

Curriculum vitae

Jeonghyun Kang, M.D., Ph.D., FACS

Position: Associate professor, Division of Colorectal Surgery, Department of Surgery, Yonsei University College of Medicine, Seoul, Republic of Korea

Address: 29, Eonju-ro 63-gil, Gangnam-gu, Seoul, 06220 Republic of Korea
Research Center Annex for Future Medicine, Yonsei University College of Medicine, Room 404

E-mail: ravic@yuhs.ac / ravic@naver.com

Nationality:

Korea, Republic of

Education:

1995.3 – 2001.2 Yonsei University, Seoul, Korea - Bachelor's Degree, Medicine
2005.3 – 2008.8 Yonsei University, Seoul, Korea - Master's Degree, Medicine
2009.9 – 2018.2 Yonsei University, Seoul, Korea - Ph.D., Medicine

Training and Professional Experience:

2001.3 – 2002.2 YoungDong (Gangnam) Severance Hospital, Seoul, Korea - Internship
2002.3 – 2006.2 Severance Hospital, Seoul, Korea - Residency, General Surgery
2006.5 – 2009.4 Public Health Doctor, Chungbuk Province (alternative for military service)
2009.5 – 2011.2 Severance Hospital, Seoul, Korea - Fellowship, Colorectal Surgery
2011.3 – 2012.2 Dept. of Surgery, Gachon University - Clinical Assistant Professor
2012.3 – 2015.2 Dept. of Surgery, Yonsei University - Clinical Assistant Professor
2015.3 – 2019.2 Dept. of Surgery, Yonsei University - Assistant Professor
2018.3 – 2020.2 Dept. of Quantitative Health Sciences, Cleveland Clinic, Cleveland, OH.
Visiting Researcher / Research Scholar (PI: Tae Hyun Hwang, Ph.D.)
2019.3 – Present Dept. of Surgery, Yonsei University - Associate Professor

License:

2001 Korean Medical License
2006 Board of Korean General Surgery
2014 Subspecialty Board of Colorectal Surgery

Overseas Observatory Training:

2010. 11 Clinical observation, Osaka Medical College, Osaka, Japan
2012. 10 Clinical observation, Tsujinaka Hospital Kashiwanoha, Chiba, Japan
2014. 10 Postgraduate Course, St. Mark Hospital, London, UK
2015. 5 MedStar Washington Hospital Center, Washington, USA (Dr. Sugarbaker)

Academic activities:

Associate Editor, Annals of Surgical Treatment and Research
Member, Korean Surgical Society
Member, Korean Society of Coloproctology
Member, Korean Cancer Association
Member, Korean Society of Surgical Oncology
Member, Korean Society of Endoscopic & Laparoscopic Surgeons
Fellow, American College of Surgeons (FACS)
Member, American Association for Cancer Research (AACR)
Member, European Association for Endoscopic Surgery and other interventional techniques

Honors and Awards:

| | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2022, Nov | Best Academic Achievements Award for Professor in Gangnam Severance Hospital, Yonsei University College of Medicine |
| 2021, April | 2021 Most Devotional Reviewer, <i>Annals of Coloproctology</i> , The Korean Society of Coloproctology |
| 2020, Dec | 2020 <i>Best Teacher Award</i> , In-Seok Award, Department of Surgery, Yonsei University College of Medicine |
| 2020, Nov | Outstanding Academic Achievement Award for Associate Professor, Lee Yong Pyo Award, Department of Surgery, Yonsei University College of Medicine |
| 2020, Nov | 2020 Best Reviewer of the <i>Annals of Surgical Treatment and Research</i> , Korean Surgical Society |
| 2020, June | 2020 Best Reviewer Awardees of <i>Cancer Research and Treatment</i> , Korean Cancer Association |
| 2014, Oct | Best Academic Achievements Award for Professor in Gangnam Severance Hospital, Yonsei University College of Medicine |
| 2014, May | Outstanding Academic Achievement Award for Assistant Professor, Department of Surgery, Yonsei University College of Medicine |
| 2012, April | Roche Journal Award for Academic Research, Outstanding Article for International Journal, the Korean Society of Coloproctology |
| 2011, May | Outstanding Academic Achievement Award for Fellow, Department of Surgery, Yonsei University College of Medicine |
| 2010, March | Roche Journal Award for Academic Research, Outstanding Article for Journal of the Korean Society of Coloproctology, the Korean Society of Coloproctology |
| 2009, Nov | 20th Asia-pacific Cancer Conference Travel Award, Korean Cancer Association |

Research Interests:

In patients with colorectal cancer,

- Application of machine learning and deep learning algorithms and integration of clinicopathological, radiologic and genomic data with clinical outcomes
- Body compositions as surrogate markers for prognosis
- Meta-analysis for surgical decision making

Publications:

