

Curriculum Vitae

Seung-Bum Ryoo, MD, PhD.

1. Occupation

Clinical Associate Professor

Division of Colorectal Surgery, Department of Surgery

Seoul National University Hospital

Seoul National University College of Medicine

2. Education

1994 ~ 2001, Seoul National University College of Medicine, MD.

2005 ~ 2011, Seoul National University College of Medicine, MS.

2011 ~ 2017, Seoul National University College of Medicine, PhD.

3. Experiences

2001 ~ 2002, Internship, Seoul National University Hospital

2002 ~ 2006, Residency, Department of Surgery, Seoul National University Hospital

2006 ~ 2009, Public Health Doctor as Mandatory Military Service, Korea

2009 ~ 2010, Fellowship, Division of Colorectal Surgery, Department of Surgery, Seoul National University Hospital

2010 ~ 2012, Staff, Division of Colorectal Surgery, Department of Surgery, Dongnam Inst. of Radiology & Medical Science

2012 ~ 2014, Clinical Instructor, Division of Colorectal Surgery, Department of Surgery, Seoul National University Hospital

2014 ~ 2018, Clinical Assistant Professor, Division of Colorectal Surgery, Department of Surgery, Seoul National University Hospital

2017 ~ 2019, Visiting Scholar, Department of Physiology & Cell Biology, School of Medicine, University of Nevada Reno

2018 ~ , Clinical Associate Professor, Division of Colorectal Surgery, Department of Surgery, Seoul National University Hospital

4. Position

2019. 05 ~ 2022.05, Division Chief, Division of Colorectal Surgery, Department of Surgery, Seoul National University Hospital

2019. 06 ~ 2022.05, Chair of Colorectal Cancer Center, Seoul National University Hospital

5. Social Works

2015. 05 ~ 2017. 07 Member, Clinical Practice Guidelines Committee, Korean Society of Coloproctology

2017. 05 ~ 2021.04, Member, Education and Training Committee, Korean Society of Coloproctology

2019. 03 ~ 2020.10 Secretary, International Committee, Korean Surgical Society

2019. 03 ~ 2020. 05 Member, Education Committee, Korean Hernia Society

2019. 06 ~ 2020. 05 Member, Clinical Practice Guidelines Committee, Korean Hernia Society

2019. 05 ~ 2021. 04 Member, Scientific Programs Committee, Korean Society of Coloproctology

2019. 05 ~ 2021. 04 Member, Clinical Practice Guidelines Committee, Korean Society of Coloproctology

2019. 05 ~ Present, Member, Scientific Programs Committee, Korean Society of Neurogastroenterology & Motility

2019. 05 ~ Present, Member, Publication Committee, Korean Society of Neurogastroenterology & Motility

2020. 06 ~ 2022. 05 Member, Scientific Programs Committee, Korean Hernia Society

2021. 05 ~ 2023.04 Vice Secretary General, Korean Society of Coloproctology

2022.09 ~ 2024.08 Vice Secretary General, Biennial Congress Committee, International Society of University Colon and Rectal Surgeons 2024

4. Publications (Main Author)

1) **Yu SB**, Kim HY, Eo H, Won JK, Jung SE, Park KW, Kim WK. Clinical characteristics and prognosis of pediatric hepatocellular carcinoma. World J Surg. 2006 Jan;30(1):43-50.

2) **Ryoo SB**, Oh HK, Ha HK, Moon SH, Choe EK, Park KJ. The outcomes and prognostic

factors of surgical treatment for ischemic colitis: What can we do for a better outcome?
Hepatogastroenterology. 2014 Mar-Apr;61(130):336-342.

