

SEUNG HYUK BAIK, MD, PhD

Associate Professor
Section of Colon & Rectal Surgery
Department of Surgery
Yonsei University College of Medicine
211 Eonju-Ro, Gangnam-Gu
Seoul, 135-720, South Korea

Research Interests

Developing predictive markers to improve and target the treatment of colorectal cancer
Minimal invasive surgery in colorectal cancer patients
Functional preservation after low anterior resection for rectal cancer patients
Clinical research of robotic assisted colorectal cancer
Medical engineering, Stem Cell Therapy Research
Stage IV colorectal cancer, HIPEC (Hyperthermic Intraperitoneal Chemotherapy)
Inflammatory Bowel Disease, Fecal Incontinence

Education and Training

Feb 1996	M.D., Yonsei University, Wonju College of Medicine, Wonju, South Korea
Mar 1997 - Feb 2001	General Surgery Residency, Severance Hospital, Yonsei University College of Medicine, Seoul, South Korea
Mar 2001 - Feb 2004	Mandatory Military Service as Captain (Korean Army)
Mar 2004 - Feb 2006	M.S., Yonsei University College of Medicine Graduate School, Seoul, South Korea
Apr 2004 - Feb 2006	Surgery Fellowship, Section of Colon & Rectal Surgery, Department of Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, South Korea
Mar 2006 - Dec 2009	Ph.D., Yonsei University College of Medicine Graduate School, Seoul, South Korea
Mar 2009 – 2011	Research Fellow at the Washington University School of Medicine, Department of Surgery, St. Louis, MO, USA
Dec 2013	7 th Mini MBA program completed, Graduate School of Business Administration, Yonsei University, Seoul, South Korea
Jan 2014	Washington Cancer Center, Washington, D.C., USA, Cytoreductive Surgery and HIPEC (Hypothermic Intraperitoneal Chemotherapy) training

Overseas Training

Nov 2006 Laparoscopica Centro di Chir, e Telerobotica,

Ospedale Camposampiero, Padova, Italy

Feb 2009 – Feb 2011 Research fellow

Section of Colon & Rectal Surgery, Department of Surgery,
Washington University in Saint Louis, School of Medicine
Saint Louis, MO, USA

Jan 2014 Washington Cancer Center, Washington, D.C., USA, Cytoreductive Surgery
and HIPEC (Hypothermic Intraperitoneal Chemotherapy) training

Certifications

1996 M.D. (# 58826, South Korea)

2001 Board of General Surgery (#4747, South Korea)

2013 Board of Colon & Rectal Surgery (South Korea)

March 1, 2014-February 28, 2019, Colonoscopy & Endoscopy certified, (#대내14-030),
The Korean Society of Coloproctology, Seoul, Korea

Academic Appointments

Sept 2014 - Sept 2016 Chief of Section of Colon & Rectal Surgery, Department of Surgery,
Gangnam Severance Hospital, Seoul, South Korea

Sept 2014 - Sept 2016 Head of the Colorectal Cancer Clinic, Gangnam Severance Hospital,
Seoul, South Korea

Sept 2014 - Present Associate Professor, Section of Colon & Rectal Surgery, Department of
Surgery, Gangnam Severance Hospital, Seoul, South Korea

Mar 2011 - Aug 2014 Associate Professor, Department of Surgery, Yonsei University College of
Medicine, Seoul, South Korea

Mar 2006 - Mar 2011 Assistant Professor, Department of Surgery, Yonsei University College of
Medicine

Mar 2004 - Mar 2006 Full-time Instructor, Department of Surgery, Yonsei University College of
Medicine

Clinical Appointments

Sept 2014 - Sept 2016 Chief of Section of Colon & Rectal Surgery, Department of Surgery,
Gangnam Severance Hospital, Seoul, South Korea

Sept 2014 - Sept 2016 Head of the Colorectal Cancer Clinic, Gangnam Severance Hospital,
Seoul, South Korea

Sept 2014 - Present Associate Professor, Section of Colon & Rectal Surgery, Department of
Surgery, Gangnam Severance Hospital, Seoul, South Korea

Mar 2011 - Aug 2014 Associate Professor, Section of Colon & Rectal Surgery, Department of
Surgery, Severance Hospital, Seoul, South Korea

Mar 2006 - Mar 2011 Assistant Professor, Section of Colon & Rectal Surgery, Department of

Surgery, Severance Hospital
Assistant Professor, Center of Robotic & Laparoscopic Surgery,
Department of Surgery, Severance Hospital
Mar 2004 - Mar 2006 Full-time Instructor, Section of Colon & Rectal Surgery, Department of
Surgery, Severance Hospital

