

CURRICULUM VITAE

Personal Information

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Education and Professional Experience

2018~Present	CEO, Erop Co., Ltd
2014~Present	Professor, School of medicine, Kyungpook National University
2015~2017	Visiting professor, Center for System Biology, Harvard Medical School
2010~2013	Assistant Professor, School of medicine, Kyungpook National University
2009~2010	Clinical Assistant Professor, Kyungpook National University Hospital
2007~2009	Clinical Fellow, Chung-Ang University Hospital
2006~2007	Clinical Fellow, Seoul National University Bundang Hospital
2002~2006	General Surgery Residency, Chung-Ang University Hospital
2001~2002	Rotation Internship ,Chung-Ang University Hospital
1995~2001	Chung-Ang University, School of Medicine

Academic Associations and Editorial Boards

20 ~Present	Member, Korean Society of Coloproctology
20 ~Present	Member, Surgical Treatment and Research

Publications

Books

2010. Atlas of Surgery. Korea : KOONJA PUBLISHING INC.
2009. 핵심외과학. Korea : KOONJA PUBLISHING INC.
2008. Bates' 포켓 진단학. Korea : KOONJA PUBLISHING INC.

Journal Articles

First author

Woo IT, Park JS, Kang BW, Park SY, Kim HJ, Choi GS, Gwang Kim J. Impact of Anatomic Extent of Nodal Metastasis on Adjuvant Chemotherapy Outcomes in Stage III Colon Cancer. Diseases of the colon and rectum. 2020 ;63(10):1455-1465.
Park JS, Park SY, Kim HJ, Cho SH, Kwak SG, Choi GS. Long-term Oncologic Outcomes After Neoadjuvant Chemoradiation Followed by Intersphincteric Resection With Coloanal Anastomosis for Locally Advanced Low Rectal Cancer. Diseases of the colon and rectum. 2019;62(4):408-416
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Park JS, Kang H, Park SY, Kim HJ, Lee IT, Choi GS. Long-term outcomes after Natural Orifice Specimen Extraction versus conventional laparoscopy-assisted surgery for rectal cancer: a matched case-control study. Annals of Surgical Treatment and Research. 2018 ;94(1):26-35.
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Park JS, Kim NK, Kim SH, Lee KY, Lee KY, Shin JY, Kim CN, Choi GS; Korean Laparoscopic Colorectal Surgery Study Group. Multicentre study of robotic intersphincteric resection for low rectal cancer. The British journal of surgery. 2015 ;102(12):1567-73.
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Park JS, Choi GS, Jun SH, Park SY, Kim HJ. Annals of surgical oncology. Long-Term Outcomes After Laparoscopic Surgery Versus Open Surgery for Rectal Cancer: A Propensity Score Analysis. 2013 ;20(8):2633-40.
Park JS, Choi GS, Kim SH, Kim HR, Kim NK, Lee KY, Kang SB, Kim JY, Lee KY, Kim BC, Bae BN, Son GM, Lee SI, Kang H. Multicenter Analysis of Risk Factors for Anastomotic Leakage After Laparoscopic Rectal Cancer Excision The Korean Laparoscopic Colorectal Surgery Study Group. Annals of surgery. 2013 ;257(4):665-71.
Park JS, Choi GS, Park SY, Kim HJ, Ryuk JP. Randomized clinical trial of robot-assisted versus standard laparoscopic right colectomy. The British journal of surgery. 2012 ;99(9):1219-26.