- 3) **Ryoo SB**, Oh HK, Han EC, Ha HK, Moon SH, Choe EK, Park KJ. Complications after ileal pouch-anal anastomosis in Korean patients with ulcerative colitis. *World J Gastroenterol*. 2014 Jun 21;20(23):7488-96.
- 4) **Ryoo SB**, Oh HK, Han EC, Song YS, Seo MS, Choe EK, Moon SH, Park KJ. Comparison between a new electronic bidet and conventional sitz baths: a manometric evaluation of the anal resting pressure in normal healthy volunteers. *Tech Coloproctol*. 2015 Sep;19(9):535-40.
- 5) **Ryoo SB**, Kim JS, Kim MS, Kim K, Yu SA, Bae MJ, Oh HK, Moon SH, Choe EK, So I, Park KJ. High-Dose Radiation-Induced Changes in Murine Small Intestinal Motility: Are the Changes in the Interstitial Cells of Cajal or in the Enteric Nervous System? *Radiat Res*. 2016 Jan;185(1):39-49.
- 6) Choi S, **Ryoo SB**, Park KJ, Kim DS, Song KH, Kim KH, Chung SS, Shin EJ, Cho YB, OH ST, Kang WK, Kim MH. Autologous adipose tissue-derived stem cells for the treatment of complex perianal fistulas not associated with Crohn's disease: a phase II clinical trial for safety and efficacy. *Tech Coloproctol*. 2017 May; 21(5):345–353
- 7) **Ryoo S**, Song YS, Seo MS, Oh HK, Choe EK, Park KJ. The Effect of Electronic Toilet System (Bidet) on Anorectal Pressure in Normal Healthy Volunteers: Influence of Different Types of Water Stream and Temperature. *J Korean Med Sci*. 2011 Jan;26(1):71-77.
- 8) **Ryoo SB**, Oh HK, Yu SA, Moon SH, Choe EK, Oh TY, Park KJ. The Effects of Eupatilin (Stillen®) on Motility of Human Lower Gastrointestinal Tracts. *Korean J Physiol Pharmacol*. 2014 Oct;18(5):383-390.
- 9) **Ryoo SB**, Oh HK, Moon SH, Choe EK, Yu SA, Park SH, Park KJ. Electrophysiological

and Mechanical Characteristics in Human Ileal Motility: Recordings of Slow Waves Conductions and Contractions, In vitro. Korean J Physiol Pharmacol. 2015 Nov;19(6):533-42.

- 10) **Ryoo SB**, Oh HK, Ha HK, Han EC, Kwon YH, Song I, Moon SH, Choe EK, Park KJ. Outcomes of surgical treatments for rectovaginal fistula and prognostic factors for successful closure: a single-center tertiary hospital experiences. Ann Surg Treat Res. 2019 Sep;97(3):149-156.
- 11) **Ryoo SB**, Oh HK, Ha HK, Choe EK, Moon SH, Park KJ. Operative Treatment with a Laparotomy for Anorectal Problems Arising from a Self-Inserted Foreign Body. J Korean Soc Coloproctol. 2012 Feb;28(1):56-60. (Case Report)
- 12) Han EC, **Ryoo SB**, Park BK, Park JW, Lee SY, Oh HK, Ha HK, Choe EK, Moon SH, Jeong SY, Park KJ. Surgical outcomes and prognostic factors of emergency surgery for colonic perforation: would fecal contamination increase morbidity and mortality? Int J Colorectal Dis. 2015 Nov;30(11):1495-504.
- 13) **Han EC**, Ryoo SB, Park JW, Yi JW, Oh HK, Choe EK, Ha HK, Park BK, Moon SH, Jeong SY, Park KJ. Oncologic and surgical outcomes in colorectal cancer patients with liver cirrhosis: A propensity-matched study. PLoS One. 2017 Jun 6;12(6):e0178920.
- 14) **Sohn B**, **Kwon Y**, Ryoo SB, Song I, Kwon YH, Lee DW, Moon SH, Park JW, Jeong SY, Park KJ. Predictive Factors for Lymph Node Metastasis and Prognostic Factors for Survival in Rectal Neuroendocrine Tumors. J Gastrointest Surg. 2017 Dec;21(12):2066-2074.
- 15) **Ryoo SB**, Park H, Han YD, Moon HG, Kim HJ, Yoon KC, Bae J, Park YJ, Cho JY, Jeong WK, Jeong SY; International Affairs Committee of the Korean Surgical Society. A survey investigating the current situation of the international visiting scholar program at the department of surgery in Korea Ann Surg Treat Res. 2020 Oct;99(4):189-196.

