Speaker's Biosketch

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Ki-Hyun Jeon (Seoul National University, Korea)

Ki-Hyun Jeon is an Assistant Professor of Cardiology at Seoul National University Bundang Hospital and a board-certified interventional cardiologist and cardiovascular imaging specialist. He has dedicated his academic career to advancing cardiovascular medicine, particularly through the integration of artificial intelligence (AI) into clinical practice.

Dr. Jeon has authored and co-authored over 150 peer-reviewed publications, many of which focus on the application of deep learning algorithms to electrocardiography and cardiovascular imaging for improved diagnosis and risk stratification. His landmark work includes AI-based ECG biomarkers for anemia, heart failure, left ventricular hypertrophy, and stroke of undetermined source, published in leading journals such as *The Lancet Digital Health*, *Europace*, and *Scientific Reports*.

He completed his medical degree and master's in medical science at Chung-Ang University, followed by his residency and fellowship in cardiology at Seoul National University Hospital. He also served as a military medical officer with the rank of Captain. Dr. Jeon is currently leading multiple projects on AI-derived digital biomarkers and is actively involved in AI governance and medical education initiatives in Korea. He has been recognized with several prestigious awards, including the Best Reviewer Award (APCMS 2023), the Academic Excellence Award (National Health Forum 2023), and the Best Lecturer Award (KSIC 2025).

His research interests lie in digital health, coronary physiology, and data-driven cardiovascular care, with a special focus on translational research using large-scale datasets and explainable AI models.