

CURRICULUM VITAE

CURRENT APPOINTMENTS

Staff surgeon, Assistant Professor, Department of Gastroenterological Surgery,
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PERSONAL INFORMATION:

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EDUCATION:

2009-2012 Graduate School of Medicine, Osaka University, Osaka, Japan

Ph.D. degree in Gastroenterological Surgery (2012)

1996-2002 School of Medicine, Osaka University, Osaka, Japan

M.D. degree

CLINICAL EXPERIENCE:

- 2019~ Councillor of “the Japanese Society of Coloproctology”
- 2018~ Councillor of “the Japanese Society for Endoscopic Surgery”
- 2018~ Board Certified Physician by “the Japanese Society of Coloproctology”
- 2015~ Endoscopic surgical skill qualification system: qualified surgeon
- 2015.4~present Staff surgeon, Department of Gastroenterological Surgery, Osaka University Graduate School of Medicine, Osaka, Japan
- 2014.4~2015.3 Head Physician, Department of Surgery, Itami City Hospital, Hyogo, Japan
- 2010~ Board Certified Surgeon in Gastroenterology by “the Japanese society of Gastroenterological surgery”
- 2008~ General Clinical Oncologist by “Japanese board of cancer therapy”
- 2005-2008 Staff in Surgery, Osaka Police Hospital, Osaka, Japan
- 2007~ Board Certified Surgeon by “Japan surgical society”
- 2003-2005 Residency in Surgery, Osaka Kosei-nenkin Hospital, Osaka, Japan
- 2002-2003 Residency in Surgery, Osaka University Hospital, Osaka, Japan

RESEARCH EXPERIENCE:

- 2015.4~present Assistant professor, Department of Gastroenterological Surgery, Osaka University Graduate School of Medicine, Japan
- 2012.4- 2014.3 Research fellow, Molecular Oncology, Dana-Farber Cancer Institute, Harvard Medical School, Boston, MA
- 2009-2012 Graduate Student, Osaka University, Department of Surgery

(Dr. Masaki Mori, Dr. Yuichiro Doki)

PUBLICATIONS:

1. **Takahashi H**, Hamabe A, Hata T, Nishizawa Y, Nishimura A, Itoh M, Takemasa I. Prospective multicenter study of reduced port surgery combined with transvaginal specimen extraction for colorectal cancer resection. *Surg Today*. 2020. <https://doi.org/10.1007/s00595-019-01946-y>
2. (**corresponding author**) Morimoto Y, **Takahashi H**, Fujii M, Miyoshi N, Uemura M, Matsuda C, Yamamoto H, Mizushima T, Mori M, Doki Y. Visceral obesity is a preoperative risk factor for postoperative ileus after surgery for colorectal cancer: Single-institution retrospective analysis. *Ann Gastroenterol Surg*. 2019 Oct 16;3(6):657-666. doi:10.1002/ags3.12291. eCollection 2019 Nov. PubMed PMID: 31788654; PubMed CentralPMCID: PMC6876266.
3. (**corresponding author**) Nomura M, **Takahashi H**, Fujii M, Miyoshi N, Haraguchi N, Hata T, Matsuda C, Yamamoto H, Mizushima T, Mori M, Doki Y. Clinical significance of invasion distance relative to prognosis in pathological T3 colorectal cancer. *Oncol Lett*. 2019 Nov;18(5):5614-5620. doi: 10.3892/ol.2019.10913. Epub 2019 Sep 24. PubMed PMID: 31620203; PubMed Central PMCID: PMC6788166.
4. **Takahashi H**, Makino S, Okuzaki D, Miyoshi N, Haraguchi N, Hata T, Matsuda C, Yamamoto H, Mizushima T, Mori M, Doki Y. DCLK1 INTEGRATES INDUCTION OF TRIB3, EMT, DRUG RESISTANCE, and POOR PROGNOSIS IN COLORECTAL CANCER. *Carcinogenesis*. 2019 Sep 28. pii: bgz157. doi: 10.1093/carcin/bgz157. [Epub ahead of print] PubMed PMID: 31562741.
5. (**corresponding author**) Iwamoto K, **Takahashi H**, Fujii M, Haraguchi N, Hata T, Matsuda C, Yamamoto H, Mizushima T, Mori M, Doki Y. Correction to: Safety of Single-Site Laparoscopic Surgery Requiring Perioperative Heparinization in Colorectal Cancer: Propensity Score-Matched Analysis. *Ann Surg Oncol*. 2019 Sep 17. doi:10.1245/s10434-019-07839-1. [Epub ahead of print] PubMed PMID: 31531795.
6. (**corresponding author**) Tokuyama S, **Takahashi H**, Miyoshi N, Haraguchi N, Hata T, Matsuda C, Yamamoto H, Mizushima T, Mori M, Doki Y. A rare case of pelvic bronchogenic cyst treated by laparoscopic surgery. *Asian J Endosc Surg*. 2019 Apr 3. doi:10.1111/ases.12708. [Epub ahead of print] PubMed PMID: 30945471.
7. (**corresponding author**) Takeda M, **Takahashi H**, Haraguchi N, Miyoshi N, Hata T, Yamamoto H, Matsuda C, Mizushima T, Doki Y, Mori M. Factors predictive of high-output ileostomy: a retrospective single-center comparative study. *Surg Today*. 2019 Jun;49(6):482-487. doi: 10.1007/s00595-018-1756-2. Epub 2018 Dec 29. PubMed PMID:30594951; PubMed Central PMCID: PMC6526144.
8. **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Yamamoto H, Mizushima T, Mori M, Doki Y, Nakajima K. A novel suction/coagulation integrated probe for achieving better hemostasis:

development and clinical use. *Surg Today*. 2018 Jun;48(6):649-655. doi: 10.1007/s00595-018-1635-x. Epub 2018 Feb 17. PubMed PMID: 29453623.