Honors, Prizes, and Awards

- 2005 Grassi Prize Presentation: ISDS Annual Meeting, Japan
Hand-Sewn Coloanal Anastomosis for Distal Rectal Cancer: Long-Term Clinical Outcomes
- 2006 Best Article Award in Yonsei University College of Medicine Graduate School, Seoul, Korea
- 2007 Grassi Prize Presentation: ISDS Annual Meeting, Italy
Analysis of Anal Sphincter Preservation Rate According to Tumor Level and Neoadjuvant Chemoradiotherapy in Rectal Cancer
- 2009 Member in the 2010 Edition of Who's Who in the World®
- 2014 Best Journal Award, Dept. of Surgery, Yonsei University School of Medicine, Seoul, Korea

Professional Domestic Societies

- 2001 – present Member, The Korean Surgical Society
- 2013 – present Member, Education Committee of the Korean Surgical Society
- 2005 – present Member, The Korean Society of Coloproctology
- 2011 – present Member, The study group of IBD of the Korean Society of Coloproctology
- 2013 – present Member, Academic Committee of the Korean Society of Coloproctology
- 2005 – present Member, International Association of Surgeons & Gastroenterologists
- 2008 – present Member, The Korean Society of Endoscopic Surgeons
- 2014 – present Planning Committee Member, Korean Surgical Infection Society (KSIS)
- 2014 – present Editorial Board Member, The Korean Society of Endoscopic & Laparoscopic Surgeons
- 2014 – present Member, Korean Academy of Independent Medical Examiners

Professional International Societies

- 2010 – present Member, Clinical Robotic Surgery Association (CRSA)
- 2010 – present Member, Society of Surgical Oncology
- 2011 – present Member, American Society of Colon and Rectal Surgeons
- 2011 – present Member, Society of American Gastrointestinal Endoscopic Surgeons
- 2011 – present Editorial Board Member, International Journal of Advanced Robotic Systems
- 2014 – 2017 Editorial Board Member, World Journal of Gastrointestinal Endoscopy,

Research Grants (Projects with Financial Support)

- 2014 - 2016 Principal Investigator: Treatment of fecal incontinence using allogenic-adipose-derived mesenchymal stem cells: A prospective, dose escalation, randomized, placebo-controlled, parallel-group, single-blind, single-center pilot study, Registered on www.clinicaltrials.gov as NCT02384499.
- 2013 - 2018 Principal Investigator: A randomized, prospective, multicenter study for the role of primary tumor resection in colorectal cancer patients with asymptomatic, synchronous, unresectable metastasis, Research grant funded by the National Cancer Control Planning Board, South Korea, Registered on www.clinicaltrials.gov as NCT01978249.
- 2013 - 2014 Principal Investigator: The role of primary tumor resection in colorectal cancer patients with asymptomatic, synchronous, unresectable metastasis, retrospective study, research grant from Yonsei University
- 2012 - 2014 Principle Investigator: Development of molecular marker to predict the complete responder and the incomplete responder after preoperative chemoradiotherapy in stage II, III rectal cancer, Research grant from Yonsei University
- 2006 - present Principal Investigator: Laparoscopic vs. robotic low anterior resection in rectal cancer: functional outcomes and gross judgment of specimen in a case-matched series, Faculty research grant from Yonsei University
- 2006 - present Principal Investigator: Evaluation of the pathologic quality and functional outcomes after laparoscopic rectal cancer surgery, Faculty research grant of Yonsei University College of Medicine
- 2004 - 2006 Investigator: Colorectal Cancer, Multi-Center Clinical Trial Network, Clinical trial, Research grant from the Korea Health 21 R&D Project, Ministry of Health & Welfare, South Korea
- 2004 - 2006 Investigator: Molecular markers as predictors for tumor response and toxicity to preoperative chemoradiation treatment in patients with locally advanced rectal cancer, Research grant from the Korea Health 21 R&D Project, Ministry of Health & Welfare, South Korea
- 2004 - 2006 Investigator: DNA chip system development center for diagnosis and prognosis prediction of colorectal cancer, Research grant from the Korea Health 21 R&D Project, Ministry of Health & Welfare, South Korea

