

## CURRICULUM VITAE

### 장영우

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#### 학력 및 경력

School of Medicine, Gachon University, Doctor of Medicine

School of Medicine, Gachon University, Master of Medical Science

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#### 관심 연구 분야

Cardiovascular intervention, Atherosclerosis, Acute myocardial infarction, Angina and heart failure, Pulmonary hypertension, Atrial fibrillation

#### 주요 논문 및 저서

1. Jang AY, Lee HH, Lee H, Kim HC and Chung WJ. Epidemiology of PAH in Korea: An Analysis of the National Health Insurance Data, 2002-2018. *Korean Circ J.* 2023;53:313-327.
2. Jang AY, Kim M; Oh, PC, Suh SY, Lee K, Kang WC, and Han SH, Long-term Clinical Outcomes and Its Predictors Between 1- and 2-stent Strategy in Coronary Bifurcation Lesions: A Baseline Clinical and Lesion Characteristic Matched Analysis, *Circ J.* 2022 Aug 25;86(9):1365-1375. doi: 10.1253/circj.CJ-22-0163.2.
3. Jang AY, Kim B-G, Kwon S, Seo J, Kim HK, Chang H-J, et al. (2020) Prevalence and clinical features of bone morphogenetic protein receptor type 2 mutation in Korean idiopathic pulmonary arterial hypertension patients: The PILGRIM explorative cohort. *PLoS ONE* 15(9): e0238698. Sept. 2020. <https://doi.org/10.1371/journal.pone.0238698>.
4. Jang AY, Scherer PE, Kim JY, Lim S, and Koh KK. Adiponectin and cardiometabolic trait and mortality: where do we go? *Cardiovasc Res.* 2021 Jun 12;cvab199. doi: 10.1093/cvr/cvab199.
5. Oh S, Jang AY (co-first author), Chae S, Hwang D, Byun K, and Chung WJ. Comparative Analysis on the Anti-inflammatory/immune Effect of Mesenchymal Stem Cell Therapy for the Treatment of Pulmonary Arterial Hypertension. *Sci Rep.* 2021 Jan 21;11(1):2012. PMID: 33479312 PMCID: PMC7820276 DOI: 10.1038/s41598-021-81244-1.

# The effects of intermittent fasting on cardio metabolic health: Cons

Youngwoo Jang

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This lecture explores the potential negative impacts of intermittent fasting (IF) on cardiometabolic health, questioning its acclaimed benefits. It delves into how IF might negatively influence metabolic regulation, lipid profiles, and cardiovascular risk factors, potentially causing stress responses and disrupting circadian rhythms. The variability in individual responses to IF, suggesting the need for

personalized dietary approaches, will be discussed. Additionally, the presentation addresses the lack of long-term data on IF's cardiometabolic effects. This concise overview aims to provide healthcare professionals with a critical perspective on IF, aiding in informed decision-making for those considering this dietary regimen.

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# Lipoprotein(a) and the quest for clarity: unveiling the residual risk and the gaps in Korea's data landscape

Youngwoo Jang

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This lecture addresses the role of Lipoprotein (a) [Lp(a)] in cardiovascular disease (CVD), focusing on its contribution to residual risk and the lack of comprehensive data in Korea. Lp(a) is an independent risk factor for CVD, yet its mechanisms and impact on the Korean population are not well understood. We will explore Lp(a)'s biochemistry, its role in atherogenesis and thrombosis, and high-

light the need for ethnic-specific research due to the scarcity of studies in Korea. The presentation emphasizes the importance of advanced genetic screening and tailored epidemiological studies to clarify Lp(a)'s role in CVD risk. By addressing these gaps, we aim to improve cardiovascular risk assessment and therapy, enhancing strategies to combat CVD in diverse populations.