9. **(corresponding author)** Sueda T, **Takahashi H**, Nishimura J, Hata T, Matsuda C, Mizushima T, Doki Y, Mori M. Impact of Low Muscularity and Myosteatosi s on Long-term Outcome After Curative Colorectal Cancer Surgery: A Propensity Score-Matched Analysis. *Dis Colon Rectum* 2018 Mar;61(3):364-374. doi: 10.1097/DCR.0000000000000958.
10. **(corresponding author)** Ikeda A, **Takahashi H**, Miyoshi N, Haraguchi N, Hata T, Matsuda C, Yamamoto H, Mizushima T, Doki Y, Mori M. Colonic ischemia developed after laparoscopic colectomy for rectosigmoid cancer with focal infrarenal aortic stenosis. *Asian J Endosc Surg*. 2018 Aug;11(3):270-273. doi: 10.1111/ases.12455. Epub 2018 Jan 8. PubMed PMID: 29316285.
11. **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Yamamoto H, Matsuda C, Mizushima T, Doki Y, Mori M. The Severity of Anastomotic Leakage May Negatively Impact the Long-term Prognosis of Colorectal Cancer. *Anticancer Res*. 2018 Jan;38(1):533-539. PubMed PMID: 29277820.
12. **(corresponding author)** Nomura M, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Ikenaga M, Yamamoto H, Murata K, Doki Y, Mori M, Mizushima T. The potential usefulness of the Response Index in positron emission tomography assessing the therapeutic effect of pre-operative chemotherapy for advanced colorectal cancer. *Cancer Chemother Pharmacol*. 2017 Dec;80(6):1219-1226. doi: 10.1007/s00280-017-3442-2. Epub 2017 Oct 26. PubMed PMID: 29075856.
13. **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Yamamoto H, Mizushima T, Doki Y, Mori M. Laparoscopic lymph node dissection around the inferior mesenteric artery for left-sided colon and rectal cancer. *Surg Today*. 2018 Mar;48(3):359-363. doi: 10.1007/s00595-017-1595-6. Epub 2017 Oct 9. PubMed PMID: 28993920.
14. **(corresponding author)** Iwamoto K, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Yamamoto H, Mizushima T, Doki Y, Mori M. Laparoscopic surgery for sigmoid colon cancer after multiple operations including urinary diversion with Indiana pouch: A case report. *Asian J Endosc Surg*. 2017 Nov;10(4):420-423. doi: 10.1111/ases.12383. Epub 2017 Jun 21. PubMed PMID: 28635173.
15. **(corresponding author)** Hata T, **Takahashi H**, Sakai D, Haraguchi N, Nishimura J, Kudo T, Matsuda C, Takemasa I, Taroh S, Mizushima T, Doki Y, Mori M. Neoadjuvant CapeOx therapy followed by sphincter-preserving surgery for lower rectal cancer. *Surg Today*. 2017 Nov;47(11):1372-1377. doi: 10.1007/s00595-017-1527-5. Epub 2017 May 4. PubMed PMID: 28474202.
16. **Takahashi H**, Makino S, Haraguchi N, Nishimura J, Hata T, Matsuda C, Ikenaga M, Murata K, Yamamoto H, Doki Y, Mori M, Mizushima T. A Single Institutional Analysis of Systemic Therapy for

Unresectable or Recurrent Small Bowel Adenocarcinoma. *Anticancer Res.* 2017 Mar;37(3):1495-1500. PubMed PMID: 28314324.

17. **Takahashi H**, Takemasa I, Haraguchi N, Nishimura J, Hata T, Yamamoto H, Matsuda C, Mizushima T, Doki Y, Mori M. The single-center experience with the standardization of single-site laparoscopic colectomy for right-sided colon cancer. *Surg Today.* 2017 Aug;47(8):966-972. doi: 10.1007/s00595-016-1457-7. Epub 2016 Dec 20. PubMed PMID: 27999950.
18. (**corresponding author**) Iwamoto K, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Yamamoto H, Mizushima T, Doki Y, Mori M. Laparoscopic surgery for sigmoid colon cancer after multiple operations including urinary diversion with Indiana pouch: A case report. *Asian J Endosc Surg.* 2017 Nov;10(4):420-423. doi: 10.1111/ases.12383. Epub 2017 Jun21
19. **Takahashi H**, Osawa H, Nishimura J, Ohta K, Haraguchi N, Hata T, Yamamoto H, Mizushima T, Takemasa I, Doki Y, Mori M. Full-length LGR5-positive cells have chemoresistant characteristics in colorectal cancer. *Br J Cancer.* 2016 May 24;114(11):1251-60. doi: 10.1038/bjc.2016.112. Epub 2016 May 3. PubMed PMID:27140312; PubMed Central PMCID: PMC4891500.
20. **Takahashi H**, Suzuki Y, Nishimura J, Haraguchi N, Ohtsuka M, Miyazaki S, Uemura M, Hata T, Takemasa I, Mizushima T, Yamamoto H, Doki Y, Mori M. Characteristics of carbonic anhydrase 9 expressing cells in human intestinal crypt base. *Int J Oncol.* 2016 Jan;48(1):115-22. doi: 10.3892/ijo.2015.3260. Epub 2015 Nov 20. PubMed PMID: 26648507.
21. **Takahashi H**, Hirota M, Takahashi T, Yamasaki M, Miyazaki Y, Makino T, Kurokawa Y, Takiguchi S, Mori M, Doki Y, Nakajima K. Simultaneous automatic insufflation and smoke-evacuation system in flexible gastrointestinal endoscopy. *Endoscopy.* 2016 Jun;48(6):579-583. Doi: 10.1055/s-0042-102782.
22. **Takahashi H**, Nishimura J, Kagawa Y, Kano Y, Takahashi Y, Wu X, Hiraki M, Hamabe A, Konno M, Haraguchi N, Takemasa I, Mizushima T, Ishii M, Mimori K, Ishii H, Doki Y, Mori M, Yamamoto H. Significance of Polypyrimidine Tract-Binding Protein 1 Expression in Colorectal Cancer. *Mol Cancer Ther.* 2015 Jul;14(7):1705-16. doi: 10.1158/1535-7163.MCT-14-0142. Epub 2015 Apr 22. PubMed PMID: 25904505.
23. **Takahashi H**, Jin C, Rajabi H, Pitroda S, Alam M, Ahmad R, Raina D, Hasegawa M, Suzuki Y, Tagde A, Bronson RT, Weichselbaum R, Kufe D. MUC1-C activates the TAK1 inflammatory pathway in colon cancer. *Oncogene.* 2015 Oct 1;34(40):5187-97. doi:10.1038/onc.2014.442. Epub 2015 Feb 9. PubMed PMID: 25659581; PubMed Central PMCID: PMC4530107.
24. **Takahashi H**, Rajabi H, Alam M, Kharbanda A, Guha M, Ahmad R, Kufe D. MUC1-C oncoprotein activates the ZEB1/miR-200c regulatory loop and epithelial-mesenchymal transition. *Oncogene.* 2014