Reviewer for Journals

Annals of Surgical Oncology

Annals of Surgery

PUBLICATIONS

International Journals

1. 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. doi: 10.1136/bmjopen-2015-010450.
2. Park EJ, **Baik SH**. Robotic Surgery for Colon and Rectal Cancer, *Curr Oncol Rep*. 2016 Jan;18(1):5. doi: 10.1007/s11912-015-0491-8.
3. 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*. 2015 Jul 17. [Epub ahead of print]
4. Park, EJ, Kim, EW, Cho, MS, Kim, DW, Min, BS, **Baik, SH**, Lee, KY, Kim, NK. Is the learning curve of robotic low anterior resection shorter than laparoscopic low anterior resection for rectal cancer?: With a comparative analysis of clinicopathologic outcomes between robotic and laparoscopic surgeries, *Medicine®*. 2014 93(25): e109. doi: 10.1097/MD.0000000000000109
5. Park EJ, Kim CW, Cho MS, **Baik SH**, Kim DW, Min BS, Lee KY, Kim NK. S075-Multidimensional Analyses of the Learning Curve of Robotic Low Anterior Resection for Rectal Cancer: 3-Phase Learning Process Comparison. *Surg Endosc*, 2014 Oct;28(10):2821-31. doi: 10.1007/s00464-014-3569-8. Epub 2014 Jun 6.
6. Park EJ, Kim MS, Kim G, Kim CH, Hur H, Min BS, **Baik SH**, Lee KY, Kim NK. Long-term oncologic outcomes of laparoscopic right hemicolectomy during the learning curve period: Comparative study with cases after the learning curve period. *Surg Laparosc Endosc Percutan Tech*. 2015 Feb;25(1):52-8. doi: 10.1097/SLE.0000000000000016.
7. Kim, CW, Kim, CH, **Baik, SH**. Outcomes of Robotic-Assisted Colorectal Surgery Compared with Laparoscopic and Open Surgery: a Systematic Review. *J Gastrointest Surg*, 2014 Apr;18(4):816-830. doi: 10.1007/s11605-014-2469-5. Epub 2014 Feb 5.
8. Kim MS, Chung MK, Ahn JB, Kim CW, Cho MS, Shin SJ, Baek SJ, Hyuk H, Min BS, **Baik SH**, Kim NK. Clinical Significance of Primary Tumor Resection in Colorectal Cancer Patients with Synchronous Unresectable Metastasis. *J Surg Oncol*, 2014 Aug;110(2):214-21. doi: 10.1002/jso.23607. Epub 2014 Mar 26.
9. Park EJ, Cho MS, Baek SJ, Hur H, Min BS, **Baik SH**, Lee KY, Kim NK. Long-term Oncologic Outcomes of Robotic Low Anterior Resection for Rectal Cancer: A Comparative

- Study with Laparoscopic Surgery. *Ann Surg.* 2015 Jan;261(1):129-37. doi: 10.1097/SLA.0000000000000613.
10. Kim WR, Baek SJ, Kim CW, Jang HA, Cho MS, Bae SU, Hur H, Min BS, **Baik SH**, Lee KY, Kim NK, Sohn SK. Comparative study of oncologic outcomes for laparoscopic vs. open surgery in transverse colon cancer. *Ann Surg Treat Res.* 2014 Jan;86(1):28-34. doi: 10.4174/astr.2014.86.1.28. Epub 2014 Jan 1.
 11. Hur H, Bae SU, Kim NK, Min BS, **Baik SH**, Lee KY, Kim YT, Choi YD. Comparative study of voiding and male sexual function following open and laparoscopic total mesorectal excision in patients with rectal cancer. *J Surg Oncol.* 2013 Dec;108(8):572-8.
 12. Saklani AP, Lim DR, Hur H, Min BS, **Baik SH**, Lee KY, Kim NK. Robotic versus laparoscopic surgery for mid-low rectal cancer after neoadjuvant chemoradiation therapy: comparison of oncologic outcomes. *Int J Colorectal Dis.* 2013 Dec;28(12):1689-98.
 13. Yi JH, Kim H, Jung M, Shin SJ, Choi JS, Choi GH, **Baik SH**, Min BS, Kim NK, Ahn JB. Prognostic Factors for Disease-Free Survival after Preoperative Chemotherapy Followed by Curative Resection in Patients with Colorectal Cancer Harboring Hepatic Metastasis: A Single-Institute, Retrospective Analysis in Asia. *Oncology.* 2013 Nov 6;85(5):283-289.
 14. Baek SJ, Al-Asari S, Jeong DH, Hur H, Min BS, **Baik SH**, Kim NK. Robotic versus laparoscopic coloanal anastomosis with or without intersphincteric resection for rectal cancer. *Surg Endosc.* 2013 Nov;27(11):4157-63.
 15. Kim CW, **Baik SH**. Robotic rectal surgery: what are the benefits? *Minerva Chir.* 2013 Oct;68(5):457-69.
 16. **Baik SH**, Kim NK, Lim DR, Hur H, Min BS, Lee KY. Oncologic outcomes and perioperative clinicopathologic results after robot-assisted tumor-specific mesorectal excision for rectal cancer. *Ann Surg Oncol.* 2013 Aug;20(8):2625-32. doi: 10.1245/s10434-013-2895-8.
 17. Bae SU, Baek SJ, Hur H, **Baik SH**, Kim NK, Min BS. Intraoperative near infrared fluorescence imaging in robotic low anterior resection: three case reports. *Yonsei Med J.* 2013 Jul 2;54(4):1066-9.
 18. Kim MS, Hur H, Min BS, **Baik SH**, Lee KY, Kim NK. Clinical outcomes for rectal carcinoid tumors according to a new (AJCC 7th edition) TNM staging system: A single institutional analysis of 122 patients. *J Surg Oncol.* 2013 Jun;107(8):835-41.
 19. **Baik SH**, Park KJ, Lee KY, Cho YB, Choi GS, Lee KY, Yoon SN, Yu CS. Characteristic phenotypes in Korean Crohn's disease patients who underwent intestinal surgery for the treatment. *J Korean Med Sci.* 2013 Apr;28(4):575-9.
 20. 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):771-5.
 21. Lim DR, Min BS, Kim MS, Alasari S, Kim G, Hur H, **Baik SH**, Lee KY, Kim NK. Robotic versus laparoscopic anterior resection of sigmoid colon cancer: comparative study of long-term oncologic outcomes. *Surg Endosc.* 2013 Apr;27(4):1379-85.