Park JS, Choi GS, Hasegawa S, Sakai Y, Huh JW, Kim HR, Kwak SG. Validation of the seventh edition of the American Joint Committee on cancer tumor node-staging system in patients with colorectal carcinoma in comparison with sixth classification. <i>Journal of surgical oncology</i> . 2012 ;106(6):674-9.
Park JS, Choi GS, Lim KH, Jang YS, Kim HJ, Park SY, Jun SH. Laparoscopic extended lateral pelvic node dissection following total mesorectal excision for advanced rectal cancer: initial clinical experience. <i>Surgical endoscopy</i> . 2011 ;25(10):3322-9.
Park JS, Cha SJ, Kim BG, Choi YS, Kwon GY, Kang H, An SS. An Assessment of the Effects of a Hyaluronan-Based Solution on Reduction of Postsurgical Adhesion Formation in Rats: A Comparative Study of Hyaluronan-Based Solution and Two Film Barriers. 2011 ;168(1):49-55.
Park JS, Choi GS, Kim HJ, Park SY, Jun SH. Natural orifice specimen extraction versus conventional laparoscopically assisted right hemicolectomy. <i>The British journal of surgery</i> . 2011 ;98(5):710-5.
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Park JS, Choi GS, Jang YS, Jun SH, Kang H. Influence of Obesity on the Serum Carcinoembryonic Antigen Value in Patients with Colorectal Cancer. <i>Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer</i> . 2010 ;19(10):2461-8.
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Park JS, Cha SJ, Kim BG, Kim YS, Choi YS, Chang IT, Kim GJ, Lee WS, Kim GH. Intrauterine midgut volvulus without malrotation: Diagnosis from the 'coffee bean sign'. <i>World journal of gastroenterology</i> . 2008 ;14(9):1456-8.
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Park JS, Kang SB, Kim SW, Cheon GN. Economics and the laparoscopic surgery learning curve: Comparison with open surgery for rectosigmoid cancer. <i>World journal of surgery</i> . 2007 ;31(9):1827-34.

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Co-author

Baek SH, Song HW, Lee S, Kim JE, Kim YH, Wi JS, Ok JG, Park JS, Hong S, Kwak MK, Lee HJ, Nam SW. Gold Nanoparticle-Enhanced and Roll-to-Roll Nanoimprinted LSPR Platform for Detecting Interleukin-10. *Frontiers in chemistry*. 2020;8:285.

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Cho HJ, Baek JH, Baek DW, Kang BW, Lee SJ, Kim HJ, Park SY, Park JS, Choi GS, Kim JG. Prognostic Significance of Clinicopathological and Molecular Features After Neoadjuvant Chemoradiotherapy in Rectal Cancer Patients. *In Vivo*. 2019;33(6):1959-1965.

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Yang CS, Choi GS, Park JS, Park SY, Kim HJ, Choi JI, Han KS. Rectal tube drainage reduces major anastomotic leakage after minimally invasive rectal cancer surgery. *Colorectal disease*. 2016 ;18(12):O445-O452.

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Patent

Catheter for controlling a pain, Korea, 10-1872509-0000 (2018.06.22)
A Device for Protecting the Rectal Anastomosis, Korea, 10-1639012-0000(2016.07.06)
Device for protecting the rectal anastomosis, United States Patent, US 9,993,250 B2 (2018.06.12)
Method for providing sample size calculation service and Recording media therefor, Korea, 10-1061858-0000(2011.08.29)

Current research interest

comparing the long-term outcomes of robot-assisted right colectomy (RAC) with those for conventional laparoscopy-assisted right surgery (LAC) for treating right-sided colon cancer
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Predicting response for neoadjuvant chemoradiotherapy in locally advanced rectal cancer : A good pathologic response to neoadjuvant chemoradiotherapy (CRT) in locally advanced rectal cancer (LARC) is associated with a better prognosis. However, there is no effective method to predict CRT response in LARC patients. Therefore, this study used whole-exome sequencing (WES) to identify novel biomarker predicting CRT benefit in LARC.

