Disease.
J Neuroophthalmol. 2014 Dec;34(4):393-9. doi: 10.1097/WNO.000000000000172.
2. Arimura Y, Isshiki H, Hirayama D, Onodera K, Murakami K, Yamashita K, Shinomura Y.
Polypectomy to eradicate cap polyposis with protein-losing enteropathy.
Am J Gastroenterol. 2014 Oct;109(10):1689-91. doi: 10.1038/ajg.2014.227.
3. Harada T, Yamamoto E, Yamano HO, Nojima M, Maruyama R, Kumegawa K, Ashida M, Yoshikawa K, Kimura T, Harada E, Takagi R, Tanaka Y, Aoki H, Nishizono M, Nakaoka M, Tsuyada A, Niinuma T, Kai M, Shimoda K, Shinomura Y, Sugai T, Imai K, Suzuki H.
Analysis of DNA methylation in bowel lavage fluid for detection of colorectal cancer.
Cancer Prev Res (Phila). 2014 Oct;7(10):1002-10. doi: 10.1158/1940-6207.CAPR-14-0162. Epub 2014 Aug 19.
4. Hayashi T¹, Ikeda H, Igarashi T, Maruyama Y, Aoki Y, Nojima M, Ishida T, Shinomura Y.
Autologous stem cell transplantation for AL amyloidosis: adjustment of melphalan dose by factors including BNP.
Int J Hematol. 2014 Dec;100(6):554-8. doi: 10.1007/s12185-014-1680-1. Epub 2014 Oct 4.
5. Ishiguro K¹, Hayashi T, Aoki Y, Maruyama Y, Ikeda H, Ishida T, Shinomura Y.
Allogeneic bone marrow transplantation in a patient with primary hepatic diffuse large B-cell lymphoma that relapsed after autologous stem cell transplantation.
Nihon Shokakibyō Gakkai Zasshi. 2014 Sep;111(9):1798-804.
6. Naito T, Noshō K, Ito M, Igarashi H, Mitsunashi K, Yoshii S, Aoki H, Nomura M, Sukawa Y, Yamamoto E, Adachi Y, Takahashi H, Hosokawa M, Fujita M, Takenouchi T, Maruyama R, Suzuki H, Baba Y, Imai K, Yamamoto H, Ogino S, Shinomura Y.
IGF2 differentially methylated region hypomethylation in relation to pathological and molecular features of serrated lesions.
World J Gastroenterol. 2014 Aug 7;20(29):10050-61. doi: 10.3748/wjg.v20.i29.10050.