Mar 27;33(13):1680-9. doi: 10.1038/onc.2013.114. Epub 2013 Apr 15. PubMed PMID: 23584475; PubMed Central PMCID: PMC3783575.

25. **Takahashi H**, Yamasaki M, Hirota M, Miyazaki Y, Moon JH, Souma Y, Mori M, Doki Y, Nakajima K. Automatic smoke evacuation in laparoscopic surgery: a simplified method for objective evaluation. *Surg Endosc*. 2013 Aug; 27(8):2980-2987. Doi: 10. 1007/s00464-013-2821-y.
26. **Takahashi H**, Haraguchi N, Nishikawa S, Miyazaki S, Suzuki Y, Mizushima T, Nishimura J, Takemasa I, Yamamoto H, Mimori K, Ishii H, Doki Y, Mori M. Biological and clinical availability of adipose-derived stem cells for pelvic dead space repair. *Stem Cells Transl Med*. 2012 Nov;1(11):803-10. doi:10.5966/sctm.2012-0085. Epub 2012 Oct 23. PubMed PMID: 23197692; PubMed Central PMCID: PMC3659662.
27. **Takahashi H**, Ikeda M, Takemasa I, Mizushima T, Yamamoto H, Sekimoto M, Doki Y, Mori M. Anal metastasis of colorectal carcinoma origin: implications for diagnosis and treatment strategy. *Dis Colon Rectum*. 2011 Apr;54(4):472-81. doi:10.1007/DCR.0b013e318205e116. PubMed PMID: 21383569.
28. **Takahashi H**, Ishii H, Nishida N, Takemasa I, Mizushima T, Ikeda M, Yokobori T, Mimori K, Yamamoto H, Sekimoto M, Doki Y, Mori M. Significance of Lgr5(+ve) cancer stem cells in the colon and rectum. *Ann Surg Oncol*. 2011 Apr;18(4):1166-74. doi: 10.1245/s10434-010-1373-9. Epub 2010 Dec 2. PubMed PMID: 21125339.

Co-Author

1. Hata T, Rajabi H, **Takahashi H**, Yasumizu Y, Li W, Jin C, Long MD, Hu Q, Liu S, Fushimi A, Yamashita N, Kui L, Hong D, Yamamoto M, Miyo M, Hiraki M, Maeda T, Suzuki Y, Samur MK, Kufe D. MUC1-C Activates the NuRD Complex to Drive Dedifferentiation of Triple-Negative Breast Cancer Cells. *Cancer Res*. 2019 Nov 15;79(22):5711-5722. doi: 10.1158/0008-5472.CAN-19-1034. Epub 2019 Sep 13. PubMed PMID: 31519689; PubMed Central PMCID: PMC6881519.
2. Hata T, Rajabi H, Yamamoto M, Jin C, Ahmad R, Zhang Y, Kui L, Li W, Yasumizu Y, Hong D, Miyo M, Hiraki M, Maeda T, Suzuki Y, **Takahashi H**, Samur M, Kufe D. Targeting MUC1-C Inhibits TWIST1 Signaling in Triple-Negative Breast Cancer. *Mol Cancer Ther*. 2019 Oct;18(10):1744-1754. doi: 10.1158/1535-7163.MCT-19-0156. Epub 2019 Jul 15. PubMed PMID: 31308076; PubMed Central PMCID: PMC6774902.
3. Hasegawa M, **Takahashi H**, Rajabi H, Alam M, Suzuki Y, Yin L, Tagde A, Maeda T, Hiraki M, Sukhatme VP, Kufe D. Functional interactions of the cystine/glutamate antiporter, CD44v and MUC1-C oncoprotein in triple-negative breast cancer cells. *Oncotarget*. 2016 Mar 15;7(11):11756-69. doi: 10.18632/oncotarget.7598. PubMed PMID: 26930718; PubMed Central PMCID: PMC4914246.