22. Chang JS, Keum KC, Kim NK, **Baik SH**, Min BS, Huh H, Lee CG, Koom WS. Preoperative chemoradiotherapy effects on anastomotic leakage after rectal cancer resection: A propensity score matching analysis. *Ann Surg.* 2013 Apr 17. (Epub ahead of print)
23. Kim G, **Baik SH**, Lee KY, Hur H, Min BS, Lyu CJ, Kim NK. Colon carcinoma in childhood: review of the literature with four case reports. *Int J Colorectal Dis.* 2013 Feb;28(2):157-64.
24. 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 a 3-arm comparison--open, laparoscopic, and robotic surgery. *Ann Surg.* 2013 Jan;257(1):95-101.
25. 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):131-8.
26. Shin SJ, Ahn JB, Choi JS, Choi GH, Lee KY, **Baik SH**, Min BS, Hur H, Roh JK, Kim NK. Implications of clinical risk score to predict outcomes of liver-confined metastasis of colorectal cancer. *Surg Oncol.* 2012 Sep;21(3):e125-30.
27. 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):2555-62.
28. **Baik SH**, Gincherman M, Mutch MG, Birnbaum EH, Fleshman JW. Laparoscopic vs open resection for patients with rectal cancer: comparison of perioperative outcomes and long-term survival. *Dis Colon Rectum.* 2011 Jan;54(1):6-14.
29. **Baik SH**, Kim JH, Cho HH, Park SN, Kim YS, Suh H. Development and analysis of a collagen-based hemostatic adhesive. *J Surg Res.* 2010 Dec;164(2):e221-8.
30. Shin SJ, Kim NK, Keum KC, Kim HG, Im JS, Choi HJ, **Baik SH**, Choen JH, Jeung HC, Rha SY, Roh JK, Chung HC, Ahn JB. Phase II study of preoperative chemoradiotherapy (CRT) with irinotecan plus S-1 in locally advanced rectal cancer. *Radiother Oncol.* 2010 Jun;95(3):303-7.
31. Min BS, Kim NK, Ko YT, **Baik SH**, Lee KY, Sohn SK, Cho CH, Kang DR. Clinicopathological Features of Signet-Ring Cell Carcinoma of the Colon and Rectum: A Case-Matched Study. *Hepato-Gastroenterol.* 2009 Jul-Aug;56(93):984-8.
32. **Baik SH**, Kwon HY, Kim JS, Hur H, Sohn SK, Cho CH, Kim H. Robotic versus laparoscopic low anterior resection of rectal cancer: short-term outcome of a prospective comparative study. *Ann Surg Oncol.* 2009 Jun;16(6):1480-7.
33. **Baik SH**. Robotic colorectal surgery. *Yonsei Med J.* 2008 Dec 31;49(6):891-6.
34. Kim JH, Cheon JH, Kim TI, **Baik SH**, Kim NK, Kim H, Kim WH. Effectiveness of radical surgery after incomplete endoscopic mucosal resection for early colorectal cancers: a clinical study investigating risk factors of residual cancer. *Dig Dis Sci.* 2008 Nov;53(11):2941-6.
35. **Baik SH**, Ko YT, Kang CM, Lee WJ, Kim NK, Sohn SK, Chi HS, Cho CH. Robotic tumor-specific mesorectal excision of rectal cancer: short-term outcome of a pilot randomized trial.