7. Yajima H¹, Yamamoto M, Tabeya T, Suzuki C, Igarashi T, Matsui M, Naishiro Y, Takahashi H, Shinomura Y.
[Human herpesvirus 6 encephalitis in a patient with glucocorticoid therapy for inflammatory abdominal aortic aneurysm].
Nihon Rinsho Meneki Gakkai Kaishi. 2014;37(2):96-100.
8. Ito M, Mitsuhashi K, Igarashi H, Nosho K, Naito T, Yoshii S, Takahashi H, Fujita M, Sukawa Y, Yamamoto E, Takahashi T, Adachi Y, Nojima M, Sasaki Y, Tokino T, Baba Y, Maruyama R, Suzuki H, Imai K, Yamamoto H, Shinomura Y.
MicroRNA-31 expression in relation to BRAF mutation, CpG island methylation and colorectal continuum in serrated lesions.
Int J Cancer. 2014 Dec 1;135(11):2507-15. doi: 10.1002/ijc.28920. Epub 2014 Apr 30.
9. Nasuno M¹, Arimura Y, Nagaishi K, Isshiki H, Onodera K, Nakagaki S, Watanabe S, Idogawa M, Yamashita K, Naishiro Y, Adachi Y, Suzuki H, Fujimiya M, Imai K, Shinomura Y.
Mesenchymal stem cells cancel azoxymethane-induced tumor initiation.
Stem Cells. 2014 Apr;32(4):913-25. doi: 10.1002/stem.1594.
10. Mitsuhashi K¹, Yamashita K, Goto A, Adachi T, Kondo Y, Kasai K, Suzuki R, Saito M, Arimura Y, Shinomura Y.
Gastric diffuse large B-cell lymphoma cured with Helicobacter pylori eradication regardless of whether it contains features of MALT lymphoma.
Intern Med. 2014;53(7):695-8. Epub 2012 Mar 1.
11. Sukawa Y, Yamamoto H, Nosho K, Ito M, Igarashi H, Naito T, Mitsuhashi K, Matsunaga Y, Takahashi T, Mikami M, Adachi Y, Suzuki H, Shinomura Y.
HER2 expression and PI3K-Akt pathway alterations in gastric cancer.
Digestion. 2014;89(1):12-7. doi: 10.1159/000356201. Epub 2014 Jan 20.
12. Yamamoto M, Takahashi H, Shinomura Y.
Mechanisms and assessment of IgG4-related disease: lessons for the rheumatologist.
Nat Rev Rheumatol. 2014 Mar;10(3):148-59. doi: 10.1038/nrrheum.2013.183. Epub 2013 Dec 3.
13. Nosho K, Igarashi H, Nojima M, Ito M, Maruyama R, Yoshii S, Naito T, Sukawa Y, Mikami M, Sumioka W, Yamamoto E, Kurokawa S, Adachi Y, Takahashi H, Okuda H, Kusumi T, Hosokawa M, Fujita M, Hasegawa T, Okita K, Hirata K, Suzuki H, Yamamoto H, Shinomura Y.
Association of microRNA-31 with BRAF mutation, colorectal cancer survival and serrated pathway.
Carcinogenesis. 2014 Apr;35(4):776-83. doi: 10.1093/carcin/bgt374. Epub 2013 Nov 15.
14. Kawakami Y, Yamamoto M, Tabeya T, Yajima H, Shimizu Y, Ishigami K, Matsui M, Suzuki C, Naishiro Y, Takahashi H, Shinomura Y.
IgG4-related orbital tumour with eye enucleation--infra-orbital nerve enlargement.
Rheumatology (Oxford).2014 Apr;53(4):610.doi:10.1093/rheumatology/ket340.Epub 2013 Nov 15.
15. Watanabe S, Arimura Y, Nagaishi K, Isshiki H, Onodera K, Nasuno M, Yamashita K, Idogawa M, Naishiro Y, Murata M, Adachi Y, Fujimiya M, Imai K, Shinomura Y.
Conditioned mesenchymal stem cells produce pleiotropic gut trophic factors.
J Gastroenterol. 2014 Feb;49(2):270-82. doi: 10.1007/s00535-013-0901-3. Epub 2013 Nov 12.