4. Murata M, Hiraki M, Hagiwara A, Sawami H, Suzuki R, Fukunaga H, Tanaka N, Inoue A, **Takahashi H**, Morita S. 3D Vessel Image Reconstruction by MDCT for Surgical Indication and Timing of Strangulating Small Bowel Obstructions. *World J Surg*. 2019 Dec 6. doi: 10.1007/s00268-019-05310-6. [Epub ahead of print] PubMed PMID: 31811338.
5. Murata M, **Takahashi H**, Yamada M, Song M, Hiratsuka M. A case of mixed adenoneuroendocrine carcinoma of the pancreas: Immunohistochemical analysis for histogenesis. *Medicine (Baltimore)*. 2017 Mar;96(9):e6225. doi:10.1097/MD.0000000000006225. PubMed PMID: 28248881; PubMed Central PMCID:PMC5340454.
6. Sekido Y, Nishimura J, Fujino S, Ogino T, Miyoshi N, **Takahashi H**, Uemura M, Haraguchi N, Hata T, Matsuda C, Mizushima T, Murata K, Hasegawa J, Mori M, Doki Y. Predicting lateral pelvic lymph node metastasis based on magnetic resonance imaging before and after neoadjuvant chemotherapy for patients with locally advanced lower rectal cancer. *Surg Today*. 2019 Oct 8. doi: 10.1007/s00595-019-01886-7. [Epub ahead of print] PubMed PMID: 31595366.
7. Sasaki M, Miyoshi N, Fujino S, Ishikawa S, Saso K, **Takahashi H**, Haraguchi N, Hata T, Matsuda C, Mizushima T, Doki Y, Mori M. Development of Novel Prognostic Prediction Models including the Prognostic Nutritional Index for Patients with Colorectal Cancer after Curative Resection. *J Anus Rectum Colon*. 2019 Jul 30;3(3):106-115. doi: 10.23922/jarc.2018-041. eCollection 2019. PubMed PMID: 31583325; PubMed Central PMCID: PMC6774735.
8. Kudo T, Takemasa I, Hata T, Sakai D, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Satoh T, Mizushima T, Mori M, Doki Y. A Phase I Study of Neoadjuvant Capecitabine, Oxaliplatin, and Irinotecan (XELOXIRI) in Patients with Locally Advanced Rectal Cancer. *Oncology*. 2019;97(4):211-216. doi:10.1159/000500677. Epub 2019 Jul 2. PubMed PMID: 31266024.
9. Watanabe Y, Miyoshi N, Fujino S, **Takahashi H**, Haraguchi N, Hata T, Matsuda C, Yamamoto H, Doki Y, Mori M, Mizushima T. Cumulative Inflammation Could Be a Risk Factor for Intestinal Failure in Crohn's Disease. *Dig Dis Sci*. 2019 Aug;64(8):2280-2285. doi: 10.1007/s10620-019-05553-2. Epub 2019 Feb 26. PubMed PMID: 30806860.
10. Takeda M, Koseki J, **Takahashi H**, Miyoshi N, Nishida N, Nishimura J, Hata T, Matsuda C, Mizushima T, Yamamoto H, Ishii H, Doki Y, Mori M, Haraguchi N. Disruption of Endolysosomal RAB5/7 Efficiently Eliminates Colorectal Cancer Stem Cells. *Cancer Res*. 2019 Apr 1;79(7):1426-1437. doi:10.1158/0008-5472.CAN-18-2192. Epub 2019 Feb 14. PubMed PMID: 30765602.
11. Hokonohara K, Nishida N, Miyoshi N, **Takahashi H**, Haraguchi N, Hata T, Matsuda C, Mizushima T, Doki Y, Mori M. Involvement of MAF1 homolog, negative regulator of RNA polymerase III in colorectal cancer progression. *Int J Oncol*. 2019 Mar;54(3):1001-1009. doi:10.3892/ijo.2019.4678. Epub 2019 Jan 7. PubMed PMID:30628658; PubMed Central PMCID: PMC6365024.

