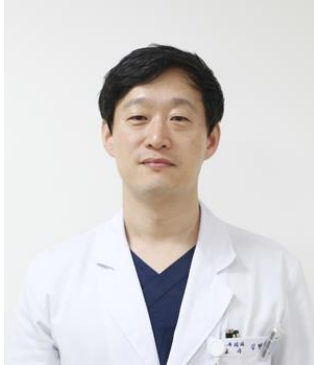


CV



Full Name: Hyun Koo Kim

Organization: Department of Thoracic and Cardiovascular Surgery, College of medicine, Korea University Guro Hospital

Position & Title: Professor

Educational background & professional experience (in sequence of the latest year)

Education

- Korea University, College of Medicine, Department of Thoracic and Cardiovascular Surgery, 2004 (Ph. D.)
- Korea University, College of Medicine, Department of Thoracic and Cardiovascular Surgery, 2000 (M.S.)
- Korea University, College of Medicine, 1996 (B. S.)

Professional experience

- Chair, Korea University, College of medicine, Department of Thoracic and Cardiovascular Surgery: 2016-current
- Adjunct Professor, School of Biomedical Engineering, College of Health Science, Korea University: 2016-current
- Professor, Korea University, College of Medicine, Department of Thoracic and Cardiovascular Surgery: 2015- Current
- Associate Professor, Korea University, College of Medicine, Department of Thoracic and Cardiovascular Surgery: 2010-2015
- Assistant Professor, Korea University, College of Medicine, Department of Thoracic and Cardiovascular Surgery: 2007-2010
- Clinical Assistant Professor, Korea University, College of Medicine, Department of Thoracic and Cardiovascular Surgery: 2005-2007

Research Interests

- Molecular image-guided surgery for thoracic oncology
- Minimally invasive video-assisted thoracoscopic surgery and robotic surgery
- Local chemotherapy for thoracic oncology
- Early detection of thoracic cancer with liquid biopsy

Publications (10 important publications – latest sequence)

- Comparison of Two-Port and Three-Port Approaches in Robotic Lobectomy for Non-Small Cell Lung Cancer. Kook Nam Han, Jun Hee Lee, Jeong In Hong, Hyun Koo Kim. World J Surg. 2022 Oct. 46(10):2517-2525.
- Initial experience with and surgical outcomes of da Vinci single-port system in general thoracic surgery. Seong Yong Park, Jun Hee Lee, Hubert Stein, Seung Young Heo, Hyun Koo Kim. J Thorac Dis. 2022 Jun.14(6):1933-1940.
- Fluorescence Imaging-guided Identification of Thymic Masses Using Low-Dose Indocyanine Green. Quan YH, Xu R, Choi BH, Rho J, Han KN, Choi YH, Kim BM, Kim HK. Ann Surg Oncol. 2022 Mar. 29:4476-4485.
- Ultra-low-dose intraoperative X-ray imager for minimally invasive surgery: a pilot imaging study. Park, H., Han, K. N., Choi, B. H., Yoon, H., An, H. J., Lee, J. S. & Kim, H. K., 2022 Apr, In: Translational Lung Cancer Research. 11, 4, p. 588-599 12 p.
- Evaluation of Intraoperative Near-Infrared Fluorescence Visualization of the Lung Tumor Margin With Indocyanine Green Inhalation. Yu Hua Quan, Chan Hee Oh, Dae ho Jung, Ji Young Lim, Byeong Hyeon Choi, Jiyun Rho, Yeon ho Choi, Kook Nam Han, Beop-Min Kim, Chungyeul Kim, Ji-Ho Park, Hyun Koo Kim. JAMA Surgery 2020.

- Early-stage lung cancer diagnosis by deep learning based spectroscopic analysis of circulating exosomes. Hyunku Shin, Seunghyun Oh, Soonwoo Hong, Minsung Kang, Daehyeon Kang, Young-gu Ji, Byeong Hyeon Choi, Ka-Won Kang, Hyesun Jeong, Yong Park, Sunghoi Hong, Hyun Koo Kim, Yeonho Choi. ACS NANO 2020 May 26;14(5):5435-5444.
- Fluorescent and Iodized Emulsion for Preoperative Localization of Pulmonary Nodules. Jiyun Rho, Jae Wook Lee, Yu Hua Quan, Byeong Hyeon Choi, Bong Kyung Shin, Kook Nam Han, Beop-Min Kim, Young Ho Choi, Hwan Seok Yong, Hyun Koo Kim. Ann Surg. 2021.
- Subxiphoid approach for robotic single-site-assisted thymectomy. Seong Yong Park, Kook Nam Han, Jeong In Hong, Hyun Koo Kim, Dae Joon Kim, Young Ho Choi. Eur J Cardiothorac Surg. 2020 Aug 1;58(Suppl_1):i34-i38.
- Multispectral image-guided surgery in patients. Hark Soo Choi, Hyun Koo Kim. NATURE BIOMEDICAL ENGINEERING 2020 Mar;4(3):245-246
- Initial Experiences with Robotic Single-Site Thoracic Surgery for Mediastinal Masses. Park SY, Kim HK, Jang DS, Han KN, Kim DJ. Ann Thorac Surg. 2019 Jan;107(1):242-247