16. Adachi Y¹, Ohashi H, Imsumran A, Yamamoto H, Matsunaga Y, Taniguchi H, Nosho K, Suzuki H, Sasaki Y, Arimura Y, Carbone DP, Imai K, Shinomura Y.
The effect of IGF-I receptor blockade for human esophageal squamous cell carcinoma and adenocarcinoma.
Tumour Biol. 2014 Feb;35(2):973-85. doi: 10.1007/s13277-013-1131-2. Epub 2013 Sep 13.
17. Suzuki R¹, Yamamoto E, Nojima M, Maruyama R, Yamano HO, Yoshikawa K, Kimura T, Harada T, Ashida M, Niinuma T, Sato A, Nosho K, Yamamoto H, Kai M, Sugai T, Imai K, Suzuki H, Shinomura Y.
Aberrant methylation of microRNA-34b/c is a predictive marker of metachronous gastric cancer risk.
J Gastroenterol. 2014 Jul;49(7):1135-44. doi: 10.1007/s00535-013-0861-7. Epub 2013 Aug 13.
18. Takahashi H¹, Washio M, Kiyohara C, Tada Y, Asami T, Ide S, Atsumi T, Kobashi G, Yamamoto M, Horiuchi T; Kyushu Sapporo Sle (Kyss) Study Group.
Psychological stress in a Japanese population with systemic lupus erythematosus: finding from KYSS study.
Mod Rheumatol. 2014 May;24(3):448-52. doi:10.3109/14397595.2013.843745. Epub 2013 Nov 5.
19. Arimura Y¹, Isshiki H, Onodera K, Nagaishi K, Yamashita K, Sonoda T, Matsumoto T, Takahashi A, Takazoe M, Yamazaki K, Kubo M, Fujimiya M, Imai K, Shinomura Y.
Characteristics of Japanese inflammatory bowel disease susceptibility loci.
J Gastroenterol. 2014 Aug;49(8):1217-30. doi: 10.1007/s00535-013-0866-2. Epub 2013 Aug 13.
20. Tahara T, Yamamoto E, Madireddi P, Suzuki H, Maruyama R, Chung W, Garriga J, Jelinek J, Yamano HO, Sugai T, Kondo Y, Toyota M, Issa JP, Estécio MR.
Colorectal carcinomas with CpG island methylator phenotype 1 frequently contain mutations in chromatin regulators.
Gastroenterology.2014 Feb;146(2):530-38.e5.doi:10.1053/j.gastro.2013.10.060.Epub 2013 Nov 6.
21. Mizushima I, Inoue D, Yamamoto M, Yamada K, Saeki T, Ubara Y, Matsui S, Masaki Y, Wada T, Kasashima S, Harada K, Takahashi H, Notohara K, Nakanuma Y, Umehara H, Yamagishi M, Kawano M.
Clinical course after corticosteroid therapy in IgG4-related aortitis/periaortitis and periarteritis: a retrospective multicenter study.
Arthritis Res Ther. 2014 Jul 23;16(4):R156. doi: 10.1186/ar4671.
22. Takano K¹, Yajima R, Seki N, Abe A, Yamamoto M, Takahashi H, Himi T.
A study of infraorbital nerve swelling associated with immunoglobulin G4 Mikulicz's disease.
Mod Rheumatol.2014 Sep;24(5):798-801.doi:10.3109/14397595.2013.865884.Epub 2013 Dec 29.
23. Abe A¹, Takano K, Seki N, Jitsukawa S, Yamamoto M, Takahashi H, Himi T.
The clinical characteristics of patients with IgG4-related disease with infiltration of the labial salivary gland by IgG4-positive cells.
Mod Rheumatol. 2014 Nov;24(6):949-52. doi:10.3109/14397595.2014.891964.Epub 2014 Mar 26.
24. Tabeya T¹, Yamamoto M, Naishiro Y, Ishigami K, Shimizu Y, Yajima H, Suzuki C, Seki N, Takano K, Himi T, Imai K, Takahashi H, Shinomura Y.
The role of cytotoxic T cells in IgG4-related dacryoadenitis and sialadenitis, the so-called