ORCID: <http://orcid.org/0000-0001-7311-6053>

SCOPUS h-index: 22

A. Original and Review articles – as First or Corresponding author

1. Jo Y, Lee JH, Cho ES, Lee HS, Shin SJ, Park EJ, Baik SH, Lee KY, **Kang J**. Clinical Significance of Early Carcinoembryonic Antigen Change in Patients With Nonmetastatic Colorectal Cancer. **Front Oncol**. 2022 May 9;12:739614. **(Corresponding author)**
2. **Kang J**, Kim H, Park H, Lee B, Lee KY. Risk factors and economic burden of postoperative anastomotic leakage related events in patients who underwent surgeries for colorectal cancer. **PLoS One**. 2022 May 18;17(5):e0267950.
3. Xu H, Cha YJ, Clemenceau JR, Choi J, Lee SH*, **Kang J***, Hwang TH*. Spatial analysis of tumor-infiltrating lymphocytes in histological sections using deep learning techniques predicts survival in colorectal carcinoma. **J Pathol Clin Res**. 2022 Jul;8(4):327-339. **(*Co-Corresponding author)**
4. Koh HH, Cho ES, Lee JH, Shin SJ, Lee HS, Park EJ, Baik SH, Lee KY, **Kang J**. Association of Albumin-Bilirubin Grade and Myosteatosis with its Prognostic Significance for Patients

- with Colorectal Cancer. **Ann Surg Oncol.** 2022 Jun;29(6):3868-3876. **(Corresponding author)**
5. Lee SY, Chung E, Cho ES, Lee JH, Park EJ, Shin SJ, Baik SH, Lee KY, **Kang J.** The Clinical Impact of Combining Neutrophil-to-Lymphocyte Ratio with Sarcopenia for Improved Discrimination of Progression-Free Survival in Patients with Colorectal Cancer. **J Clin Med.** 2022 Jan 15;11(2):431. **(Corresponding author)**
 6. Lee D, Kim NW, Kim JY, Lee JH, Noh JH, Lee H, Jeong JW, Lee S, **Kang J.** Sarcopenia's Prognostic Impact on Patients Treated with Immune Checkpoint Inhibitors: A Systematic Review and Meta-Analysis. **J Clin Med.** 2021 Nov 16;10(22):5329. **(Corresponding author)**
 7. Lee JH, Kim S, Lee HS, Park EJ, Baik SH, Jeon TJ, Lee KY, Ryu YH, **Kang J.** Different prognostic impact of glucose uptake in visceral adipose tissue according to sex in patients with colorectal cancer. **Sci Rep.** 2021 Nov 3;11(1):21556. **(Corresponding author)**
 8. Lee S, Lee DH, Lee JH, Shin SJ, Lee HS, Park EJ, Baik SH, Lee KY, **Kang J.** Association of Body Mass Index with Survival in Asian Patients with Colorectal Cancer. **Cancer Res Treat.** 2022 Jul;54(3):860-872. **(Corresponding author)**
 9. Kim JM, Chung E, Cho ES, Lee JH, Shin SJ, Lee HS, Park EJ, Baik SH, Lee KY, **Kang J.** Impact of subcutaneous and visceral fat adiposity in patients with colorectal cancer. **Clin Nutr.** 2021 Nov 11;40(11):5631-5638. **(Corresponding author)**
 10. Park IK, Yang SS, Chung E, Cho ES, Lee HS, Shin SJ, Im YC, Park EJ, Baik SH, Lee KY, **Kang J.** Skeletal muscle gauge as a prognostic factor in patients with colorectal cancer. **Cancer Med.** 2021 Dec;10(23):8451-8461. **(Corresponding author)**
 11. Kim JH, Lee JH, Lee HS, Shin SJ, Park EJ, Cho ES, Baik SH, Lee KY, **Kang J.** Elevated Neutrophil-to-Lymphocyte Ratio in Perioperative Periods is Suggestive of Poor Prognosis in Patients with Colorectal Cancer. **J Inflamm Res.** 2021 Sep 7;14:4457-4466. **(Corresponding author)**
 12. Osman MH, Mohamed RH, Sarhan HM, Park EJ, Baik SH, Lee KY, **Kang J.** Machine Learning Model for Predicting Postoperative Survival of Patients with Colorectal Cancer. **Cancer Res Treat.** 2022 Apr;54(2):517-524. **(Corresponding author)**
 13. Lee JH, Lee HS, Kim S, Park EJ, Baik SH, Jeon TJ, Lee KY, Ryu YH, **Kang J.** Prognostic significance of bone marrow and spleen ¹⁸F-FDG uptake in patients with colorectal cancer. **Sci Rep.** 2021 Jun 9;11(1):12137. **(Corresponding author)**
 14. **Kang J,** Lee JH, Lee HS, Cho ES, Park EJ, Baik SH, Lee KY, Park C, Yeu Y, Clemenceau JR, Park S, Xu H, Hong C, Hwang TH. Radiomics Features of ¹⁸F-Fluorodeoxyglucose Positron-Emission Tomography as a Novel Prognostic Signature in Colorectal Cancer. **Cancers (Basel).** 2021 Jan 21;13(3):392. doi: 10.3390/cancers13030392. **(Co-Corresponding author)**
 15. **Kang J***, Choi YJ*, Kim IK, Lee HS, Kim H, Baik SH, Kim NK, Lee KY. LASSO-Based Machine Learning Algorithm for Prediction of Lymph Node Metastasis in T1 Colorectal Cancer. **Cancer Res Treat.** 2021 Jul;53(3):773-783. **(*Co-First author)**
 16. Son W, Shin SJ, Park SH, Lee SK, Park EJ, Baik SH, Lee KY, **Kang J.** Clinical Impact of Combined Modified Glasgow Prognostic Score and C-Reactive Protein/Albumin Ratio in Patients with Colorectal Cancer. **Diagnostics (Basel).** 2020 Oct 22;10(11):E859. doi: 10.3390/diagnostics10110859. **(Corresponding author)**
 17. Lee CM, **Kang J.** Prognostic impact of myosteatorsis in patients with colorectal cancer: a systematic review and meta-analysis. **J Cachexia Sarcopenia Muscle.** 2020 Oct;11(5):1270-1282. doi: 10.1002/jcsm.12575. **(Corresponding author)**
 18. Chung E, Lee HS, Cho ES, Park EJ, Baik SH, Lee KY, **Kang J.** Prognostic significance of sarcopenia and skeletal muscle mass change during preoperative chemoradiotherapy in locally advanced rectal cancer. **Clin Nutr.** 2020 Mar;39(3):820-828. **(Corresponding author)**