- Surg Endosc. 2008 Jul;22:1601-8.
36. **Baik SH**, Robotic total mesorectal excision for rectal cancer: it may improve survival as well as quality of life. *Surg Endosc.* 2008 Jun;22:1566.
 37. Choi HJ, Kim NK, Keum KC, Cheon SH, Shin SJ, **Baik SH**, Choen JH, Rha SY, Roh JK, Jeung HC, Chung HC, Ahn JB. Phase I trial of neoadjuvant concurrent chemoradiotherapy with S-1 and weekly irinotecan in locally advanced rectal cancer. *Radiother Oncol.* 2008 Jun;87(3):361-6.
 38. Kang CM, Lee KH, Lim KM, **Baik SH**. Dual-scopic intraoperative radiofrequency ablation for the treatment of a hepatic metastatic tumor located beneath the diaphragm. *Surg Laparosc Endosc Percutan Tech.* 2008 Apr;18:202-6.
 39. **Baik SH**, Lee WJ, Rha KH, Kim NK, Sohn SK, Chi HS, Cho CH, Lee SK, Cheon JH, Ahn JB, Kim WH. Robotic total mesorectal excision for rectal cancer using four robotic arms. *Surg Endosc.* 2008 Mar;22:792-7.
 40. **Baik SH**, Kim NK, Lee KY, Sohn SK, Cho CH, Kim MJ, Kim H, Shinn RK. Factors influencing pathologic results after total mesorectal excision for rectal cancer: analysis of consecutive 100 cases. *Ann Surg Oncol.* 2008 Mar;15:721-8.
 41. **Baik SH**, Kim YT, Ko YT, Kang CM, Lee WJ, Kim NK, SK Sohn, HS Chi, CH Cho, SK Lee. Simultaneous Robotic Total Mesorectal Excision and Total Abdominal Hysterectomy for Rectal Cancer and Uterine Myoma. *Int J Colorectal Dis.* 2008 Feb;23(2):207-8.
 42. Min BS, Kim NK, Sohn SK, Cho CH, Lee KY, **Baik SH**. Isolated paraaortic lymph-node recurrence after the curative resection of colorectal carcinoma. *J Surg Oncol.* 2008 Feb 1;97(2):136-40.
 43. **Baik SH**, Kim NK, Lee KY, Sohn SK, Cho CH. Analysis of anal sphincter preservation rate according to tumor level and neoadjuvant chemoradiotherapy in rectal cancer patients. *J Gastrointest Surg.* 2008 Jan;12:176-82.
 44. Ko YT, Kim NK, Min BS, Lee KY, **Baik SH**, Cho CH, Lee SK, Chen JH, Kim WH. Twenty cases of restorative proctocolectomy for ulcerative colitis of Asian patients: analysis of operative safety and functional outcomes in single institution experience. *Int J Colorectal Dis.* 2008 Jan;23(1):131-2.
 45. Ko YT, **Baik SH**, Kim SH, Min BS, Kim NK, Cho CH, Lee SK, Kim HG. Clear cell adenocarcinoma of the sigmoid colon. *Int J Colorectal Dis.* 2007 Dec;22(12):1543-4.
 46. **Baik SH**, Kang CM, Lee WJ, Kim NK, Sohn SK, Chi HS, Cho CH. Robotic Total Mesorectal Excision for the Treatment of Rectal Cancer. *J of Robotic Surg.* 2007 Mar;1:99-102.
 47. **Baik SH**, Kim NK, Baik SH, Kim NK, Lee CH, Lee KY, Sohn SK, Cho CH, Kim H, Pyo HR, Rha SY, Chung HC. Gastrointestinal stromal tumor of rectum: An analysis of seven cases *Surg Today.* 2007;37(6):455-9.
 48. **Baik SH**, Kim NK, Lee YC, Kim H, Lee KY, Sohn SK, Cho CH. Prognostic significance of circumferential resection margin following total mesorectal excision and adjuvant chemoradiotherapy in patients with rectal cancer. *Ann Surg Oncol.* 2007 Feb;14(2):462-9.

49. Kim NK, **Baik SH**, Min BS, Pyo HR, Choi YJ, Kim H, Seong J, Keum KC, Rha SY, Chung HC. A comparative study of volumetric analysis, histopathologic downstaging, and tumor regression grade in evaluating tumor response in locally advanced rectal cancer following preoperative chemoradiation. *Int J Radiat Oncol Biol Phys*. 2007 Jan 1;67(1):204-10.
50. Ko YT, **Baik SH**, Kim SH, Min BS, Kim NK, Cho CH, Lee SK, Kim HG. Clear cell adenocarcinoma of the sigmoid colon. *Int J Colorectal Dis*. 2006 Dec 21.
51. Kim NK, **Baik SH**, Seong JS, Kim H, Roh JK, Lee KY, Sohn SK, Cho CH. Oncologic outcomes after neoadjuvant chemoradiation followed by curative resection with tumor-specific mesorectal excision for fixed locally advanced rectal cancer: Impact of postirradiated pathologic downstaging on local recurrence and survival. *Ann Surg*. 2006 Dec;244(6):1024-30.
52. Park YA, Lee KY, Kim NK, **Baik SH**, Sohn SK, Cho CW. Prognostic effect of perioperative change of serum carcinoembryonic antigen level: a useful tool for detection of systemic recurrence in rectal cancer. *Ann Surg Oncol*. 2006 May;13(5):645-50.
53. **Baik SH**, Kim NK, Cho HW, Lee KY, Sohn SK, Cho CH, Kim TI, Kim WH. Clinical outcomes of metallic stent insertion for obstructive colorectal cancer. *Hepato-gastroenterol*. 2006 Mar-Apr;53(68):183-7.
54. Park YA, Sohn SK, Seong J, **Baik SH**, Lee KY, Kim NK, Cho CW. Serum CEA as a predictor for the response to preoperative chemoradiation in rectal cancer. *J Surg Oncol*. 2006 Feb 1;93(2):145-50.
55. **Baik SH**, Kim NK, Lee KY, Sohn SK, Cho CH. Hand-sewn coloanal anastomosis for distal rectal cancer: long-term clinical outcomes. *J Gastrointest Surg*. 2005 Jul-Aug;9(6):775-80.

