

Curriculum vitae
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Name HYOUNGIL KIM / 김형일 / 金亨一
Sex Male
Birth July 16, 1975
Nationality Republic of Korea

Position Associate Professor
Department of Surgery, Severance Hospital,
Yonsei University Health System, Seoul, Korea
Address Department of Surgery, Yonsei University College of Medicine
50 Yonsei-ro, Seodaemun-gu, Seoul 120-752, Korea

Contacts Tel : +82-2-2228-2100 Fax : +82-2-313-8289
Cellular Korea: +82-10-2556-4986
Email: cairus@yuhs.ac cairus1975@gmail.com

Education
2000 M.D. Yonsei University College of Medicine, Korea
2007 M.S. Yonsei University College of Medicine, Korea
2018 Ph.D. Seoul National University College of Medicine, Korea

License
2000 Licensed to Practice Medicine in Korea. #70288
2005 Korean Board of General Surgery. #5467

Training
2000 – 2001 Internship, Severance Hospital
Yonsei University College of Medicine, Seoul, Korea
2001 – 2005 Residency, Severance Hospital, Department of Surgery,
Yonsei University College of Medicine, Seoul, Korea
2005 – 2008 Public Health doctor, Xenotransplant Research Center
2008 – 2009 Fellowship, Severance Hospital, Department of Surgery
Yonsei University College of Medicine, Seoul, Korea
2009 – 2013 Clinical assistant professor, Department of Surgery
Yonsei University College of Medicine, Seoul, Korea
2013 – 2018 Assistant professor, Department of Surgery
Yonsei University College of Medicine, Seoul, Korea
2018 – 2020 Research fellow, Molecular Imaging,
Princess Margaret Cancer Centre, Univ. Health Network, Toronto
2019 –current Associate professor, Department of Surgery
Yonsei University College of Medicine, Seoul, Korea

Professional memberships

1999- Member, Korean Surgical Society
 2008- Member, Korean Gastric Cancer Association (KGCA)
 2008- Member, The Korean Society for Parenteral and Enteral Nutrition
 2009- Member, The Korean Society of Gastroenterology
 2010- Member, Korean Cancer Association
 2013- Member, Korean Society of Clinical Oncology
 2014- Member, Korean Society of Surgical Oncology
 2016- Member, The Korean Society of Endoscopic & Laparoscopic Surgeons
 2021- Member, The Korean Association of Robotic Surgeons

Research projects ongoing or completed

2011 (**A110154**) Prediction of gastric cancer prognosis using microsatellite instability and tumor infiltrating regulatory T lymphocytes

2013 (**2013R1A1A1007706**) Investigation on the tumor infiltrating lymphocytes according to cancer phenotype change in synchronous, metachronous, metastatic gastric cancer

2016 (**2016R1A2B4014984**) Investigation on immune monitoring parameters as a prognostic biomarker in gastric cancer malignancies

2017 (**2017M3A9C8064887**) Development of Autologous memory T cell/DC therapy for Gastric Cancer through targeting the hidden multi-epitopes

2018 (**Intuitive surgical clinical research grant**) Prospective comparison of surgical outcomes with using integrated robotic technology versus conventional laparoscopy for gastric cancer surgery

2019 (**2019R1H1A2079953**) IHC and transcriptomic analysis of tumor infiltrating immune cells

2021 (**KHIDI**) Cohort study comparing surgeon stress, utilization of surgical instruments, surgical outcomes according to surgical approach for gastrectomy

Publications, *corresponding author

1. Kim DG, Seo WJ, Cho M, Kim YM, Huh KH, Cheong JH, Hyung WJ, Kim MS, Kim HI*. Perioperative, short-, and long-term outcomes of gastric cancer surgery: Propensity score-matched analysis of patients with or without prior solid organ transplantation. **Eur J Surg Oncol** 2021.
2. Guner A, Cho M, Kim YM, Cheong JH, Hyung WJ, Kim HI*. Prognostic Value of Postoperative Neutrophil and Albumin: Reassessment One Month After Gastric Cancer Surgery. **Front Oncol** 2021;11:633924.
3. Choi S, Song JH, Lee S, Cho M, Kim YM, Hyung WJ, Kim HI*. Surgical Merits of Open, Laparoscopic, and Robotic Gastrectomy Techniques with D2 Lymphadenectomy in Obese Patients with Gastric Cancer. **Ann Surg Oncol** 2021.