19. Chung E, Lee HS, Cho ES, Park EJ, Baik SH, Lee KY, **Kang J**. Changes in Body Composition During Adjuvant FOLFOX Chemotherapy and Overall Survival in Non-Metastatic Colon Cancer. **Cancers (Basel)**. 2019 Dec 24;12(1). pii: E60. **(Corresponding author)**
20. Kim JY, Kronbichler A, Eisenhut M, Hong SH, van der Vliet HJ, **Kang J***, Shin JI*, Gamerith G. Tumor Mutational Burden and Efficacy of Immune Checkpoint Inhibitors: A Systematic Review and Meta-Analysis. **Cancers (Basel)**. 2019 Nov 15;11(11). pii: E1798. **(*Co-Corresponding authors)**
21. Yang SU, Park EJ, Baik SH, Lee KY, **Kang J**. Modified Colon Leakage Score to Predict Anastomotic Leakage in Patients Who Underwent Left-Sided Colorectal Surgery. **J Clin Med**. 2019 Sep 12;8(9). pii: E1450. **(Corresponding author)**
22. **Kang J**, Park MC, Kim J, Hur H, Min BS, Baik SH, Lee KY, Kim NK. Prediction of tumor response of rectal cancer cells via 3D cell culture and in vitro cytotoxicity assay before initiating preoperative chemoradiotherapy. **Oncol Lett**. 2019 Oct;18(4):3863-3872.
23. Cha YJ, Park EJ, Baik SH, Lee KY, **Kang J**. Clinical significance of tumor-infiltrating lymphocytes and neutrophil-to-lymphocyte ratio in patients with stage III colon cancer who underwent surgery followed by FOLFOX chemotherapy. **Sci Rep**. 2019 Aug 12;9(1):11617. **(Corresponding author)**
24. **Kang J**, Chong S, Park EJ, Baik SH, Lee KY. Safety and feasibility of in-hospital early chemotherapy initiation after surgery in patients with stage II–IV colon cancer. **Medicine (Baltimore)**. 2019 May;98(18):e15371. **(Corresponding author)**
25. Cha YJ, Park EJ, Baik SH, Lee KY, **Kang J**. Prognostic impact of persistent lower neutrophil-to-lymphocyte ratio during preoperative chemoradiotherapy in locally advanced rectal cancer patients: A propensity score matching analysis. **PLoS One**. 2019 Mar 22;14(3):e0214415. **(Corresponding author)**
26. Chung E, Kang D, Lee HS, Cho ES, Kim JH, Park EJ, Baik SH, Lee KY, **Kang J**. Accuracy of pelvic MRI in measuring tumor height in rectal cancer patients with or without preoperative chemoradiotherapy. **Eur J Surg Oncol**. 2019 Mar;45(3):324-330 **(Corresponding author)**
27. **Kang J**, Park JS, Ahn SG, Lim JH, Baik SH, Yoon DS, Lee KY, Jeong J. Protective effect of Korean red ginseng on oxaliplatin-mediated splenomegaly in colon cancer. **Ann Surg Treat Res**. 2018 Sep;95(3):161-167
28. Kim IK, **Kang J**, Baik SH, Lee KY, Kim NK, Sohn SK. Impact of prior abdominal surgery on postoperative prolonged ileus after ileostomy repair. **Asian J Surg**. 2018 Jan;41(1):86-91. **(Corresponding author)**
29. Park S, **Kang J**, Park EJ, Baik SH, Lee KY. Laparoscopic and Robotic Surgeries for Patients With Colorectal Cancer Who Have Had a Previous Abdominal Surgery **Ann Coloproctol**. 2017;33(5):184-191 **(Corresponding author)**
30. Chung E, **Kang J**, Baik SH, Lee KY. Impact of Resected Colon Site on Quality of Bowel Preparation in Patients Who Underwent Prior Colorectal Resection. **Surg Laparosc Endosc Percutan Tech**. 2017 Aug;27(4):290-294. **(Corresponding author)**
31. **Kang J**, Baik SH, Lee KY, Sohn SK. Outcomes of laparoscopic surgery in pathologic T4 colon cancers compared to those of open surgery. **Int J Colorectal Dis**. 2017 Apr;32(4):531-538 **(Corresponding author)**
32. **Kang J**, Park YA, Baik SH, Sohn SK, Lee KY. A Comparison of Open, Laparoscopic, and Robotic Surgery in the Treatment of Right-sided Colon Cancer. **Surg Laparosc Endosc Percutan Tech**. 2016 Dec;26(6):497-502.
33. Kim IK, **Kang J**, Baik SH, Lee KY, Sohn SK. The efficacy of cap-assisted colonoscopy performed by a single endoscopist in patients after colorectal resection. **Medicine (Baltimore)**. 2016 Sep;95(37):e4869. **(Corresponding author)**
34. Jung YB, **Kang J**, Park EJ, Baik SH, Lee KY. Time to Initiation of Adjuvant Chemotherapy in Colon Cancer: Comparison of Open, Laparoscopic, and Robotic Surgery. **J Laparoendosc Adv Surg Tech A**. 2016 Oct;26(10):799-805. **(Corresponding author)**