Domestic (Korean) Journals

1. Jeong DH, Hur H, Min BS, **Baik SH**, Kim NK. Safety and feasibility of a laparoscopic colorectal cancer resection in elderly patients. *Ann Coloproctol*. 2013 Feb;29(1):22-7.
2. Jeong DH, Park MG, Melich G, Hur H, Min BS, **Baik SH**, Kim NK. Laparoscopic repair of parastomal and incisional hernias with a modified Sugarbaker technique. *J Korean Surg Soc*. 2013 Jun;84(6):371-6.
3. Jeong DH, Lee HB, Hur H, Min BS, **Baik SH**, Kim NK. Optimal timing of surgery after neoadjuvant chemoradiation therapy in locally advanced rectal cancer. *J Korean Surg Soc*. 2013 Jun;84(6):338-45.
4. **Baik SH**, Kim WH. A comprehensive review of inflammatory bowel disease focusing on surgical management. *J Korean Soc Coloproctol*. 2012 Jun;28(3):121-31.
5. Cho JH, Lim DR, Hur H, Min BS, **Baik SH**, Lee KY, Kim NK. Oncologic outcomes of a laparoscopic right hemicolectomy for colon cancer: Results of a 3-year follow-up. *J Korean Soc Coloproctol*. 2012 Feb;28(1):42-8.

6. **Baik SH**, Lee KS, Jeong SY, Park YK, Kim HS, Lee DH, Oh HJ, Kim BC; Korean Academy of Medical Sciences. Development of a rating system for digestive system impairments: Korean Academy of Medical Sciences Guideline. *J Korean Med Sci.* 2009 May;24 Suppl 2:S271-6.
7. Choi SH, Kim SJ, Choi YJ, Min BS, Kim JS, **Baik SH**, Kim NK, Kang JG, Clinicopathologic Analysis of Gastrointestinal Stromal Tumors of the Colon and Rectum. *J Korean Soc Coloproctol.* 2009 25(5):323-33.
8. Han SY, Kim DH, Park JJ, Moon M, Kim ES, Cheon JH, Kim TI, **Baik SH**, Kim H, Kim WH, A Case of Ileal Mucormycosis in a Patient with Gastrointestinal Behcet's Disease. *Intest Res* 2008 Dec;6(2):140-144.
9. Kwon HY, **Baik SH**, Kim JS, Hur H, Sohn SK, Cho SH. Robotic Anterior Resection for Sigmoid Colon Cancer: Short-term Outcome of a Pilot Study. *J. of Minimally Invasive Surgery.* 2008 Dec;87-92.
10. Kim BW, **Baik SH**, Kim JS, Huh H, Lee KY, Sohn SK, Cho CH. Comparison between the Initial 25 Cases and the Last 25 Cases of Laparoscopic Colorectal Resection during a Learning Period and According to the Clinicopathologic Outcomes. *J of Minimally Invasive Surgery.* 2008;11(2):93-99.
11. Hur H, Min BS, Kim JS, Lee KY, Park Y-A, **Baik SH**, Sohn SK, Cho CH, Kim JH, Kim WH, Kim NK. Patterns of Recurrence and Prognosis in Patients with Intestinal Behcet's Disease Who Underwent a Bowel Resection. *J of the Korean Society of Coloproctology.* 2008;24:166-174.
12. Kim YW, Kim NK, Min BS, Pyo J, Kim H, Cha SH, Kim MJ, **Baik SH**, Lee KY, Sohn SK, Cho CH. Accuracy of Magnetic Resonance Imaging in predicting TNM staging and circumferential resection margin compared with pathologic assessment on whole-mount section in rectal cancer. *J Korean Soc Coloproctol* 2006 Dec; 022(06):402-410.
13. **Baik SH**, Kim NK, Lee YC, Sohn SK, Cho CH. Analysis of factors affecting the degree of difficulty in total mesorectal excision for rectal cancer: Investigation of the factors affecting incomplete resection and the resection time. *J Korean Soc Coloproctol* 2006 Aug; 022(04): 255-263.
14. Jung EJ, **Baik SH**, Kim NK, Lee KY, Sohn SK, Cho CH. Isolated splenic metastasis from colorectal carcinoma. *J Korean Surg Society.* 2006 Jun; 070(06): 482-485.
15. Lee YC, Kim NK, **Baik SH**, Lee KY, Sohn SK, Cho CH, Chung KY, Kim DJ. Factors influencing survival after curative resection of pulmonary metastasis from colorectal cancer. *J Korean Surg Society.* 2006 Mar; 070(03):188-193.
16. Lee YC, Kim NK, **Baik SH**, Lee KY, Sohn SK, Cho CH. Clinical analysis of 40 patients with familial adenomatous polyposis (FAP). *J Korean Soc Coloproctol.* 2006 Feb; 022(01): 24-28.
17. 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