4. Kim J, Han SH, Kim HI*. Detection of sarcopenic obesity and prediction of long-term survival in patients with gastric cancer using preoperative computed tomography and machine learning. **J Surg Oncol** 2021.
5. Kim HI, Wilson BC. Photodynamic Diagnosis and Therapy for Peritoneal Carcinomatosis from Gastrointestinal Cancers: Status, Opportunities, and Challenges. **J Gastric Cancer** 2020;20:355-75.
6. Roh CK, Choi S, Seo WJ, Cho M, Choi YY, Son T, Hyung WJ, Kim HI*. Comparison of surgical outcomes between integrated robotic and conventional laparoscopic surgery for distal gastrectomy: a propensity score matching analysis. **Sci Rep** 2020;10:485.
7. Kim HI, Kim SY, Yu JE, Shin SJ, Roh YH, Cheong JH, Hyung WJ, Noh SH, Park CG, Lee HJ. Contrasting Prognostic Effects of Tumor-Infiltrating Lymphocyte Density in Cardia and Non-cardia Gastric Adenocarcinomas. **J Gastric Cancer** 2020;20:190-201.
8. Cha JH, Kim JH, Kim HI*, Jung DH, Park JJ, Youn YH, Park H, Choi SH, Cheong JH, Hyung WJ, Noh SH. The optimal timing of additional surgery after non-curative endoscopic resection to treat early gastric cancer: long-term follow-up study. **Sci Rep** 2019;9:18331.
9. Shin SJ, Kim SY, Choi YY, Son T, Cheong JH, Hyung WJ, Noh SH, Park CG, Kim HI*. Mismatch Repair Status of Gastric Cancer and Its Association with the Local and Systemic Immune Response. **Oncologist** 2019;24:e835-e844
10. Guner A, Kim HI*. Biomarkers for Evaluating the Inflammation Status in Patients with Cancer. **J Gastric Cancer** 2019;19:254-77.
11. Guner A, Kim SY, Yu JE, Min IK, Roh YH, Roh C, Seo WJ, Cho M, Choi S, Choi YY, Son T, Cheong JH, Hyung WJ, Noh SH, Kim HI*. Parameters for Predicting Surgical Outcomes for Gastric Cancer Patients: Simple Is Better Than Complex. **Ann Surg Oncol** 2018;25:3239-47.
12. Lee S, Kim JK, Kim YN, Jang DS, Kim YM, Son T, Hyung WJ, Kim HI*. Safety and feasibility of reduced-port robotic distal gastrectomy for gastric cancer: a phase I/II clinical trial. **Surg Endosc** 2017;31:4002-9.
13. Lee S, Choi S, Kim SY, Yun MJ, Kim HI*. Potential Utility of FDG PET-CT as a Non-invasive Tool for Monitoring Local Immune Responses. **J Gastric Cancer** 2017;17:384-93.
14. Yang SY, Roh KH, Kim YN, Cho M, Lim SH, Son T, Hyung WJ, Kim HI*. Surgical Outcomes After Open, Laparoscopic, and Robotic Gastrectomy for Gastric Cancer. **Ann Surg Oncol** 2017;24:1770-7.
15. Kim HI, Han SU, Yang HK, Kim YW, Lee HJ, Ryu KW, Park JM, An JY, Kim MC, Park S, Song KY, Oh SJ, Kong SH, Suh BJ, Yang DH, Ha TK, Kim YN, Hyung WJ. Multicenter Prospective Comparative Study of Robotic Versus Laparoscopic Gastrectomy for Gastric Adenocarcinoma. **Ann Surg** 2016;263:103-9.
16. Choi YY, Lee JE, Kim H, Sim MH, Kim KK, Lee G, Kim HI, An JY, Hyung WJ, Kim CB, Noh SH, Kim S, Cheong JH. Establishment and characterisation of patient-derived xenografts as preclinical models for gastric cancer. **Sci Rep** 2016;6:22172.