- Mikulicz's disease.
Mod Rheumatol. 2014 Nov;24(6):953-60. doi: 10.3109/14397595.2014.882045. Epub 2014 Mar 4.
25. Takano K¹, Keira Y, Seki N, Abe A, Yamamoto M, Takahashi H, Himi T.
Evaluation of submandibular versus labial salivary gland fibrosis in IgG4-related disease.
Mod Rheumatol. 2014 Nov;24(6):1023-5.doi:10.3109/14397595.2013.853336. Epub 2013 Nov 11.
26. Yamamoto M, Takahashi H, Shinomura Y.
Mechanisms and assessment of IgG4-related disease: lessons for the rheumatologist.
Nat Rev Rheumatol. 2014 Mar;10(3):148-59. doi: 10.1038/nrrheum.2013.183. Epub 2013 Dec 3.
27. Yamamoto H, Watanabe Y, Maehata T, Morita R, Yoshida Y, Oikawa R, Ishigooka S, Ozawa S, Matsuo Y, Hosoya K, Yamashita M, Taniguchi H, Nosho K, Suzuki H, Yasuda H, Shinomura Y, Itoh F.
An updated review of gastric cancer in the next-generation sequencing era: insights from bench to bedside and vice versa.
World J Gastroenterol. 2014 Apr 14;20(14):3927-37. doi: 10.3748/wjg.v20.i14.3927.
28. Aoki H, Nosho K, Igarashi H, Ito M, Mitsuhashi K, Naito T, Yamamoto E, Tanuma T, Nomura M, Maguchi H, Shinohara T, Suzuki H, Yamamoto H, Shinomura Y.
MicroRNA-31 expression in colorectal serrated pathway progression.
World J Gastroenterol. 2014 Sep 14;20(34):12346-9. doi:10.3748/wjg.v20.i34.12346.
29. Imamura Y, Lochhead P, Yamauchi M, Kuchiba A, Qian ZR, Liao X, Nishihara R, Jung S, Wu K, Nosho K, Wang YE, Peng S, Bass AJ, Haigis KM, Meyerhardt JA, Chan AT, Fuchs CS, Ogino S¹.
Analyses of clinicopathological, molecular, and prognostic associations of KRAS codon 61 and codon 146 mutations in colorectal cancer: cohort study and literature review.
Mol Cancer. 2014 May 31;13:135. doi: 10.1186/1476-4598-13-135.
30. Yoshii S, Nojima M, Nosho K, Omori S, Kusumi T, Okuda H, Tsukagoshi H, Fujita M, Yamamoto H, Hosokawa M.
Factors associated with risk for colorectal cancer recurrence after endoscopic resection of T1 tumors.
Clin Gastroenterol Hepatol.2014 Feb;12(2):292-302.e3.doi:10.1016/j.cgh.2013.08.008.Epub 2013 Aug 17.
31. Yamashita K, Arimura Y, Fukuda K, Onodera K, Murakami K, Isshiki H, Saito M, Shinomura Y.
Major bleeding after endoscopic biopsy in relation to use of antithrombotics.
Endoscopy. 2014;46:538.
32. Tahara T, Yamamoto E, Suzuki H, Maruyama R, Chung W, Garriga J, Jelinek J, Yamano HO, Sugai T, An B, Shureiqi I, Toyota M, Kondo Y, Estécio MR, Issa JP.
Fusobacterium in colonic flora and molecular features of colorectal carcinoma.
Cancer Res. 2014;74:1311-1318.
33. Suzuki H, Yamamoto E, Maruyama R, Niinuma T, Kai M.
Biological significance of the CpG island methylator phenotype.
Biochem Biophys Res Commun. 2014;455:35-42.

○その他論文 (2014 年)

1. 山本元久, 清水悠以, 高橋裕樹, 篠村恭久
IgG4 関連疾患における早期治療の必要性
リウマチ科 2014;51:314-319
2. 高橋裕樹, 山本元久
IgG4 関連疾患の臨床的意義
日本医事新報 2014;4694:18-21
3. 高橋裕樹, 山本元久, 篠村恭久
眼・口腔乾燥症状
リウマチ科 2014;51:506-512
4. 高橋裕樹, 山本元久, 篠村恭久
IgG4 関連疾患
細胞 2014;46:464-468
5. 高橋裕樹, 山本元久, 篠村恭久
IgG4 関連疾患
日本内科学会雑誌 2014;103:2520-2526
6. 山本元久, 高橋裕樹, 篠村恭久
IgG4 関連疾患における血清 IgG4 値の有用性
Rheumatology Clinical Research 2014;3:202-206
7. 氷見徹夫, 高野賢一, 野村一顕, 阿部亜由美, 山本元久, 高橋裕樹
耳鼻咽喉科領域の IgG4 関連疾患
日本耳鼻咽喉科学会会報 2014;117:1438-1447

