

## Norikatsu Miyoshi

Department of Gastroenterological Surgery  
Osaka University, Graduate School of Medicine  
2-2 Yamadaoka, Suita  
Osaka 565-0871, Japan

e-mail address: [nmiyoshi@gesurg.med.osaka-u.ac.jp](mailto:nmiyoshi@gesurg.med.osaka-u.ac.jp)

e-mail address: [miyosi-no@mc.pref.osaka.jp](mailto:miyosi-no@mc.pref.osaka.jp)

Tel: +81-(0)6-6879-3251

Fax: +81-(0)6-6879-3259

### **PERSONAL INFORMATION:**

Name: Norikatsu Miyoshi

Place of Birth: Japan

Sex: Male

Nationality: Hyogo, Japan

### **EDUCATION:**

4/2007-3/2011 Graduate School of Medicine, Osaka University, Osaka, Japan  
Ph.D. degree in Gastroenterological Surgery

4/1996-3/2002 School of Medicine, Kobe University, Hyogo, Japan  
M.D. degree

### **CLINICAL EXPERIENCE:**

7/2017-present Assistant Professor, Department of Gastroenterological Surgery, Graduate School of Medicine, Osaka University, Japan

7/2017-present Department Head, Department of Innovative Oncology Research and Regenerative Medicine, Osaka International Cancer Institute, Osaka, Japan

4/2017-6/2017 Medical director, Osaka International Cancer Institute, Osaka, Japan

4/2013-3/2017 Medical director, Osaka Medical Center for Cancer and Cardiovascular Diseases, Osaka, Japan

4/2011-3/2013 Post-doctoral fellow, Harvard University, Massachusetts General Hospital, USA

4/2007-3/2011 Senior staff/Graduate Student, Department of Gastroenterological Surgery, Osaka University, Japan

4/2006-3/2007 Residency in Surgery, Seamen's Insurance Hospital, Osaka, Japan

6/2003-3/2006 Residency in Surgery, Osaka Medical Center for Cancer and Cardiovascular

Diseases, Osaka, Japan  
 6/2002-5/2003 Residency in Surgery, Osaka University Hospital, Osaka, Japan

**EDITORIAL ACTIVITIES:**

4/2024-present Annals of Gastroenterological Surgery (Editorial Board Member)  
 5/2022-present Oncology Reports (Editorial Board Member)  
 5/2021-present Molecular Medicine Reports (Editorial Board Member)  
 6/2020-present Molecular and Clinical Oncology (Editorial Board Member)  
 6/2019-present Scientific Reports (Editorial Board Member)  
 8/2014-present American Journal of Cancer Research (Associate Editorial Board Member)  
 3/2011-present PLOS ONE (Editorial Board Member)  
 2/2011-present BMC Gastroenterology (Associate Editor BMC Gastroenterology BMC  
 Gastroenterology, Colorectal Cancer Section)

**MEMBERSHIP:**

03/2021-present Member of the European Association for Endoscopic Surgery  
 11/2018-present International member of the Society of American Gastrointestinal and  
 Endoscopic Surgeons (SAGES)  
 3/2018-present International member of the American Society of Colon and Rectal Surgeons  
 (ASCRS)  
 2/2017-present Active member of the American Association for Cancer Research (AACR)  
 10/2016-present Fellow of the American College of Surgeons (FACS)  
 2/2016-present Fellow of the International College of Surgeons (FICS)

**HONORS and AWARDS:**

2/2022 Princess Takamatsu Cancer Research Fund, Research Grand  
 4/2021 Grant from the Ministry of Education, Culture, Sports, Science, and Technology,  
 Japan (Grant-in-Aid for Scientific Research (C))  
 1/2020 Nakatani Foundation for Advancement of Measuring Technologies in  
 Biomedical Engineering  
 11/2019 Best poster award, ESMO Asia 2019  
 11/2018 Grant from Takeda Science Foundation  
 9/2018 Grant from Mitsui Life Social Welfare Foundation  
 9/2018 Scholarship from MSD  
 4/2018 Grant from the Japan Agency for Medical Research and Development (suppl.)