35. Kim JK, **Kang J**, Kim WR, Park EJ, Baik SH, Lee KY. Does Conversion Adversely Impact the Clinical Outcomes for Patients with Complicated Appendicitis? **J Laparoendosc Adv Surg Tech A**. 2016 Aug;26(8):635-640. **(Corresponding author)**
36. Lee JH, **Kang J**, Baik SH, Lee KY, Lim BJ, Jeon TJ, Ryu YH, Sohn SK. Relationship Between 18F-Fluorodeoxyglucose Uptake and V-Ki-Ras2 Kirsten Rat Sarcoma Viral Oncogene Homolog Mutation in Colorectal Cancer Patients: Variability Depending on C-Reactive Protein Level. **Medicine (Baltimore)**. 2016 Jan;95(1):e2236. **(Corresponding author)**
37. **Kang J**. Investigation of awareness with respect to hospitalist based on questionnaire by surgical residents and fellow in a single center. **Korean J Clin Oncol**. 2015 Dec;11(2):74-79 [Korean] **(Corresponding author)**
38. **Kang J**, Park HS, Kim IK, Song Y, Baik SH, Sohn SK, Lee KY. Effect of preoperative colonoscopic tattooing on lymph node harvest in T1 colorectal cancer. **Int J Colorectal Dis**. 2015 Oct;30(10):1349-55.
39. **Kang J**, Choi GS, Oh JH, Kim NK, Park JS, Kim MJ, Lee KY, Baik SH. Multicenter Analysis of Long-Term Oncologic Impact of Anastomotic Leakage After Laparoscopic Total Mesorectal Excision: The Korean Laparoscopic Colorectal Surgery Study Group. **Medicine (Baltimore)**. 2015 Jul;94(29):e1202.
40. **Kang J**, Lee HW, Kim IK, Kim NK, Sohn SK, Lee KY. Clinical implications of microsatellite instability in T1 colorectal cancer. **Yonsei Med J**. 2015 Jan 1;56(1):175-81.
41. Lim SH, **Kang J**, Song Y, Kim IK. Laparoscopic Appendectomy: Is There a Learning Curve after Completion of Colorectal Fellowships Training? **J Minim Invasive Surg** 2014 Dec; 17(4): 75-79. [Korean] **(Corresponding author)**
42. Cho M, **Kang J**, Kim IK, Lee KY, Sohn SK. Underweight body mass index as a predictive factor for surgical site infections after laparoscopic appendectomy. **Yonsei Med J**. 2014 Nov 1;55(6):1611-1616. **(Corresponding author)**
43. **Kang J**, Kim IK, Kang SI, Sohn SK, Lee KY. Laparoscopic right hemicolectomy with complete mesocolic excision. **Surg Endosc**. 2014 Sep;28(9):2747-51.
44. **Kang J**, Lee HB, Cha JH, Hur H, Min BS, Baik SH, Kim NK, Sohn SK, Lee KY. Feasibility and Impact on Surgical Outcomes of Modified Double-Stapling Technique for Patients Undergoing Laparoscopic Anterior Resection. **J Gastrointest Surg**. 2013 Apr;17(4):771-775.
45. **Kang J**, Park MG, Hur H, Min BS, Lee KY, Kim NK. Safety and Efficacy of the NiTi Shape Memory Compression Anastomosis Ring (CAR/ColonRing) for End-to-End Compression Anastomosis in Anterior Resection or Low Anterior Resection. **Surg Innov**. 2013 Apr;20(2):164-170.
46. **Kang J**, Baek JH, Lee WS, Cho TH, Lee JN, Lee WK, Chung M. Clinical manifestations of abdominal wall endometriosis: a single center experience. **Arch Gynecol Obstet**. 2013 Feb;287(2):301-305.
47. **Kang J**, Yoon KJ, Min BS, Hur H, Baik SH, Kim NK, Lee KY. The Impact of Robotic Surgery for Mid and Low Rectal Cancer: A Case-Matched Analysis of 3-Arm Comparison--Open, Laparoscopic, and Robotic Surgery. **Ann Surg**. 2013 Jan;257(1):95-101.
48. **Kang J**, Kim H, Hur H, Min BS, Baik SH, Lee KY, Sohn SK, Kim NK. Circumferential Resection Margin Involvement in Stage III Rectal Cancer Patients Treated with Curative Resection Followed by Chemoradiotherapy: A Surrogate Marker for Local Recurrence? **Yonsei Med J**. 2013 Jan 1;54(1):131-138.
49. **Kang J**, Lee KY. Current status of Robotic Rectal Cancer Surgery. **Colorectal Cancer**. 2012 Dec;1(6):525-535.
50. **Kang J**, Jang SM, Baek JH, Lee WS, Cho TH. Short-term Results and Long-term Oncologic Outcomes between Neoadjuvant Chemoradiotherapy and Adjuvant Postoperative Chemoradiotherapy for Stage III Rectal Cancer: A Case-matched Study. **Ann Surg Oncol**. 2012 Aug;19(8):2494-2499.
51. **Kang J**, Baek SE, Kim T, Hur H, Min BS, Lim JS, Kim NK, Lee KY. Impact of fat obesity on laparoscopic total mesorectal excision: more reliable indicator than body mass index. **Int J**