12. Ikeda A, Miyoshi N, Fujino S, Iijima H, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Doki Y, Mori M, Mizushima T. A Novel Predictive Nomogram for Early Endoscopic Recurrence after Intestinal Resection for Crohn's Disease. *Digestion*. 2019;100(4):269-276. doi:10.1159/000495981. Epub 2019 Jan 2. PubMed PMID: 30602165.
13. Saso K, Myoshi N, Fujino S, Takenaka Y, Takahashi Y, Nishimura J, Yasui M, Ohue M, Tokuoka M, Ide Y, **Takahashi H**, Haraguchi N, Hata T, Matsuda C, Mizushima T, Doki Y, Mori M. A novel prognostic prediction model for recurrence in patients with stage II colon cancer after curative resection. *Mol Clin Oncol*. 2018 Dec;9(6):697-701. doi: 10.3892/mco.2018.1733. Epub 2018 Oct 4. Erratum in: *Mol Clin Oncol*. 2019 Aug;11(2):213. PubMed PMID: 30546904; PubMed Central PMCID: PMC6256127.
14. Takeda K, Mizushima T, Yokoyama Y, Hirose H, Wu X, Qian Y, Ikehata K, Miyoshi N, **Takahashi H**, Haraguchi N, Hata T, Matsuda C, Doki Y, Mori M, Yamamoto H. Sox2 is associated with cancer stem-like properties in colorectal cancer. *Sci Rep*. 2018 Dec 5;8(1):17639. doi: 10.1038/s41598-018-36251-0. PubMed PMID: 30518951; PubMed Central PMCID: PMC6281572.
15. Sekido Y, Yasumizu Y, Nishimura J, Kayama H, Matsuno H, Ogino T, Miyoshi N, **Takahashi H**, Haraguchi N, Hata T, Matsuda C, Doki Y, Mori M, Takeda K, Ohkura N, Sakaguchi S, Mizushima T. Innate Myeloid Cell Subset-Specific Gene Expression Patterns in the Human Colon are Altered in Crohn's Disease Patients. *Digestion*. 2019;99(3):194-204. doi: 10.1159/000490890. Epub 2018 Oct 19. PubMed PMID:30343293.
16. Ichikawa Y, Matsuda C, Mizushima T, **Takahashi H**, Miyoshi N, Haraguchi N, Hata T, Yamamoto H, Doki Y, Mori M. Safety of laparoscopic colorectal surgery in patients with ventriculoperitoneal shunt. *Asian J Endosc Surg*. 2019 Jul;12(3):264-268. doi: 10.1111/ases.12640. Epub 2018 Aug 21. PubMed PMID:30133170.
17. Fukata T, Mizushima T, Nishimura J, Okuzaki D, Wu X, Hirose H, Yokoyama Y, Kubota Y, Nagata K, Tsujimura N, Inoue A, Miyoshi N, Haraguchi N, **Takahashi H**, Hata T, Matsuda C, Kayama H, Takeda K, Doki Y, Mori M, Yamamoto H. The Supercarbonate Apatite-MicroRNA Complex Inhibits Dextran Sodium Sulfate-Induced Colitis. *Mol Ther Nucleic Acids*. 2018 Sep 7;12:658-671. doi:10.1016/j.omtn.2018.07.007. Epub 2018 Aug 6. PubMed PMID: 30092402; PubMed Central PMCID: PMC6083010.
18. Tamai K, Mizushima T, Wu X, Inoue A, Ota M, Yokoyama Y, Miyoshi N, Haraguchi N, **Takahashi H**, Nishimura J, Hata T, Matsuda C, Doki Y, Mori M, Yamamoto H. Photodynamic Therapy Using Indocyanine Green Loaded on Super Carbonate Apatite as Minimally Invasive Cancer Treatment. *Mol Cancer Ther*. 2018 Jul;17(7):1613-1622. doi: 10.1158/1535-7163.MCT-17-0788. Epub 2018 Apr 13. PubMed PMID: 29654066.

19. Fukata T, Hata T, Kubo T, Haraguchi N, **Takahashi H**, Nishimura J, Matsuda C, Mizushima T, Hosokawa K, Doki Y, Mori M. [A Case Report of Complete Resection of the Recurrence Small Intestinal Carcinoma with Abdominal Wall Repair Using Femoral Fascia]. *Gan To Kagaku Ryoho*. 2018 Apr;45(4):661-663. Japanese. PubMed PMID: 29650827.
20. Inoue A, Mizushima T, Wu X, Okuzaki D, Kambara N, Ishikawa S, Wang J, Qian Y, Hirose H, Yokoyama Y, Ikeshima R, Hiraki M, Miyoshi N, **Takahashi H**, Haraguchi N, Hata T, Matsuda C, Doki Y, Mori M, Yamamoto H. A miR-29b Byproduct Sequence Exhibits Potent Tumor-Suppressive Activities via Inhibition of NF- κ B Signaling in KRAS-Mutant Colon Cancer Cells. *Mol Cancer Ther*. 2018 May;17(5):977-987. doi:10.1158/1535-7163.MCT-17-0850. Epub 2018 Mar 15. PubMed PMID: 29545333.
21. Nishizawa Y, Konno M, Asai A, Koseki J, Kawamoto K, Miyoshi N, **Takahashi H**, Nishida N, Haraguchi N, Sakai D, Kudo T, Hata T, Matsuda C, Mizushima T, Satoh T, Doki Y, Mori M, Ishii H. Oncogene c-Myc promotes epitranscriptome m(6)A reader YTHDF1 expression in colorectal cancer. *Oncotarget*. 2017 Dec 21;9(7):7476-7486. doi: 10.18632/oncotarget.23554. eCollection 2018 Jan 26. PubMed PMID: 29484125;PubMed Central PMCID: PMC5800917.
22. Nishizawa Y, Konno M, Asai A, Koseki J, Kawamoto K, Miyoshi N, **Takahashi H**, Nishida N, Haraguchi N, Sakai D, Kudo T, Hata T, Matsuda C, Mizushima T, Satoh T, Doki Y, Mori M, Ishii H. Hypoxia stimulates the cytoplasmic localization of oncogenic long noncoding RNA LINC00152 in colorectal cancer. *Int J Oncol*. 2018 Feb;52(2):453-460. doi: 10.3892/ijo.2017.4218. Epub 2017 Dec 7. PubMed PMID: 29345294.
23. Hagihara K, **Takahashi H**, Miyoshi N, Haraguchi N, Hata T, Matsuda C, Mizushima T, Yamamoto H, Doki Y, Mori M. Case of laparoscopic right hemicolectomy for ascending colon cancer after aortic graft replacement and revascularization of the superior mesenteric artery. *Asian J Endosc Surg*. 2018 Aug;11(3):266-269. doi:10.1111/ases.12461. Epub 2018 Jan 11. PubMed PMID: 29322641.
24. Ikeda A, Mizushima T, Egashira Y, **Takahashi H**, Miyoshi N, Haraguchi N, Hata T, Matsuda C, Doki Y, Mori M. Diverticular colitis with progression to ulcerative colitis after sigmoidectomy. *Clin J Gastroenterol*. 2018 Feb;11(1):42-47. doi:10.1007/s12328-017-0801-9. Epub 2017 Nov 21. PubMed PMID: 29164476.
25. Ohara N, Haraguchi N, Koseki J, Nishizawa Y, Kawai K, **Takahashi H**, Nishimura J, Hata T, Mizushima T, Yamamoto H, Ishii H, Doki Y, Mori M. Low expression of the GOPC is a poor prognostic marker in colorectal cancer. *Oncol Lett*. 2017 Oct;14(4):4483-4490. doi: 10.3892/ol.2017.6817. Epub 2017 Aug 24. PubMed PMID:29085445; PubMed Central PMCID: PMC5649543.