4/2017	Grant from the Japan Agency for Medical Research and Development
4/2017	Grant from the Ministry of Education, Culture, Sports, Science, and Technology, Japan (Grant-in-Aid for Scientific Research (C))
3/2016	Grant from Osaka Cancer Society
7/2015	Japanese Society of Gastroenterological Surgery Young Award
4/2015	Grant from the Ministry of Education, Culture, Sports, Science, and Technology, Japan (Grant-in-Aid for Young Scientists)
3/2015	Grant from Uehara Memorial Foundation
10/2014	Grant from Takeda Science Foundation
4/2014	Japan Surgical Society Young Researcher Award
12/2014	Grant from Osaka Foundation for the Prevention of Cancer and Cardiovascular Diseases
12/2013	Grant from Yasuda Medical Foundation
11/2013	Medical Research Encouragement Prize of the Japan Medical Association
3/2013	Grant from Kanae Foundation for the Promotion of Medical Science
1/2012	Grant from Mochida Memorial Foundation for Medical and Pharmaceutical Research
11/2010	Grant from Daiichi Sankyo Foundation of Life Science
4/2009	Grant from the Ministry of Education, Culture, Sports, Science, and Technology, Japan (Grant-in-Aid for Young Scientists)

**BIBLIOGRAPHY (first or corresponding author):**

1. Fujino S, Miyoshi N (corresponding author), Takeda T, Dannno K, Takeda M, Sekido Y, Hata T, Hamabe A, Ogino T, Uemura M, Yamamoto H, Murata K, Doki Y, Eguchi H.  
Behavioral changes and delayed colorectal cancer diagnosis during COVID-19: a real-world survey analysis.  
**BMC Gastroenterol.** 2025 Dec;26(1):41.
2. Minami S, Miyoshi N (corresponding author), Fujino S, Yasui M, Ohue M, Takeda H, Sekido Y, Hata T, Hamabe A, Ogino T, Uemura M, Yamamoto H, Doki Y, Eguchi H.  
Role of the circadian clock gene DEC1 in chemosensitivity and apoptosis in colorectal cancer.  
**Anticancer Research.** 2025 June;45(6):2309-2328.
3. Takahashi Y, Ijiri Y, Fujino S, Elnaz N, Kishimoto A, Shirai K, Iwanaga S, Yanakida M, Bhagat AAS, Miyoshi N (corresponding author)

Detection and characterization of circulating tumor cells in colorectal cancer patients via epithelial-mesenchymal transition markers

**Cancers.** 2025 Jan 18;17(2):303

4. Miyoshi N.

Use of AI in diagnosis imaging and future prospects.

**JMA Journal.** 2025 Jan 15;8(1):198-203.

5. Miyoshi N (corresponding author), Uemura M, Noura S, Yasui M, Nishimura J, Tei M, Matsuda C, Morita S, Inoue A, Tamagawa H, Mokutani Y, Yoshioka S, Fujii M, Kato S, Sekido Y, Ogino T, Yamamoto H, Murata K, Doki Y, Eguchi H.

Tolerability and safety assessment of adjuvant chemotherapy with S-1 after limited surgery for T1 or T2 lower rectal cancer.

**Cancers.** 2024 Sep 30;16(19):3360.

6. Haruna K, Minami S, Miyoshi N (corresponding author), Fujino S, Mizumoto R, Toyoda Y, Takeda M, Skido Y, Hata T, Hamabe A, Ogino T, Tei M, Kagawa Y, Uemura M, Doki Y, Eguchi H.