- 16) **Ryoo SB**, Park JW, Lee DW, Lee MA, Kwon YH, Kim MJ, Moon SH, Jeong SY, Park KJ. Anterior resection syndrome: a randomized clinical trial of a 5-HT3 receptor antagonist (ramosetron) in male patients with rectal cancer. *Br J Surg*. 2021 Jun 22;108(6):644-651.
- 17) **Lee K, Park SO, Choi PC, Ryoo SB**, Lee H, Peri LE, Zhou T, Corrigan RD, Yanez AC, Moon SB, Perrino BA, Sanders KM, Koh SD. Molecular and functional characterization of detrusor PDGFR α positive cells in spinal cord injury-induced detrusor overactivity. *Sci Rep*. 2021 Aug 11;11(1):16268.
- 18) **Jung HS, Ryoo SB**, Lim HK, Kim MJ, Moon SH, Park JW, Jeong SY, Park KJ. Tumor Size >5 cm and Harvested LNs <12 Are the Risk Factors for Recurrence in Stage I Colon and Rectal Cancer after Radical Resection. *Cancers (Basel)*. 2021 Oct 21;13(21):5294.
- 19) **Lee KY, Lee J**, Han EC, Kwon YH, Ryoo SB, Park KJ. Coring-out fistulectomy for perianal cryptoglandular fistula: a retrospective cohort study on 20 years of experience at a single center. *Ann Surg Treat Res*. 2022 Mar;102(3):167-175.
- 20) **Lee KY, Sung TS, Koh BH, Ryoo SB**, Chun JN, Kim SH, Park KJ, So I. Distribution and Function of Platelet-derived Growth Factor Receptor Alpha-positive Cells and Purinergic Neurotransmission in the Human Colon: Is It Different Between the Right and Left Colon? *J Neurogastroenterol Motil*. 2022 Oct 30;28(4):678-692.
- 21) **Khamzina S, Lee J, Ryoo SB**, Kim MJ, Park JW, Kang HC, Chie EK, Lee DW, Han SW, Kim TY, Jeong SY, Park KJ. Standard versus longer interval of radical resection after neoadjuvant chemoradiotherapy in locally advanced rectal cancer: A 20-year single-center experience & propensity-score matching. *J Surg Oncol*. 2023 Jan;127(1):119-131.
- 22)

5. Books

- 1) 쿠퍼 인대 봉합술, 대한탈장학회(역), 탈장수술, 서울, 바이오메디북, 2014: 61-70
- 2) Oh HK, Ryoo SB, Park KJ. Right Colon Diverticulitis, In: Bernadette Dawson, editor. Diverticular Disease and Diverticulitis. New York: Nova Science Publishers; 2015: 101-126
- 3) 염증성장질환, 대한외과학회, 외과학, 제2판, 파주, 군자출판사, 2017: 765-782
- 4) 서혜부 탈장교정술, 대한외과학회, 외과수술아틀라스, 제2판. 파주, 군자출판사; 2020: 235-246

6. 수상내역

- 1) 2011.02.28 서울대학교 의과대학, 공로상
- 2) 2012.12.31 서울대학교 병원, 우수전공의상(의무기록)
- 3) 2011.04.03 대한대장항문학회, 제44차 학술대회, 로슈 우수연제학술상, E Eupatilin (Stillen[®])이 인체 회장 및 대장 평활근의 운동성에 미치는 효과 (유승범/박규주)
- 4) 2014.09.21 대한대장항문학회, International Colorectal Research Summit 2014, Best Poster Award, Allogenic Adipose-Derived Stem Cells for the Treatment of Perianal Fistula in Crohn's Disease: A Pilot Study of Clinical Trials (유승범/박규주)
- 5) 2017.09.03 대한대장항문학회, International Colorectal Research Summit 2018, 우수포스터학술상, Tumor deposits as prognostic factor in colorectal cancer with

regional lymph node metastasis (이동운/유승범)

- 6) 2018.09.09 대한대장항문학회, International Colorectal Research Summit 2018, 우수포스터학술상, Tumor deposits as prognostic factor in colorectal cancer with regional lymph node metastasis (이동운/유승범)
- 7) 2021.09.05 대한대장항문학회, International Colorectal Research Summit 2021, Outstanding Oral Presentation Award, Randomized Controlled Study to Evaluate the Efficacy and Convenience of Electronic Bidet Compared to Conventional Sitz Bath for Pain Control and Wound Healing after Hemorrhoidectomy (권윤희/유승범)
- 8) 2022.04.03 대한대장항문학회, 제55차 학술대회, 우수포스터상, Tumor Grade is an Important Factor to Decide Radical Resection for 1-2cm Sized Small Rectal Neuroendocrine Tumor (최진선/유승범)