26. Nishizawa Y, Hata T, Takemasa I, Yamasaki M, Akasaka H, Sugimoto K, Tamai K, **Takahashi H**, Haraguchi N, Nishimura J, Matsuda C, Mizushima T, Ikenaga M, Yamamoto H, Murata K, Rakugi H, Doki Y, Mori M. Clinical benefits of single-incision laparoscopic surgery for postoperative delirium in elderly colon cancer patients. *Surg Endosc*. 2018 Mar;32(3):1434-1440. doi:10.1007/s00464-017-5827-z. Epub 2017 Oct 26. PubMed PMID: 29075972.
27. Mizushima T, Fukata T, Takeyama H, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Yamamoto H, Doki Y, Mori M. The features of adipose-derived stem cells in patients with inflammatory bowel diseases. *Surg Today*. 2018 Mar;48(3):352-358. doi: 10.1007/s00595-017-1591-x. Epub 2017 Oct 12. PubMed PMID:29027585.
28. Takeda K, Matsuda C, Takahashi H, Haraguchi N, Nishimura J, Hata T, Mizushima T, Doki Y, Mori M. Conversion during laparoscopic anterior resection for rectal cancer with a congenital solitary pelvic kidney: A case report. *Asian J Endosc Surg*. 2018 Feb;11(1):56-59. doi:10.1111/ases.12415. Epub 2017 Sep 26. PubMed PMID: 28949078.
29. Miyake Y, Mizushima T, Hata T, **Takahashi H**, Hanada H, Shoji H, Nomura M, Haraguchi N, Nishimura J, Matsuda C, Takemasa I, Doki Y, Maeda I, Mori M, Yamamoto H. Inspection of Perirectal Lymph Nodes by One-Step Nucleic Acid Amplification Predicts Lateral Lymph Node Metastasis in Advanced Rectal Cancer. *Ann Surg Oncol*. 2017 Dec;24(13):3850-3856. doi: 10.1245/s10434-017-6069-y. Epub 2017 Sep 18. PubMed PMID: 28924845.
30. Matsuno H, Kayama H, Nishimura J, Sekido Y, Osawa H, Barman S, Ogino T, **Takahashi H**, Haraguchi N, Hata T, Matsuda C, Yamamoto H, Uchino M, Ikeuchi H, Doki Y, Mori M, Takeda K, Mizushima T. CD103+ Dendritic Cell Function Is Altered in the Colons of Patients with Ulcerative Colitis. *Inflamm Bowel Dis*. 2017 Sep;23(9):1524-1534. doi: 10.1097/MIB.0000000000001204. PubMed PMID: 28700533.
31. Hata T, Takemasa I, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Mizushima T, Doki Y, Mori M. Downregulation of serum metabolite GTA-446 as a novel potential marker for early detection of colorectal cancer. *Br J Cancer*. 2017 Jul 11;117(2):227-232. doi: 10.1038/bjc.2017.163. Epub 2017 Jun 20. PubMed PMID:28632728; PubMed Central PMCID: PMC5520513.
32. Ikeshima R, Mizushima T, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Ikenaga M, Nakajima K, Yamamoto H, Murata K, Doki Y, Mori M. The efficacy of active drainage for preventing postoperative organ/space surgical site infections in patients with Crohn's disease. *Surg Today*. 2018 Jan;48(1):25-32. doi: 10.1007/s00595-017-1549-z. Epub 2017 Jun 12. PubMed PMID:28608250.
33. Ohara N, Mizushima T, Iijima H, **Takahashi H**, Hiyama S, Haraguchi N, Inoue T, Nishimura J, Shinzaki S, Hata T, Matsuda C, Yamamoto H, Doki Y, Mori M. Adherence to an elemental diet for