Examination of sarcopenia with obesity as a prognostic factor in patients with colorectal cancer using the psoas muscle mass index

**Cancers.** 2024 Oct;16(19):3429.

7. Ogawa M, Miyoshi N (corresponding author), Tamura S, Masuda M, Matuyama K, Matsuki T, Miyoshi A, Ohishi J, Miyake T.

Ergonomic and sustainable posture for gynecologic laparoscopic surgeons determined based on images analyzed using artificial intelligence

**Biomedical Reports.** 2024 (accepted)

8. Toyoda Y, Hayashi R, Miyoshi N (corresponding author), Mizumoto R, Haruna K, Kato S, Minami S, Takeda M, Skido Y, Hata T, Hamabe A, Ogino T, Tei M, Kagawa Y, Uemura M, Doki Y, Eguchi H.

A case of transanal endoscopic excision for rectal tumor using surgical instruments with multi-jointed structures

**In Vivo.** 2024;38(5):2565-2569.

9. Mizumoto R, Miyoshi N (corresponding author), Hayashi R, Kato S, Minami S, Takeda M, Skido Y, Hata T, Hamabe A, Ogino T, Tei M, Kagawa Y, Uemura M, Doki Y, Eguchi H.  
Usefulness of a powered circular stapler compared to a manual circular stapler in patients undergoing colorectal cancer surgery: a retrospective cohort study and systematic review.  
**Oncology Letters**. 2024 Aug;28(5):507.
  
10. Mizumoto R, Miyoshi N (corresponding author), Inoue T, Nakagawa S, Skido Y, Hata T, Hamabe A, Ogino T, Takahashi H, Tei M, Kagawa Y, Uemura M, Doki Y, Eguchi H.  
Laparoscopic colectomy for cecal cancer and intestinal malrotation: A case report.  
**Cancer Diagnosis & Prognosis**. 2024 May;4(3):264-269.
  
11. Mori R, Miyoshi N (corresponding author), Fujino S, Mizushima T, Yukimoto R, Ogino T, Takahashi H, Uemura M, Doki Y, Eguchi H.  
Investigation of expanded human adipose-derived stem cell diagnosis and timing for improved defecation function  
**In Vivo**. 2024 Mar;38:546-558.
  
12. Fujino S, Miyoshi N (corresponding author), Horie M, Yachida S, Sasaki M, Sekido Y, Hata T, Hamabe A, Ogino T, Takahashi H, Uemura M, Yamamoto H, Doki Y, Eguchi H.  
Metastases and treatment-resistant lineages in patient-derived cancer cells of colorectal cancer  
**Communication Biology** 2023 Nov 24;6(1):1191.
  
13. Miyoshi N (corresponding author), Fujino S, Clinical Study Group of Osaka University, Colorectal Cancer Treatment Group (CSGOCG)  
Triclosan-coated sutures to reduce surgical site infection in abdominal gastrointestinal surgery  
**Surgery Open Science**. 2023 Sep 14;16:73-76.
  
14. Nagae A, Miyoshi N (corresponding author), Fujino S, Horie M, Yachida S, Sasaki M, Sekido Y, Hata T, Hamabe A, Ogino T, Takahashi H, Uemura M, Yamamoto H, Doki Y, Eguchi H.  
Cancer stem cells persist despite cellular damage, emergence of the refractory cell population  
**Annals of Surgical Oncology**. 2023 Oct; 30(11):6913-6924.
  
15. Kato S, Miyoshi N (corresponding author), Fujino S, Minami S, Nagae A, Hayashi R, Sekido Y, Hata T, Hamabe A, Ogino T, Takahashi H, Uemura M, Yamamoto H, Doki Y, Eguchi H.  
Treatment response prediction of neoadjuvant chemotherapy for rectal cancer by deep learning of colonoscopy images

