



Frontiers in Digestive Research and Practice

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Educational Background

M.D. Degree, Korea University College of Medicine, 2011

M.Sc. Degree, Korea University Graduate School, 2017

Ph.D Degree, Korea University Graduate School, 2021

Professional Experience

Resident, Korea University Anam Hospital, 2012-2016

Public health doctor, Epidemic intelligence officer Gangwon province, 2016-2019

Clinical Instructor, Korea University Anam Hospital, 2019-2021

Clinical Assistant Professor Korea University Anam Hospital, 2021- present

Main Scientific Publications

Kim S, Keum B, Byun J, Kim B, Lee K, Yeon J, Lee J, Choi H, Kim E, Jeon Y, Lee H, Chun H, Kim T. Colonic Mucosal Immune Activation in Mice with Ovalbumin-Induced Allergic Airway Disease: Association between Allergic Airway Disease and Irritable Bowel Syndrome. *Int J Mol Sci.* 2021 Dec 24;23(1):181

Kim SH, Kim BG, Choi HS, Hong D, Jang SH, Hong K, Choi JW, Kim SH, Lee JM, Kim ES, Keum B, Jeon YT, Lee HS, Chun HJ. Endoscopic submucosal dissection using a detachable assistant robot: a comparative in vivo feasibility study (with video). *Surg Endosc.* 2021 Oct;35(10):5836-5841. doi: 10.1007/s00464-021-08510-1. Epub 2021 Jun 18.

Kim, S.-H.; Choi, H.-S.; Keum, B.; Chun, H.-J. Robotics in Gastrointestinal Endoscopy. *Appl. Sci.* 2021, 11, 11351. <https://doi.org/10.3390/app112311351>

Kim S, Byun J, Jung S, Kim B, Lee K, Jeon H, Lee J, Choi H, Kim E, Jeon Y, Lee H, Chun H, Keum B, Kim T. Sirtuin 7 Inhibitor Attenuates Colonic Mucosal Immune Activation in Mice-Potential Therapeutic Target in Inflammatory Bowel Disease. *Biomedicines.* 2022 Oct 25;10(11):2693.

Kim SH, Kim C, Keum B, Im J, Won S, Kim BG, Kim K, Kwon T, Hong D, Jeon HJ, Choi HS, Kim ES, Jeon YT, Chun HJ, Hwang JH. A Novel Retractable Robotic Device for Colorectal Endoscopic Submucosal Dissection. *Gut Liver.* 2024 May 7. doi: 10.5009/gnl230280. Epub ahead of print.

Kim SH, Keum B, Kwak S, Byun J, Shin JM, Kim TH. Therapeutic Applications of Extracellular Vesicles in Inflammatory Bowel Disease. *Int J Mol Sci.* 2024 Jan 6;25(2):745. doi: 10.3390/ijms25020745. PMID: 38255819; PMCID: PMC10815267.

Kim SH, Kwon T, Choi HS, Kim C, Won S, Jeon HJ, Kim ES, Keum B, Jeon YT, Hwang JH, Chun HJ. Robot-assisted gastric endoscopic submucosal dissection significantly improves procedure time at challenging dissection locations. *Surg Endosc.* 2024 Apr;38(4):2280-2287. doi: 10.1007/s00464-024-10743-9. Epub 2024 Mar 11.