- preventing postoperative recurrence of Crohn's disease. *Surg Today*. 2017 Dec;47(12):1519-1525. doi: 10.1007/s00595-017-1543-5. Epub 2017 May 22. PubMed PMID: 28534264.
34. Mokutani Y, Hata T, Miyake Y, Kuroda H, **Takahashi H**, Haraguchi N, Nishimura J, Mizushima T, Yamamoto H, Doki Y, Mori M. Metastasis from a primary hepatic angiosarcoma to the colon: A case report and literature review. *Oncol Lett*. 2017 Apr;13(4):2765-2769. doi: 10.3892/ol.2017.5755. Epub 2017 Feb 21. PubMed PMID:28454464; PubMed Central PMCID: PMC5403321.
35. Haraguchi N, Ohara N, Koseki J, Takahashi H, Nishimura J, Hata T, Mizushima T, Yamamoto H, Ishii H, Doki Y, Mori M. High expression of ADAMTS5 is a potent marker for lymphatic invasion and lymph node metastasis in colorectal cancer. *Mol Clin Oncol*. 2017 Jan;6(1):130-134. doi: 10.3892/mco.2016.1088. Epub 2016 Nov 21. PubMed PMID: 28123746; PubMed Central PMCID: PMC5244970.
36. Kawai K, Uemura M, Munakata K, Takahashi H, Haraguchi N, Nishimura J, Hata T, Matsuda C, Ikenaga M, Murata K, Mizushima T, Yamamoto H, Doki Y, Mori M. Fructose-bisphosphate aldolase A is a key regulator of hypoxic adaptation in colorectal cancer cells and involved in treatment resistance and poor prognosis. *Int J Oncol*. 2017 Feb;50(2):525-534. doi: 10.3892/ijo.2016.3814. Epub 2016 Dec 20. PubMed PMID: 28000858.
37. Hata T, Mokutani Y, **Takahashi H**, Inoue A, Munakata K, Nagata K, Haraguchi N, Nishimura J, Hata T, Matsuda C, Murata K, Mizushima T, Doki Y, Mori M, Yamamoto H. Identification of microRNA-487b as a negative regulator of liver metastasis by regulation of KRAS in colorectal cancer. *Int J Oncol*. 2017 Feb;50(2):487-496. doi: 10.3892/ijo.2016.3813. Epub 2016 Dec 20. PubMed PMID: 28000854.
38. Ikeshima R, Nishimura J, **Takahashi H**, Haraguchi N, Hata T, Mizushima T, Doki Y, Mori M. A case of adenocarcinoma arising in an ileal diverticulum resected by laparoscopic surgery. *Surg Case Rep*. 2016 Dec;2(1):135. Epub 2016 Nov 17. PubMed PMID: 27858376; PubMed Central PMCID: PMC5114209.
39. Kitahara T, Haraguchi N, **Takahashi H**, Nishimura J, Hata T, Takemasa I, Mizushima T, Yamamoto H, Doki Y, Mori M. Identification and Characterization of CD107a as a Marker of Low Reactive Oxygen Species in Chemoresistant Cells in Colorectal Cancer. *Ann Surg Oncol*. 2017 Apr;24(4):1110-1119. doi:10.1245/s10434-016-5671-8. Epub 2016 Nov 10. PubMed PMID: 27834032.
40. Colvin H, Nishida N, Konno M, Haraguchi N, **Takahashi H**, Nishimura J, Hata T, Kawamoto K, Asai A, Tsunekuni K, Koseki J, Mizushima T, Satoh T, Doki Y, Mori M, Ishii H. Oncometabolite D-2-Hydroxyglurate Directly Induces Epithelial-Mesenchymal Transition and is Associated with Distant Metastasis in Colorectal Cancer. *Sci Rep*. 2016 Nov 8;6:36289. doi: 10.1038/srep36289. PubMed PMID: 27824159; PubMed Central PMCID: PMC5099755.

41. Miyake Y, Nishimura J, **Takahashi H**, Haraguchi N, Hata T, Takemasa I, Mizushima T, Yamamoto H, Doki Y, Mori M. The short-term outcomes of laparoscopic multivisceral resection for locally advanced colorectal cancer: our experience of 39 cases. *Surg Today*. 2017 May;47(5):575-580. doi: 10.1007/s00595-016-1429-y. Epub 2016 Oct 21. PubMed PMID: 27770208.
42. Nishizawa Y, Nishida N, Konno M, Kawamoto K, Asai A, Koseki J, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Matsuda C, Mizushima T, Satoh T, Doki Y, Mori M, Ishii H. Clinical Significance of Histone Demethylase NO66 in Invasive Colorectal Cancer. *Ann Surg Oncol*. 2017 Mar;24(3):841-849. doi:10.1245/s10434-016-5395-9. Epub 2016 Jul 29. PubMed PMID: 27473587.
43. Sueda T, Sakai D, Kudo T, Sugiura T, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Hayashi T, Mizushima T, Doki Y, Mori M, Satoh T. Efficacy and Safety of Regorafenib or TAS-102 in Patients with Metastatic Colorectal Cancer Refractory to Standard Therapies. *Anticancer Res*. 2016 Aug;36(8):4299-306. PubMed PMID: 27466548.
44. Hata T, Mizushima T, Osawa H, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Takemasa I, Ikenaga M, Nakajima K, Yamamoto H, Murata K, Doki Y, Mori M. Short-term outcomes of laparoscopic surgery for Crohn's disease patients treated with anti-tumor necrosis factor alpha agents. *Surg Today*. 2017 Mar;47(3):320-327. doi: 10.1007/s00595-016-1375-8. Epub 2016 Jul 2. PubMed PMID: 27372080.
45. Matsuno H, Mizushima T, Nezu R, Nakajima K, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Yamamoto H, Doki Y, Mori M. Detection of Anorectal Cancer among Patients with Crohn's Disease Undergoing Surveillance with Various Biopsy Methods. *Digestion*. 2016;94(1):24-9. doi: 10.1159/000446799. Epub 2016 Jun 28. PubMed PMID: 27348311.
46. Hata T, Kudo T, Sakai D, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Mizushima T, Yamamoto H, Doki Y, Mori M, Satoh T. Impact of capecitabine and S-1 on anticoagulant activity of warfarin in patients with gastrointestinal cancer. *Cancer Chemother Pharmacol*. 2016 Aug;78(2):389-96. doi:10.1007/s00280-016-3080-0. Epub 2016 Jun 23. PubMed PMID: 27339150.
47. Osawa H, Nishimura J, Hiraki M, **Takahashi H**, Haraguchi N, Hata T, Ikenaga M, Murata K, Yamamoto H, Mizushima T, Doki Y, Mori M. Regeneration of peritoneal mesothelial cells after placement of hyaluronate carboxymethyl-cellulose (Seprafilm(®)). *Surg Today*. 2017 Jan;47(1):130-136. Epub 2016 May 11. PubMed PMID: 27167879.
48. Mokutani Y, Uemura M, Munakata K, Okuzaki D, Haraguchi N, **Takahashi H**, Nishimura J, Hata T, Murata K, Takemasa I, Mizushima T, Doki Y, Mori M, Yamamoto H. Down-Regulation of microRNA-132 is Associated with Poor Prognosis of Colorectal Cancer. *Ann Surg Oncol*. 2016 Dec;23(Suppl 5):599-608. Epub 2016 Feb 11. PubMed PMID: 26868958; PubMed Central PMCID: PMC5149564.