Conference Presentations

“RCT of robot-assisted versus standard laparoscopic right colectomy”, 5th Worldwide Congress, 2013.10.04
“Practical Guideline of Parenteral Nutrition”, 2013년 제11회 대한외과대사영양학회 학술대회, 2013.09.14
“accuracy of preoperative magnetic resonance imaging in prediction of pathological stage in rectal cancer: node-for-node matched histologic validation of MRI imaging features”, Annual Scientific Meeting, 2013.04.27
“Selective Pelvic Sidewall Dissection as an Ancillary Intervention for Clinically Persistent Lateral Pelvic Nodes Following Neoadjuvant Therapy”, 대한대장항문학회 제46차 학술대회, 2013.04.06
“Quantitative real time RT-PCR detection for circulating tumor cells, including cancer stem-like cells, in peripheral blood of colorectal cancer patients”, 2nd The University of Tokyo-Kyungpook National University Medical Center, 2013.03.30
“Laparoscopic experience. Is it mandatory for robot?”, 2012 ARCCS, 2012.10.12
“Male urinary and sexual dysfunction after laparoscopic versus robot-assisted TME for rectal cancer”, 대한대장항문학회 제45차 학술대회, 2012.04.06
“Clinical and pathologic comparison between early and late recurrence of colorectal cancer”, 대한대장항문학회 제45차 학술대회, 2012.04.06
“Prognostic value of preoperative clinical staging assessed by radiologic imaging in patients with rectal cancer”, 대한대장항문학회 제45차 학술대회, 2012.04.06
“Laparoscopy versus open surgery for rectal cancer ; long term outcomes of an analysis using propensity score analysis”, 대한대장항문학회 제45차 학술대회, 2012.04.06
“Effects of intraperitoneal chemotherapy on colorectal cancer patients with or without peritoneal carcinomatosis”, 대한대장항문학회 제45차 학술대회, 2012.04.06
“Comparison of intracorporeal single stapled and double-stapled anastomosis in Lap LAR for rectal cancer” 대한대장항문학회 제45차 학술대회, 2012.04.06
“Clinical factor associated with anastomotic leakage following rectal cancer surgery”, 대한대장항문학회 제45차 학술대회, 2012.04.06
“Clinical Outcome of Natural Orifice Specimen Extraction (NOSE)”, 2012 International Congress of the Korean Society of Endoscopic & Laparoscopic Surgeons, 2012.03.30
“대장암의 수술적 치료의 최신지견”, 제1회 개원의를 위한 연수교육, 2012.03.18
“Robotics for colorectal cancer”, 제 11회 대구경북외과학회 연수강좌, 2011.12.04
“Case-matched study of NOSE versus conventional laparoscopically assisted anterior resection”, 2011년 제 63차 대한외과학회 학술대회, 2011.11.26
“COLRAR trial (Comparison of Laparoscopic vs. Robot-Assisted Surgery for Rectal Cancer)”, 제 63차 대한외과학회 학술대회, 2011.11.24
“Accuracy of preoperative MRI in prediction of pathological stage in rectal cancer: node for node matched histologic validation”, ESCP 2011, 2011.09.22
“Randomized controlled trial of robot versus laparoscopic right colectomy with D3 node dissection for colon cancer”, 2011 ELSA, 2011.08.11
“Clinical outcome of laparoscopic right hemicolectomy with transvaginal resection, anastomosis and retrieval of specimen”, International association of surgeons, gastroenterologists and oncologists, 2011.07.02

Fund & Project

DNA-barcode 기술을 응용한 대장암 엑소좀 포괄 분석 및 임상 응용, 2016.11~2019.10, National Research Foundation of Korea, KRW150,000,000
동경대-경북대 대장항문 합동 심포지엄, 2017.04~2018.03, National Research Foundation of Korea, KRW8,000,000
자연 개구부를 통한 직장암 수술의 장기 종양학적 안전성 고찰에 관한 연구, 2015.03~2018.02, Kyungpook National University, KRW27,750,000
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감시 림프절 생검술을 응용한 대장암 줄기 세포 진단기법 개발에 관한 연구, 2012.12~2015.11, National Research Foundation of Korea, KRW303,000,000
대장암에서 배가로근막 신경 차단을 통한 치료법 개발에 관한 연구, 2014.03~2015.02, Kyungpook National University, KRW3,000,000
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직장암에서 로봇 수술의 임상적 효용성 평가를 위한 전향적 무작위 비교 연구, 2010.09~2015.08, National Research Foundation of Korea, KRW153,735,000
직장암에서 로봇 수술의 종양학적 안전성 평가를 위한 전향적 비교 연구, 2010.04~2011.03, Kyungpook National University, KRW9,000,000
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Award

최우수 구연상, The Korean Society of Coloproctology, 2018.04
로슈 우수연제학술상, The Korean Society of Coloproctology, 2014.04
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