17. Lee JY, Kim HI*, Kim YN, Hong JH, Alshomimi S, An JY, Cheong JH, Hyung WJ, Noh SH, Kim CB. Clinical Significance of the Prognostic Nutritional Index for Predicting Short- and Long-Term Surgical Outcomes After Gastrectomy: A Retrospective Analysis of 7781 Gastric Cancer Patients. **Medicine (Baltimore)** 2016;95:e3539.
18. Lee JY, Son T, Cheong JH, Hyung WJ, Noh SH, Kim CB, Park CG, Kim HI*. Association between Chemotherapy-Response Assays and Subsets of Tumor-Infiltrating Lymphocytes in Gastric Cancer: A Pilot Study. **J Gastric Cancer** 2015;15:223-30.
19. Kim DG, Kim HI*, Guner A, Cho I, Kwon IG, Choi YY, Shin HB, Hyung WJ. Liver retraction by double-sling suture for laparoscopic gastrectomy. **J Laparoendosc Adv Surg Tech A** 2015;25:112-6.
20. Kim YN, Yoo YC, Guner A, Cho I, Kwon IG, Kim YN, Kim HI*. Comparison of perioperative surgical outcomes between a bipolar device and an ultrasonic device during laparoscopic gastrectomy for gastric cancer. **Surg Endosc** 2015;29:589-95.
21. Kim HI, Hur H, Kim YN, Lee HJ, Kim MC, Han SU, Hyung WJ. Standardization of D2 lymphadenectomy and surgical quality control (KLASS-02-QC): a prospective, observational, multicenter study [NCT01283893]. **BMC Cancer** 2014;14:209.
22. Kim HI, Park MS, Song KJ, Woo Y, Hyung WJ. Rapid and safe learning of robotic gastrectomy for gastric cancer: Multidimensional analysis in a comparison with laparoscopic gastrectomy. **Eur J Surg Oncol** 2014;40:1346-54.
23. Kim HI, Cho I, Jang DS, Hyung WJ. Intracorporeal esophagojejunostomy using a circular stapler with a new purse-string suture technique during laparoscopic total gastrectomy. **J Am Coll Surg** 2013;216:e11-6.
24. Kim HI, Cheong JH, Song KJ, An JY, Hyung WJ, Noh SH, Kim CB. Staging of Adenocarcinoma of the Esophagogastric Junction: Comparison of AJCC 6th and 7th Gastric and 7th Esophageal Staging Systems. **Ann Surg Oncol** 2013;20:2713-20.
25. Hu Y, Kim HI*, Hyung WJ, Song KJ, Lee JH, Kim YM, Noh SH. Vitamin B(12) deficiency after gastrectomy for gastric cancer: an analysis of clinical patterns and risk factors. **Ann Surg** 2013;258:970-5.
*Co-first
26. Kim HI, Woo Y, Hyung WJ. Laparoscopic distal gastrectomy with an intracorporeal gastroduodenostomy using a circular stapler. **J Am Coll Surg** 2012;214:e7-13.
27. Kim HI, Kim H, Cho HW, Kim SY, Song KJ, Hyung WJ, Park CG, Kim CB. The ratio of intra-tumoral regulatory T cells (Foxp3+)/helper T cells (CD4+) is a prognostic factor and associated with recurrence pattern in gastric cardia cancer. **J Surg Oncol** 2011;104:728-33.
28. Kim HI, Hyung WJ, Song KJ, Choi SH, Kim CB, Noh SH. Oral vitamin B12 replacement: an effective treatment for vitamin B12 deficiency after total gastrectomy in gastric cancer patients. **Ann Surg Oncol** 2011;18:3711-7.

29. Kim HI, Hyung WJ, Lee CR, Lim JS, An JY, Cheong JH, Choi SH, Noh SH. Intraoperative portable abdominal radiograph for tumor localization: a simple and accurate method for laparoscopic gastrectomy. **Surg Endosc** 2011;25:958-63.
30. Kim HI, Yu JE, Park CG, Kim SJ. Comparison of four pancreatic islet implantation sites. **J Korean Med Sci** 2010;25:203-10.
31. Kim HI, Lee SY, Jin SM, Kim KS, Yu JE, Yeom SC, Yoon TW, Kim JH, Ha J, Park CG, Kim SJ. Parameters for successful pig islet isolation as determined using 68 specific-pathogen-free miniature pigs. **Xenotransplantation** 2009;16:11-8.
32. Kim HI, Yu JE, Lee SY, Sul AY, Jang MS, Rashid MA, Park SG, Kim SJ, Park CG, Kim JH, Park KS. The effect of composite pig islet-human endothelial cell grafts on the instant blood-mediated inflammatory reaction. **Cell Transplant** 2009;18:31-7.