- Colorectal Dis.** 2012 Apr;27(4):497-505.
52. **Kang J**, Hur H, Min BS, Lee KY, Kim NK. Robotic Coloanal Anastomosis with or without Intersphincteric Resection for Low Rectal Cancer: Starting with the Perianal Approach Followed by Robotic Procedure. **Ann Surg Oncol.** 2012 Jan;19(1):154-155.
 53. **Kang J**, Min BS, Hur H, Kim NK, Lee KY. Transanal specimen extraction in robotic rectal cancer surgery. **Br J Surg.** 2012 Jan;99(1):133-136.
 54. **Kang J**, Min BS, Park YA, Hur H, Baik SH, Kim NK, Sohn SK, Lee KY. Risk Factor Analysis of Postoperative Complications After Robotic Rectal Cancer Surgery. **World J Surg.** 2011 Nov;35(11):2555-2562.
 55. **Kang J**, Hur H, Min BS, Lee KY, Kim NK. Prognostic impact of the Lymph node ratio in rectal cancer patients who underwent preoperative chemoradiation. **J Surg Oncol.** 2011 Jul 1; 104(1):53-58.
 56. **Kang J**, Lee KY. Robotic rectal cancer surgery: technique of abdomino-perineal resection. **J Robotic Surg.** 2011 Mar; 5(1):43-46.
 57. **Kang J**, Hur H, Min BS, Kim NK, Lee KY. Prognostic Impact of Inferior Mesenteric Artery Lymph Node Metastasis in Colorectal Cancer. **Ann Surg Oncol.** 2011 Mar; 18(3):704-710.
 58. **Kang J**, Lee KY. Robotic Colorectal Surgery; Where are we right now? **Proceedings of the Institution of Mechanical Engineers Part C - Journal of Mechanical Engineering Science.** 2010 Jul; 224(7):1415-1419.
 59. **Kang J**, Min BS, Park YA, Kim NK, Sohn SK, Cho CH, Lee KY. Mucinous Histology as a Predictive Marker of 5-Fluorouracil-based Adjuvant Chemotherapy for Colon Cancer. **J Korean Soc Coloproctol** 2009;25(4):241-247. [Korean]
 60. **Kang JH***, Kim YC, Kim H, Kim YW, Hur H, Kim JS, Min BS, Kim H, Lim JS, Seong J, Keum KC, Kim NK. Tumor Volume Changes Assessed by Three-Dimensional Magnetic Resonance Volumetry in Rectal Cancer Patients After Preoperative Chemoradiation: The Impact of the Volume Reduction Ratio on the Prediction of Pathologic Complete Response. **Int J Radiat Oncol Biol Phys.** 2010 Mar; 76(4):1018-1025.
 61. **Kang JH***, Park YA, Baik SH, Lee KY, Kim NK, Sohn SK, Cho CH. Safety and Feasibility of Laparoscopic Low Anterior Resection in Early Learning Curve. **J Korean Soc Coloproctol** 2005;21(6):396-400. [Korean]

*Kang JH (Kang Jeong Hyun) is the English name used in the past.

