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Major Field	**Upper GI cancer, endoscopy, AI, stem cell**

Educational Background

Mar. 1994 - Feb. 2000	**: Medical Degree** **Yonsei University, College of Medicine, Seoul, Korea**
Sept. 2002 - Aug. 2004	**: Master of Medicine** **Graduate School, Yonsei University, Seoul, Korea**
Mar. 2006 – Feb. 2009	**: Doctor of Philosophy** **Graduate School, Yonsei University, Seoul, Korea**

Professional Experience

Mar. 2009 - Feb. 2015: Assistant Professor, Gangnam Severance Hospital, Division of Gastroenterology, Department of Internal Medicine, Yonsei University, College of Medicine

Mar. 2016 – Feb. 2017: Visiting professor, Laboratory of Immunology & Infectious Diseases, Graduate School of Medical Science & Engineering (GSMSE), KAIST, Daejeon, Korea

Mar. 2015 - Feb. 2020: Associate Professor, Gangnam Severance Hospital, Division of Gastroenterology, Department of Internal Medicine, Yonsei University, College of Medicine

Mar.2020- : Professor, Gangnam Severance Hospital, Division of Gastroenterology, Department of Internal Medicine, Yonsei University, College of Medicine

Main Scientific Publications

- Kang D, Jeon HJ, Kim JH (Correspondence), et al. Enhancing lymph node metastasis risk prediction in early gastric cancer through the integration of endoscopic images and real-world data in a multimodal AI model. Cancers 2025;17: 869.

- Kim Y, Keum J, Kim JH (Correspondence), et al. Real-world colonoscopy video integration to improve artificial intelligence polyp detection performance and reduce manual annotation labor. Diagnostics 2025;15: 901.

- Joo S, Bae Y, Fang S, Kim JH (Correspondence), et al. One-carbon metabolic pathway is a novel molecular signature for CD44-positive intestinal-type gastric cancer. Cell Death Discovery 2025;11:399.

- Kim MJ, Je Y, Kim JH (Correspondence), et al. *Helicobacter pylori* eradication is associated with a reduced risk of metachronous gastric neoplasia by restoring immune function in the gastric mucosa. Helicobacter 2025; 30:e70030.

- Je Y, Kim Y, Kim JH (Correspondence), et al. Tumor budding as an additional factor in determining the need for surgery after endoscopic resection in mucosal invasive gastric cancer: A retrospective study from a Korean tertiary hospital. Gut Liver 2025;19:559-568.

- Yoon BK, Bae Y, Kim JH (Correspondence), et al. Patient-Derived Organoids from Multiple Sites of a Single Tumor Recapitulates Intratumoral Heterogeneity in Patients with Gastric Cancer. Gut Liver (in press).

- Kim JH (1st author), Jung HY, Lee SW, et al. Evaluation of the Efficacy and Safety of DW1903 in Patients with Gastritis: A Randomized, Double-Blind, Noninferiority, Multicenter, Phase 3 study. Gut Liver 2024;18:70-76.

- Han SY, Yoon HJ, Kim JH (Correspondence), et al. Nomogram for pre-procedural prediction of non-curative endoscopic resection in patients with early gastric cancer. Surg Endosc 2023;37:4594-4603.

- Kim Y, Bae YJ, Kim JH (Correspondence), et al. Wnt/β-catenin pathway is a key signaling pathway to trastuzumab resistance in gastric cancer cells. BMC cancer 2023;23:922.

- Kim JH (Correspondence), Oh SI, et al. An Optimal Artificial Intelligence System for Real-Time Endoscopic Prediction of Invasion Depth in Early Gastric Cancer. Cancers 2022;14:6000.

- Kim YM, Kim JH (Correspondence), et al. Association between triglyceride-glucose index and gastric carcinogenesis: a health checkup cohort study. Gastric cancer 2022;25;33-41

- Kim JH, Kim YI, Ahn JY, et al. Long-term outcomes of endoscopic resection followed by additional surgery after non-curative resection in undifferentiated-type early gastric cancer: a nationwide multi-center study. Surg Endosc 2022;36:1847-1856.

- Kim YM, Kim JH (Correspondence), et al. SFRP4 and CDX1 Are Predictive Genes for Extragastric Recurrence of Early Gastric Cancer after Curative Resection. J Clin Med 2022;11:3072.

- Yeom JG, Kim JH (Correspondence), et al. Prognostic Significance of Interim Response Evaluation during Definitive Chemoradiotherapy for Locally Advanced Esophageal Squamous Cell Carcinoma. Cancers 2021;13:1255.

- Shin SY, Kim JH (Correspondence), et al. Clinicopathologic Features of Submucosal

Papillary Gastric Cancer Differ from Those of Other Differentiated-Type Histologies. Gut Liver 2021;15:44-52.

- Yoon HJ, Kim JH (Correspondence), et al. Risk of Cancer Following the Use of N-Nitrosodimethylamine (NDMA) Contaminated Ranitidine Products: A Nationwide Cohort Study in South Korea. J Clin Med 2021;10:153.

- Kim JH, Han KD, et al. Association Between the National Cancer Screening Programme (NSCP) for Gastric Cancer and Oesophageal Cancer Mortality. Br J Cancer 2020;123:480-486.

- Ma DW, Lee SJ, Kim JH (Correspondence), et al. The suggestion of revised criteria for endoscopic resection of differentiated-type submucosal gastric cancer. Ann Surg Oncol 2020;27(3):795-801.

- Kim Y, Yoon HJ, Kim JH (Correspondence), et al. Effect of histologic differences between biopsy and final resection on treatment outcomes in early gastric cancer. Surg Endosc 2020;34:5046-5054.

- Mo JW, Kim YM, Kim JH (Correspondence), et al. Clinical outcomes after multiple self-expandable metallic stent placement using stent-in-stent technique for malignant gastric outlet obstruction. Medicine 2020;99(21):e19432.

- Kim YM, Lee KH, Kim JH (Correspondence), et al. Is Only Clarithromycin Susceptibility Important for the Successful Eradication of Helicobacter pylori? Antibiotics (Basel) 2020;9:589.

- . Yoon HJ, Kim JH (Correspondence). Lesion-Based Convolutional Neural Network in Diagnosis of Early Gastric Cancer. Clin Endosc 2020;53(2):127-131.