Dec; 021(06):396-400.

18. **Baik SH**, Kim NK, Lee KY, Sohn SK, Cho CH, Kim H, Rha SY, Chung HC. Prognostic significance of circumferential resection margin following a Total Mesorectal Excision in rectal cancer. *J Korean Soc Coloproctol.* 2005 Oct; 021(05):307-313.
19. Park JK, Kim NK, **Baik SH**, Lee KY, Sohn SK, Cho CH. Local pelvic recurrence after curative resection of the rectal cancer: Classification and prognosis. *J Korean Soc Coloproctol.* 2005 Apr; 021(02): 82-88.
20. Kang SW, Kim NK, **Baik SH**, Lee KY, Sohn SK, Cho CH. Adenocarcinoma arising from tailgut cyst. *J Korean Surg Society.* 2005 Apr;068(04):342-345.
21. Kim NK, **Baik SH**, Lee KY, Sohn SK, Cho CH, Min JS, Seong JS, Chung HC, Rha SY. Preoperative chemoradiation followed by total mesorectal excision for locally advanced rectal cancer: oncologic outcomes according to pathologic T and N stage. *J Korean Surg Society.* 2005 Mar;068(03):218-223.
22. Oh SJ, Kim NK, **Baik SH**, Lee KY, Sohn SK, Min YH. Neutropenic enterocolitis in acute myelogenous leukemia. *J Korean Surg Society.* 2005 Feb;068(02):149-152.
23. **Baik SH**, Kim NK, Lee CH, Lee KY, Sohn SK, Cho CH, Kim HG, Pyo HR, Rha SY, Chung HC. Gastrointestinal stromal tumor of rectum: A Report of 7 Cases. *J Korean Surg Society.* 2005 Feb;068(02):117-122.
24. **Baik SH**, Kim NK, Lee KY, Sohn SK, Cho CH. Sphincter preserving method for distal rectal cancer: treatment experience of ultra-low anterior resection and hand sewn coloanal anastomosis. *J Korean Soc Coloproctol.* 2004 Dec;020(06):358-363.
25. Kim NK, Pyo HR, **Baik SH**, Lee KY, Sohn SK, Cho CH, Rha SY, Chung HC. Analysis of criteria for tumor response after preoperative chemoradiation therapy for locally advanced rectal cancer: Correlation between tumor volume reduction and histopathologic downstaging *J Korean Soc Coloproctol.* 2004 Oct;020(05): 296-302.
26. **Baik SH**, Kim NK, Min JS, Kim TS. Alpha-fetoprotein producing rectal cancer. *J Korean Surg Society.* 2000;059(05):683-688.
27. **Baik SH**, Hyung WJ, Lee JH, Lee KY, Noh SH, Min JS. The clinicopathologic characteristics and prognosis of gastric signet ring cell carcinoma. *J Korean Surg Society.* 2000;059(06):771-777.

International Conferences (2008 - present)

1. Baik SH (Keynote Speaker), Minimal Invasive Surgery in Korea, 2013 China Great Wall Forum of Oncology, Beijing, China, June 28-30, 2013.
2. Role of Robotic Surgery and Severance Experiences. TWGHs Eddie Wang Integrated Chinese and Western Medicine Symposium (Invited speaker), Hong Kong, China, Oct. 7, 2011.
3. Clinical Trials of Minimal Invasive Surgery for Rectal Cancer: Current Level of Evidence for New Emerging Surgical Procedures. Yonsei Colorectal International Symposium (Invited