B. Original and Review articles – as a contributing author

1. Cheong C, **Kang J**, Min BS, Kim NK, Ahn JB, Lee KY. Impact of neoadjuvant treatment on rectal gastrointestinal stromal tumors. *PLoS One* 2022 Sep 9;17(9):e0270887.
2. Lee H, Lee HW, Park EJ, **Kang J**, Baik SH. Clinicopathologic characteristics and survival of patients with double primary malignancies: breast and colorectal cancer. *Ann Coloproctol* 2022 Jun;38(3):197-206.
3. Kim IK, Lee KY, **Kang J**, Park JS, Jeong J. Immune-modulating Effect of Korean Red Ginseng by Balancing the Ratio of Peripheral T Lymphocytes in Bile Duct or Pancreatic Cancer Patients With Adjuvant Chemotherapy. *In Vivo.* May-Jun 2021;35(3):1895-1900.
4. Kim JY, Lee KH, **Kang J**, Borcoman E, Saada-Bouزيد E, Kronbichler A, Hong SH, de Rezende LFM, Ogino S, Keum N, Song M, Luchini C, van der Vliet HJ, Shin JI, Gamerith G. Hyperprogressive Disease during Anti-PD-1 (PDCD1) / PD-L1 (CD274) Therapy: A Systematic Review and Meta-Analysis. *Cancers (Basel).* 2019 Nov 1;11(11). pii: E1699.
5. Park EJ, **Kang J**, Hur H, Min BS, Baik SH, Lee KY, Kim NK. Different clinical features according to the anastomotic leakage subtypes after rectal cancer surgeries: contained vs. free leakages. *PLoS One.* 2018 Dec 12;13(12):e0208572.
6. Park EJ, Song KH, Baik SH, Park JJ, **Kang J**, Lee KY, Goo JI, Kim NK. The efficacy of infliximab combined with surgical treatment of fistulizing perianal Crohn's disease: Comparative analysis according to fistula subtypes. *Asian J Surg.* 2018 Sep;41(5):438-447.

7. Lee M, Kim JH, Yoon I, Lee C, Fallahi Sichani M, Kang JS, **Kang J**, Guo M, Lee KY, Han G, Kim S, Han JM. Coordination of the leucine-sensing Rag GTPase cycle by leucyl-tRNA synthetase in the mTORC1 signaling pathway. *Proc Natl Acad Sci U S A*. 2018 Jun 5;115(23):E5279-E5288.
8. Kim MS, Park EJ, **Kang J**, Min BS, Lee KY, Kim NK, Baik SH. Prognostic factors predicting survival in incurable stage IV colorectal cancer patients who underwent palliative primary tumor resection. Retrospective cohort study. *Int J Surg*. 2018 Jan;49:10-15
9. Park EJ, Baik SH, Hur H, Min BS, **Kang J**, Han YD, Cho MS, Lee KY, Kim NK. Cytoreductive surgery with hyperthermic intraperitoneal chemotherapy for appendiceal and colorectal cancer with peritoneal carcinomatosis: Clinical outcomes at 2 tertiary referral centers in Korea. *Medicine (Baltimore)*. 2017 May;96(21):e6632.
10. Kim SH, Shon JY, Park JS, Kim JW, **Kang JH**, Yun EY, Hwang JS, Kim HM. Change in Dietary Intake and Nutritional Status Using Mealworms as Hospital Meal in Postoperative Patients. *J Korean Diet Assoc* 2016 22(4):292-309 [Korean]
11. Kwon HY, Kim IK, **Kang J**, Sohn SK, Lee KY. In Vitro Adenosine Triphosphate-Based Chemotherapy Response Assay as a Predictor of Clinical Response to Fluorouracil-Based Adjuvant Chemotherapy in Stage II Colorectal Cancer. *Cancer Res Treat*. 2016 Jul;48(3):970-7
12. Hur H, Bae SU, Han YD, **Kang J**, Min BS, Baik SH, Lee KY, Kim NK. Transanal Endoscopic Operation for Rectal Tumor: Short-term Outcomes and Learning Curve Analysis. *Surg Laparosc Endosc Percutan Tech*. 2016 Jun;26(3):236-43.
13. Park EJ, Baik SH, **Kang J**, Hur H, Min BS, Lee KY, Kim NK. The Impact of Postoperative Complications on Long-term Oncologic Outcomes After Laparoscopic Low Anterior Resection for Rectal Cancer. *Medicine (Baltimore)*. 2016 Apr;95(14):e3271.
14. Park EJ, **Kang J**, Baik SH. Treatment of faecal incontinence using allogeneic-adipose-derived mesenchymal stem cells: a study protocol for a pilot randomised controlled trial. *BMJ Open*. 2016 Feb 17;6(2):e010450.
15. Park EJ, Baik SH, **Kang J**, Hur H, Min BS, Lee KY, Kim NK, Sohn SK. Short-term outcomes of the modified extralevator abdominoperineal resection for low rectal cancer (with videos). *Surg Endosc*. 2016 Apr;30(4):1672-82
16. Nam S, Park EJ, Cho MS, **Kang J**, Hur H, Min BS, Baik SH, Lee KY, Kim NK, Sohn SK. Operative Outcomes of Open versus Laparoscopic Total Proctocolectomy with Ileal Pouch Anal Anastomosis in Ulcerative Colitis. *J Minim Invasive Surg*. 2015 Sep;18(3):69-74.
17. Kim CW, Kim WR, Kim HY, **Kang J**, Hur H, Min BS, Baik SH, Lee KY, Kim NK. Learning Curve for Single-Incision Laparoscopic Anterior Resection for Sigmoid Colon Cancer. *J Am Coll Surg*. 2015 Aug;221(2):397-403.
18. Kim IK, **Kang J**, Lim BJ, Sohn SK, Lee KY. The impact of lymph node size to predict nodal metastasis in patients with rectal cancer after preoperative chemoradiotherapy. *Int J Colorectal Dis*. 2015 Apr;30(4):459-64.
19. Kim CW, Baik SH, Roh YH, **Kang J**, Hur H, Min BS, Lee KY, Kim NK. Cost-effectiveness of robotic surgery for rectal cancer focusing on short-term outcomes: a propensity score-matching analysis. *Medicine (Baltimore)*. 2015 Jun;94(22):e823.
20. Kim CW, Cho MS, Baek SJ, Hur H, Min BS, **Kang J**, Baik SH, Lee KY, Kim NK. Oncologic Outcomes of Single-Incision versus Conventional Laparoscopic Anterior Resection for Sigmoid Colon Cancer: A Propensity-Score Matching Analysis. *Ann Surg Oncol*. 2015 Mar;22(3):924-930.
21. Cheong J, **Kang J**, Kim IK, Kim NK, Sohn SK, Lee KY. Feasibility and safety of a fold-over diverting ileostomy reversal after rectal cancer surgery: case-matched comparison to the resection technique. *Ann Coloproctol*. 2014 Jun;30(3):118-121.
22. Kim IK, **Kang J**, Park YA, Kim NK, Sohn SK, Lee KY. Is prior laparoscopy experience required for adaptation to robotic rectal surgery?: feasibility of one-step transition from open to robotic surgery. *Int J Colorectal Dis*. 2014 Jun;29(6):693-699.