49. Sueda T, Sakai D, Kawamoto K, Konno M, Nishida N, Koseki J, Colvin H, **Takahashi H**, Haraguchi N, Nishimura J, Hata T, Takemasa I, Mizushima T, Yamamoto H, Satoh T, Doki Y, Mori M, Ishii H. BRAF V600E inhibition stimulates AMP-activated protein kinase-mediated autophagy in colorectal cancer cells. *Sci Rep*. 2016 Jan 11;6:18949. doi: 10.1038/srep18949. PubMed PMID: 26750638; PubMed Central PMCID: PMC4707439.
50. Mizushima T, **Takahashi H**, Takeyama H, Naito A, Haraguchi N, Uemura M, Nishimura J, Hata T, Takemasa I, Yamamoto H, Doki Y, Mori M. A clinical trial of autologous adipose-derived regenerative cell transplantation for a postoperative enterocutaneous fistula. *Surg Today*. 2016 Jul;46(7):835-42. doi: 10.1007/s00595-015-1246-8. Epub 2015 Sep 5. PubMed PMID: 26342817.
51. Mokutani Y, Yamamoto H, Uemura M, Haraguchi N, **Takahashi H**, Nishimura J, Hata T, Takemasa I, Mizushima T, Doki Y, Mori M. Effect of particle beam radiotherapy on locally recurrent rectal cancer: Three case reports. *Mol Clin Oncol*. 2015 Jul;3(4):765-769. Epub 2015 Mar 30. PubMed PMID: 26171176; PubMed Central PMCID: PMC4486832.
52. Hiraki M, Nishimura J, **Takahashi H**, Wu X, Takahashi Y, Miyo M, Nishida N, Uemura M, Hata T, Takemasa I, Mizushima T, Soh JW, Doki Y, Mori M, Yamamoto H. Concurrent Targeting of KRAS and AKT by MiR-4689 Is a Novel Treatment Against Mutant KRAS Colorectal Cancer. *Mol Ther Nucleic Acids*. 2015 Mar 10;4:e231. doi:10.1038/mtna.2015.5. PubMed PMID: 25756961; PubMed Central PMCID: PMC4354340.
53. Takeyama H, Yamamoto H, Yamashita S, Wu X, **Takahashi H**, Nishimura J, Haraguchi N, Miyake Y, Suzuki R, Murata K, Ohue M, Kato T, Takemasa I, Mizushima T, Ishii H, Mimori K, Doki Y, Mori M. Decreased miR-340 expression in bone marrow is associated with liver metastasis of colorectal cancer. *Mol Cancer Ther*. 2014 Apr;13(4):976-85. doi: 10.1158/1535-7163.MCT-13-0571. Epub 2014 Jan 21. PubMed PMID: 24448820.
54. Ohtsuka M, Yamamoto H, Oshiro R, **Takahashi H**, Masuzawa T, Uemura M, Haraguchi N, Nishimura J, Hata T, Yamasaki M, Takemasa I, Miyata H, Mizushima T, Takiguchi S, Doki Y, Mori M. Concurrent expression of C4.4A and Tenascin-C in tumor cells relates to poor prognosis of esophageal squamous cell carcinoma. *Int J Oncol*. 2013 Aug;43(2):439-46. doi:10.3892/ijo.2013.1956. Epub 2013 May 24. PubMed PMID: 23708783.
55. Ohtsuka M, Yamamoto H, Masuzawa T, **Takahashi H**, Uemura M, Haraguchi N, Nishimura J, Hata T, Yamasaki M, Miyata H, Takemasa I, Mizushima T, Takiguchi S, Doki Y, Mori M. C4.4A expression is associated with a poor prognosis of esophageal squamous cell carcinoma. *Ann Surg Oncol*. 2013 Aug;20(8):2699-705. doi:10.1245/s10434-013-2900-2. Epub 2013 Feb 24. PubMed PMID: 23435632.

56. Suzuki Y, Haraguchi N, **Takahashi H**, Uemura M, Nishimura J, Hata T, Takemasa I, Mizushima T, Ishii H, Doki Y, Mori M, Yamamoto H. SSEA-3 as a novel amplifying cancer cell surface marker in colorectal cancers. *Int J Oncol*. 2013 Jan;42(1):161-7. doi: 10.3892/ijo.2012.1713. Epub 2012 Nov 22. PubMed PMID: 23175153.

57. Oshiro R, Yamamoto H, **Takahashi H**, Ohtsuka M, Wu X, Nishimura J, Takemasa I, Mizushima T, Ikeda M, Sekimoto M, Matsuura N, Doki Y, Mori M. C4.4A is associated with tumor budding and epithelial-mesenchymal transition of colorectal cancer. *Cancer Sci*. 2012 Jun;103(6):1155-64. doi: 10.1111/j.1349-7006.2012.02263.x. Epub 2012 Apr 11. PubMed PMID: 22404718.