- Oncology Letters.** 2023 Sep 20;26(5):474.
16. Hayashi R, Miyoshi N (corresponding author), Fujino S, Minami S, Kato S, Sekido Y, Takeda M, Hata T, Hamabe A, Ogino T, Uemura M, Yamamoto H, Doki Y, Eguchi H.  
Surgery for rectal cancer with mixed reality of 3D model during operation: A case report  
**Cancer Diagnosis & Prognosis.** 2023 Sep 3;3(5):597-600.
  17. Fujino S, Yasui M, Ohue M, Miyoshi N (corresponding author).  
Efficacy of transanal drainage tube in preventing anastomotic leakage after surgery for rectal cancer: A meta-analysis.  
**World Journal of Gastrointestinal Surgery.** 2023 Jun; 15(6):1202-1210.
  18. Fujino S, Miyoshi N (corresponding author), Kitakaze M, Yasui M, Ohue M, Osawa H, Ide Y, Sueda T, Tei M, Teakada T, Dannno K, Suzuki Y, Noura S, Ohshima K, Morii E, Takahashi H, Uemura M, Yamamoto H, Murata K, Doki Y, Eguchi H.  
Lymph node metastasis in T1 colorectal cancer: Risk factors and prediction model.  
**Oncology Letters.** 2023 Mar; 25(5):191.
  19. Hayase S, Miyoshi N (corresponding author), Fujino S, Yasui M, Ohue M, Minami S, Kato S, Nagae A, Sekido Y, Hata T, Hamabe A, Ogino T, Takahashi H, Uemura M, Yamamoto H, Doki Y, Eguchi H.  
Fibroblasts activation protein and tertiary lymphoid structure in colorectal cancer recurrence.  
**Anticancer Research.** 2022 Dec;42(12):5897-5907.
  20. Minami S, Saso K, Miyoshi N (corresponding author), Fujino S, Ogino T, Takahashi H, Uemura M, Yamamoto H, Doki Y, Eguchi H.  
Diagnosis of depth of submucosal invasion in colorectal cancer with AI using deep learning.  
**Cancers.** 2022 Oct 31;14(21):5361
  21. Kato S, Miyoshi N (corresponding author), Fujino S, Minami S, Matsuda C, Yasui M, Ohue M, Sekido Y, Hata T, Ogino T, Takahashi H, Uemura M, Yamamoto H, Doki Y, Eguchi H.  
Combined inflammation and nutrition factors reinforce the prognostic prediction for stage III colorectal cancer patients  
**Anticancer Research.** 2022 Oct;42(10):4989-4999.

22. Minami S, Miyoshi N (corresponding author), Fujino S, Kato S, Sekido Y, Hata T, Ogino T, Takahashi H, Uemura M, Yamamoto H, Doki Y, Eguchi H.  
The geriatric nutrition index as a prognosis predictor in patients with rectal cancer receiving neoadjuvant chemotherapy  
**Anticancer Research**. 2022 Jul;42(7):3759-3766.
23. Tsuchihashi K, Miyoshi N (corresponding author), Fujino S, Kitakaze M, Ohue M, Danno K, Nakamichi I, Ohshima K, Mori E, Uemura M, Doki Y, Eguchi H.  
Risk factors for predicting lymph node metastasis in submucosal colorectal cancer  
**Journal of the Anus, Rectum and Colon**. 2022 Jul 28;6(3):181-189.
24. Kato A, Miyoshi N (corresponding author), Ohtsuru T, Sakai D, Hasegawa J, Nakata K, Imasato M, Kato T, Ikenaga M, Kudo T, Tei M, Kagawa Y, Uemura M, Takahashi H, Sato T, Mori M, Mizushima T, Yamamoto H, Murata K, Doki Y, Eguchi H.  
A phase II study of dose-reductive ELOX plus bevacizumab in elderly or vulnerable patients with metastatic colorectal cancer (MCSGO-1202)  
**Anticancer Research**. 2022 Apr;42(4):1859-1865.
25. Miyoshi N (corresponding author), Fujino S, Kitakaze M, Takahashi Y, Nishimura J, Noura S, Suzuki Y, Ueda M, Takahashi H, Uemura M, Matsuda C, Fujii M, Ohno Y, Yamamoto H, Mizushima T, Murata K, Doki Y, Eguchi H, Clinical Study Group of Osaka University, Colorectal Cancer Treatment Group (CSGOCG)  
Effectiveness of triclosan-coated sutures compared to uncoated sutures in preventing surgical site infections after abdominal wall closure in open/laparoscopic colorectal surgery  
**Journal of the American College of Surgeons**. 2022 Jun 1;234(6):1147-1159.
26. Paku M, Miyoshi N (corresponding author), Fujino S, Hata T, Ogino T, Takahashi H, Uemura M, Mizushima T, Yamamoto H, Doki Y, Eguchi H.  
Development and evaluation of a Japanese prediction model for low anterior resection syndrome after rectal cancer surgery  
**BMC Gastroenterology**. 2022 May 13;22(1):239.
27. Yukimoto R, Miyoshi N (corresponding author), Fujino S, Mori R, Ogino T, Takahashi H, Uemura M, Mizushima T, Doki Y, Eguchi H.  
Usefulness of an anal sphincter injury mouse model by means of a balloon catheter and a new method of evaluating anal sphincter function