23. Kim IK, Lim BJ, **Kang J**, Kim SA, Kang D, Sohn SK, Lee KY. Clinical impact of fat clearing technique in nodal staging of rectal cancer after preoperative chemoradiotherapy. *J Korean Surg Soc.* 2013 Jul;85(1):30-34.
24. Hur H, **Kang J**, Kim NK, Min BS, Lee KY, Shin SJ, Keum KC, Choi J, Kim H, Choi SH, Lee MY. Thymidylate Synthase Gene Polymorphism Affects the Response to Preoperative 5-Fluorouracil Chemoradiation Therapy in Patients With Rectal Cancer. *Int J Radiat Oncol Biol Phys.* 2011 Nov; 81(3):669-676.
25. Kim NK, **Kang J**. Optimal Total Mesorectal Excision for Rectal Cancer: the Role of Robotic Surgery from an Expert's View. *J Korean Soc Coloproctol* 2010;26(6):377-387.
26. Shim HJ, **Kang J**, Kim YW, Lee HS, Hur H, Min BS, Lee KY, Kim NK. The impact of the serum CEA on pathological tumor response after preoperative chemoradiotherapy with total mesorectal excision for rectal cancer. *Korean J Clin Oncol* 2010;6(1):47-53. [Korean]
27. Lee YC, Shin HK, Kim CH, Yang HK, **Kang J**, Lee KY, Kim NK. Comparison of Early Clinical Outcomes Between ALTA (Aluminum Potassium Sulfate and Tannic Acid, Ziohn®) Injection Therapy and a Submucosal Hemorrhoidectomy in Patients with Internal Hemorrhoids. *J Korean Soc Coloproctol* 2010;26(3):179-185. [Korean]