消化器・免疫・リウマチ内科学講座

○主な研究内容

- 1 消化器疾患の病態解明とその臨床応用
- 2 消化管病変の画像強調内視鏡診断と遺伝子診断の開発
- 3 消化器癌の個別化医療とバイオマーカーの開発
- 4 炎症性腸疾患の再生医療と免疫治療の開発
- 5 肝胆膵領域における新しい画像診断と遺伝子診断の開発
- 6 膵癌に対するがんワクチン療法の開発
- 7 臨床検体を用いたゲノム・エピゲノム解析とその臨床応用
- 8 がんの分子標的治療の開発
- 9 膠原病および自己免疫疾患の成因解明
- 10 ミクリッツ病と全身性 IgG4 関連疾患の病態解明
- 11 免疫疾患における新しい治療法の開発

○Pub Med 掲載論文 (2013 年)

1. Aoki Y, Nojima M, Suzuki H, Yasui H, Maruyama R, Yamamoto E, Ashida M, Itagaki M, Asaoku H, Ikeda H, Hayashi T, Imai K, Mori M, Tokino T, Ishida T, Toyota M, Shinomura Y.
Correction: Genomic vulnerability to LINE-1 hypomethylation is a potential determinant of the clinicogenetic features of multiple myeloma.
Genome Med. 2013 Oct 11;5(10):88. [Epub ahead of print]
2. Kato N, Yamamoto H, Adachi Y, Ohashi H, Taniguchi H, Suzuki H, Nakazawa M, Kaneto H, Sasaki S, Imai K, Shinomura Y.
Cancer detection by ubiquitin carboxyl-terminal esterase L1 methylation in pancreatobiliary fluids.
World J Gastroenterol. 2013 Mar 21;19(11):1718-27. doi: 10.3748/wjg.v19.i11.1718.
3. Yamashita K, Arimura Y, Saito M, Iida T, Suzuki R, Niinuma T, Furuhata T, Kimura K, Ohta T, Shinomura Y.
Pyogenic granuloma of the small bowel.
Endoscopy. 2013;45 Suppl 2 UCTN:E9-10. doi: 10.1055/s-0032-1326119. Epub 2013 Mar 6.
4. Maruyama Y, Hayashi T, Ikeda H, Yasui H, Ishida T, Shinomura Y.
[Usefulness of serum free light-chain assay for evaluation of therapeutic efficacy in non-secretory multiple myeloma].[Article in Japanese]
Rinsho Ketsueki. 2013 Jan;54(1):122-6.
5. Hasegawa T, Asanuma H, Ogino J, Hirohashi Y, Shinomura Y, Iwaki H, Kikuchi H, Kondo T.
Use of potassium channel tetramerization domain-containing 12 as a biomarker for diagnosis and prognosis of gastrointestinal stromal tumor.
Hum Pathol. 2013 Jul;44(7):1271-7. doi: 10.1016/j.humpath.2012.10.013. Epub 2013 Jan 3.