**Annals of Gastroenterological Surgery.** 2022 Mar; 6(2):282-287.

28. Fujino S, Miyoshi N (corresponding author), Ito A, Yasui M, Matsuda C, Ohue M, Uemura M, Mizushima T, Doki Y, Eguchi H.  
HNF1A regulates colorectal cancer progression and drug resistance as a downstream of POU5F1  
**Scientific Reports.** 2021 May 14;11(1):10363.
29. Miyoshi N, Haraguchi N, Mizushima T, Ishii H, Yamamoto H, Mori M.  
Targeting cancer stem cells in refractory cancer  
**Regenerative Therapy.** 2021 Feb 5;17:13-19.
30. Miyoshi N (corresponding author), Ohue M, Yasui M, Takahashi Y, Fujino S, Wada Y, Sugimura K, Tomokuni A, Akita H, Kobayashi S, Takahashi H, Omori T, Fujiwara Y, Yano M.  
Prognostic prediction models for liver metastasis and overall survival in colorectal cancer patients  
**International Surgery.** 2021;105:442:448.
31. Ishikawa S, Miyoshi N (corresponding author), Fujino S, Ogino T, Takahashi H, Uemura M, Yamamoto H, Mizushima T, Doki Y, Eguchi H.  
Validation of the Conventional Glasgow Prognostic Score and Development of the Improved Glasgow Prognostic Score in Patients with Stage 0-III Colorectal Cancer After Curative Resection  
**Annals of Gastroenterological Surgery.** 2021 Mar 2;5(3):345-353.
32. Fujino S, Miyoshi N (corresponding author), Ito A, Yasui M, Ohue M, Ogino T, Takahashi, Uemura N, Matsuda C, Mizushima T, Doki Y, Eguchi H.  
Crenolanib regulates ERK and AKT/mTOR signaling pathways in RAS/BRAF-mutated colorectal cancer cells and organoids  
**Molecular Cancer Research.** 2021 May;19(5):812-822.
33. Kitakaze M, Miyoshi N (corresponding author), Fujino S, Ogino T, Takahashi H, Uemura M, Mizushima T, Doki Y, Eguchi H.  
Surgical resection for pelvic retroperitoneal mass for a suspected case of Castleman disease: A case report and review literature  
**Biomedical Reports.** 2021 Mar;14(3):29.

34. Nagano S, Miyoshi N (corresponding author), Fujino S, Mizushima T, Mori M, Doki Y.  
Laparoscopic resection of a large nonadrenal ganglioneuroma adhered to the aorta and inferior mesenteric artery. A case report and literature review  
**International Journal of Surgery Case Reports**. 2021 Jan;78:16-20.
  
35. Sasaki M, Miyoshi N (corresponding author), Fujino S, Saso K, Ogino T, Takahashi H, Uemura M, Yamamoto H, Matsuda C, Yasui M, Ohue M, Mizushima T, Doki Y, Eguchi H.  
The meiosis-specific component stromal antigen 3 promotes cell migration and chemotherapeutic resistance in colorectal cancer  
**Cancer Letters**. 2021 Jan 28;497:112-122.