- speaker), Seoul, South Korea, May 21, 2011.
4. Robotic Assisted Colorectal Resection. Key Note Lecture. 6th East-West Colorectal Days (Invited speaker), Hajdúszoboszló, Hungary, Oct. 6, 2010.
 5. Laparoscopic vs. open resection for rectal cancer patients: Comparison of perioperative outcomes and long term survival. American Society of Colon & Rectal Surgeons Annual meeting, Minneapolis, USA, May 10, 2010.
 6. Laparoscopic and Robotic Low Anterior Resection for Rectal Cancer. Asian American MultiSpecialty Summit IV Laparoscopy and Minimally Invasive Surgery. The Society of Laparoendoscopic Surgeons (Invited speaker). Hawaii, USA. Feb. 12, 2010.
 7. DaVinci-Assisted Low Anterior Resection for Rectal Cancer. Asian American MultiSpecialty Summit III Laparoscopy and Minimally Invasive Surgery. The Society of Laparoendoscopic Surgeons (Invited speaker). Hawaii, USA. Feb. 8, 2008.
 8. Robotic Low Anterior Resection for Rectal Cancer: Short-Term Outcome of A Prospective Comparative Study. American Society of Colon & Rectal Surgeons Annual meeting, Boston, USA, June 8, 2008. www.dcpvideronline.com/sav.php?key=0&id=3370
 9. Robotic Right Hemicolectomy: Is it necessary? 2008 Kyungpook National University-Samsung Medical Center Joint International Symposium (Invited speaker). Seoul, Korea. Aug. 23, 2008.
 10. Robotic Low Anterior Resection for Rectal Cancer: Prospective Analysis of 90 cases. 11th World Congress of Endoscopic Surgery. Yokohama, Japan. Sept. 5, 2008.

Domestic Conferences

1. 66th Congress of the Korean Surgical Society, Annual Congress of KSS 2014, Long-term Oncologic Outcomes of Robotic Low Anterior Resection for Rectal Cancer, A Comparative Study With Laparoscopic Surgery, Impact Papers of the Year 2014, Speaker, November 27-29, 2014, COEX, Seoul, Korea.
2. Gangnam Severance Cancer Hospital Symposium, Section Chairman, September 19, 2014.
3. Robotic Rectal Cancer Surgery Oncologic Outcomes. The Korean Society of Coloproctology 47th Annual Academic Conference, Muju, Korea. April 12, 2014.
4. Lecture. Korean Surgical Society. Yonsei University College of Medicine. Seoul, Korea. September 14, 2013.
5. Korean Life UW Seminar. Korean Building. Seoul, Korea. November 22, 2013.
6. Neo-Adjuvant Chemotherapy in Liver Metastasis (Resectable and Marginally Resectable). Chemotherapy in Colon and Rectal Cancer. The Korean Society of Coloproctology. Sejong University, Seoul, Korea. September 8, 2013.
7. Treatment of CRC with resectable liver metastasis. 21st Consensus Conference Colorectal Cancer. Seoul, Korea. July 20, 2013.
8. Role of Robotic Surgery. Yonsei University Gastroenterology Center Symposium. Seoul, Korea. October 8, 2011.

9. Room Set Up and Patient Preparation. Yongdong Severance Robot Symposium. Seoul, Korea. June 13, 2008.
10. Robotic Assisted Colon and Rectal Surgery. 20th Southern Surgical Association of Korea. June 14, 2008.
11. Robotic Assisted Rectal Surgery. Bundang Seoul National University Hospital Laparoscopic Surgery Symposium. March 2007.
12. Perineal descent syndrome. The Korean Society of Coloproctology. June 2006.
13. Robotic Surgery in the Colorectal Area. National Cancer Center Symposium. July 2008.
14. Trouble shooting of laparoscopic surgery. The Korean Laparoscopic Colorectal Surgery Study Group. May 2006.
15. Robot Training Center in Yonsei University. Yonsei Live. August 2008.

Book Chapter

1. Robot Surgery, ISBN 978-953-7619-77-0, edited by Seung Hyuk Baik, “Robotic Assisted Colorectal Surgery,” Jan. 10, 2010.
<http://www.sciyo.com/articles/show/title/robotic-assisted-colorectal-surgery>

Video

Baik, SH. Robotic Total Mesorectal Excision for Treatment of Rectal Cancer, www.surgytec.com, Dec. 10, 2007.

Live Surgery

1. Robotic Low Anterior Resection. 2007 Robotic Surgery Symposium. Seoul, Korea. July 15, 2007.
2. Robotic Low Anterior Resection. Yonsei daVinci Live 2008. Seoul, Korea. July 12, 2008.

Miscellaneous

Korean National Personnel Licensing Examination Board (한국보건의료인국가시험원), Invited to make exam questions for the Korean National Doctors' Licensing Exam, Aug. 31-Sept. 2, 2012, June 6-8, 2013.

Korean National Review Board for the Evaluation of Stoma Patients According to Disability Level, 3-4 times a month, started 2013 – present

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