6. Shimizu Y, Yamamoto M, Naishiro Y, Sudoh G, Ishigami K, Yajima H, Tabeya T, Matsui M, Suzuki C, Takahashi H, Seki N, Himi T, Yamashita K, Noguchi H, Hasegawa T, Suzuki Y, Honda S, Abe T, Imai K, Shinomura Y.
Necessity of early intervention for IgG4-related disease--delayed treatment induces fibrosis progression.
Rheumatology (Oxford). 2013 Apr;52(4):679-83. doi: 10.1093/rheumatology/kes358. Epub 2012 Dec 19.
7. Kunimoto Y, Yasui H, Touda N, Okazaki M, Nakata H, Noda N, Ikeda H, Hayashi T, Takahashi S, Shinomura Y, Ishida T, Miyamoto A.
Coadministration of tenofovir decreased atazanavir plasma concentration after unilateral nephrectomy.
J Infect Chemother. 2013 Aug;19(4):750-3. doi:10.1007/s10156-012-0488-2. Epub 2012 Oct 5.
8. Shimizu T, Suzuki H, Nojima M, Kitamura H, Yamamoto E, Maruyama R, Ashida M, Hatahira T, Kai M, Masumori N, Tokino T, Imai K, Tsukamoto T, Toyota M.
Methylation of a panel of microRNA genes is a novel biomarker for detection of bladder cancer.
Eur Urol. 2013 Jun;63(6):1091-100. doi: 10.1016/j.eururo.2012.11.030. Epub 2012 Nov 23.
9. Sawada T, Yamamoto E, Suzuki H, Nojima M, Maruyama R, Shioi Y, Akasaka R, Kamimae S, Harada T, Ashida M, Kai M, Adachi Y, Yamamoto H, Imai K, Toyota M, Itoh F, Sugai T.
Association between genomic alterations and metastatic behavior of colorectal cancer identified by array-based comparative genomic hybridization.
Genes Chromosomes Cancer. 2013 Feb;52(2):140-9. doi: 10.1002/gcc.22013. Epub 2012 Oct 17.
10. Okazaki S, Nagoya S, Yamamoto M, Tateda K, Takahashi H, Yamashita T, Matsumoto H.
High risk of osteonecrosis of the femoral head in autoimmune disease patients showing no immediate increase in hepatic enzyme under steroid therapy.
Rheumatol Int. 2013 Jan;33(1):51-5. doi: 10.1007/s00296-011-2295-y. Epub 2012 Jan 4.
11. Ishida T.
[Triplets therapy for the patients of multiple myeloma]. [Article in Japanese]
Nihon Rinsho. 2013 Sep;71(9):1691-6.
12. Tahara T, Yamamoto E, Madireddi P, Suzuki H, Maruyama R, Chung W, Garriga J, Jelinek J, Yamano HO, Sugai T, Kondo Y, Toyota M, Issa JP, Estécio MR.
Colorectal Carcinomas with CpG Island Methylator Phenotype 1 Frequently Contain Mutations in Chromatin Regulators.
Gastroenterology. 2013 Nov 6. pii:S0016-5085(13)01578-3. doi:10.1053/j.gastro.2013.10.060. [Epub ahead of print]
13. Tabeya T, Sugaya T, Suzuki C, Yamamoto M, Kanaseki T, Noguchi H, Naishiro Y, Ishida T, Takahashi H, Shinomura Y.
A case of angioimmunoblastic T-cell lymphoma with high serum VEGF preceded by RS3PE syndrome.
Mod Rheumatol. 2013 Dec 2. [Epub ahead of print]

14. Saito M, Yamashita K, Tanuma T, Kaneto H, Murakami K, Onodera K, Shimizu H, Sakamoto H, Hosokawa-Motoya M, Arimura Y, Shinomura Y.
Pharyngeal Cancer Surveillance Using Narrow Band Imaging during Conventional Upper Gastrointestinal Endoscopy.
Digestion. 2013 Nov 22;88(4):229-234. [Epub ahead of print]
15. Isosaka M, Hayashi T, Mitsuhashi K, Tanaka M, Adachi T, Kondo Y, Suzuki T, Shinomura Y.
[Primary diffuse large B-cell lymphoma of the uterus complicated with hydronephrosis].
[Article in Japanese]
Rinsho Ketsueki. 2013 Apr;54(4):392-6.
16. Himi T, Takano K, Seki N, Moriyama A, Yamamoto M, Takahashi H.
IgG4-related disease in the head and neck region.
Practica Otologica. 2013; 106: 671-682.
17. Saeki T, Kawano M, Mizushima I, Yamamoto M, Wada Y, Nakashima H, Homma N, Tsubata Y, Takahashi H, Ito T, Yamazaki H, Saito T, Narita I.
The clinical course of patients with IgG4-related kidney disease.
Kidney Int. 2013; 84: 826-833.
18. Yamashita K, Arimura Y, Saito M, Suzuki H, Furuhata T, Hirata K, Shinomura Y.
Gastric cancer with microsatellite instability sharing clinical features, chemoresistance and germline MSH6 variants.
Clin J Gastroenterol. 2013;6:122-126.