C. Case report and Letter to the editor

1. Lee SJ, Nahm JH, **Kang J**, Baik SH, Park EJ. Benign multicystic mesothelioma of appendiceal origin treated by hyperthermic intraperitoneal chemotherapy: A case report. *Int J Surg Case Rep* 2022 Oct;99:107665
2. **Kang J**. Reply to Letter by Min Zou et al.: Comment on "Association of Albumin-Bilirubin Grade and Myosteatorsis with its Prognostic Significance for Patients with Colorectal Cancer". *Ann Surg Oncol* 2022 Nov;29(12):7931-7932. (Corresponding author)
3. Koh HH, Cho ES, Lee JH, Shin SJ, Lee HS, Park EJ, Baik SH, Lee KY, **Kang J**. ASO Visual Abstract: Association Between Albumin-Bilirubin Grade and Myosteatorsis and Its Prognostic Significance for Patients with Colorectal Cancer. *Ann Surg Oncol.* 2022 Jun;29(6):3879-3880. (Corresponding author)
4. Koh HH, **Kang J**. ASO Author Reflections: Albumin-Bilirubin Grade and Myosteatorsis as Potential Cancer Cachexia-Related Indicators in Patients with Colorectal Cancer. *Ann Surg Oncol.* 2022 Jun;29(6):3877-3878. (Corresponding author)
5. Kim JH, **Kang J**. Comment on: "Dynamic Alteration of Neutrophil-to-Lymphocyte Ratio over Treatment Trajectory is Associated with Survival in Esophageal Adenocarcinoma". *Ann Surg Oncol.* 2021 Dec;28(Suppl 3):810. (Corresponding author)
6. Roh WS, Lee S, Park JH, **Kang J**. Abdominal Sarcoidosis Mimicking Peritoneal Carcinomatosis. *Ann Coloproctol.* 2018 Apr;34(2):101-105 (Corresponding author)
7. **Kang J**. Limitations of Preoperative Clinical Staging in Selecting the Enrolled Patients Before Randomization. *Ann Surg.* 2017 Dec;266(6):e78. No abstract available. (Corresponding author)
8. Kim IK, **Kang J**, Kim YR, Jeon TJ, Baik SH, Sohn SK. Multiple Myeloma Mimics Bone Metastasis From a Rectal Adenocarcinoma. *Ann Coloproctol.* 2017 Apr;33(2):70-73. (Corresponding author)
9. Cho HG, **Kang J**. Spontaneous reduction of small bowel herniation through the foramen of Winslow: importance of a timely approach. *Ann Surg Treat Res.* 2017 Feb;92(2):113-116. (Corresponding author)
10. Nam S, **Kang J**, Choi SE, Kim YR, Baik SH, Sohn SK. Xanthogranulomatous Appendicitis Mimicking Residual Burkitt's Lymphoma After Chemotherapy. *Ann Coloproctol.* 2016 Apr;32(2):83-6. (Corresponding author)
11. **Kang J**, Lee KY. Missing data or not? *Dis Colon Rectum.* 2015 Jan;58(1):e1. No abstract available.
12. **Kang J**. Long acupuncture needle broken in the abdomen. *Acupunct Med.* 2014 Oct;32(5):370. No abstract available. (Corresponding author)

13. Kang SI, **Kang J**, Kim MJ, Kim IK, Lee J, Lee KY, Sohn SK. Laparoscopic-assisted resection of jejunojunal intussusception caused by a juvenile polyp in an adult. *Case Rep Surg.* 2014;2014:856765. (Corresponding author)
14. Nam S, **Kang J**, Park H, Lee KY, Sohn SK. Adult ileocecal intussusception caused by malignant lymphoma. *Korean J Clin Oncol.* 2014;10(1): 46-48. (Corresponding author)
15. Kang SI, **Kang J**, Park HS, Jang SI, Lee DK, Lee KY, Sohn SK. Metastatic cholangiocarcinoma as a cause of appendicitis: a case report and literature review. *Korean J Hepatobiliary Pancreat Surg* 2014 May;18(2):60-63. (Corresponding author)
16. **Kang J**, Jeon TJ, Yoon SO, Lee KY, Sohn SK. An extragastrointestinal stromal tumor in the omentum with peritoneal seeding mimicking an appendiceal mucinous cancer with carcinomatosis. *Ann Coloproctol.* 2014 Apr;30(2):93-96.
17. **Kang J**, Lee KY, Sohn SK. Cecocolic intussusception in adult caused by acute appendicitis. *Case Rep Surg.* 2014;2014:108327. (Corresponding author)
18. **Kang J**, Chung M. A stercoral perforation of the descending colon. *J Korean Surg Soc.* 2012 Feb;82(2):125-127.
19. Park MG, **Kang J**, Kim JY, Hur H, Min BS, Lee KY, Kim NK. Trocar site hernia after the use of 12-mm bladeless trocar in robotic colorectal surgery. *Surg Laparosc Endosc Percutan Tech.* 2012 Feb;22(1):e34-36.
20. **Kang J**, Lee KY. Reply to "High Ligation of Inferior Mesenteric Artery: A Standard Procedure for Colorectal Cancer?" *Ann Surg Oncol.* 2011 Dec;18 Suppl 3:242-3. No abstract available.
21. **Kang J**, Lee KY. Reply about "Prognostic Impact of Inferior Mesenteric Artery Lymph Node Metastasis in Colorectal Cancer" *Ann Surg Oncol.* 2011 Dec;18 Suppl 3:236. No abstract available.
22. Yoon KJ, Kim NK, Lee KY, Min BS, Hur H, **Kang J**, Lee S. Efficacy of imatinib mesylate neoadjuvant treatment for a locally advanced rectal gastrointestinal stromal tumor. *J Korean Soc Coloproctol.* 2011 Jun; 27(3):147-152.
23. **Kang J**, Min BS, Lee KY, Jang SJ, Kim WH, Kim NK. Squamous cell carcinoma of the anus in a patient with perianal Crohn's disease. *Int J Colorectal Dis.* 2010 Mar; 25(3):411-413.