



Poster Exhibition 1

Orchid 1

Hyperlipidemia and Cardiovascular Disease

P-001 Current status and clinical characteristics of familial hypercholesterolemia patients in Korea: a multicenter, real-world experience

Kyung An Kim (The Catholic University of Korea, Korea)

P-002 Statins overshadow PCSK9: attenuation of cardiovascular risk associations

Shieon Kim (Korea University, Korea)

P-003 Influence of ultra-processed foods intake on cardiometabolic risk in Korean children and adolescents with overweight and obesity

Soyeon Kwon (Kyung Hee University, Korea)

P-004 Engaging in leisure activities on Android/LED devices contributes to obesity and cardio-metabolic disorders among the younger generations

Qulsoom Naz (King George's Medical University, India)

P-005 Bajakah compounds as promising lipid-lowering agents for hyperlipidemia and cardiovascular disease prevention

Reny Rosalina (Khon Kaen University, Thailand)

P-006 Lipid-lowering effects of bioactive compound-enriched nutraceutical diet in high-fat diet-induced dyslipidemic Wistar rats

Samreen Mangalore Sheik (Manipal University College Malaysia, Malaysia)

P-007 Effects of different exercise types on blood pressure in pre-hypertension and hypertension patients: a systematic review and Bayesian network meta-analysis

Yuan Yuan (Yonsei University, Korea)

Others

P-008 Maternal predictors of low birth weight in urban setting: a hospital-based study in Delhi, India

Priyosmita Das (University of Delhi, India)

P-009 Association of dance exercises and cardiovascular disease prevention: a systematic analysis

Cherry Ann Durante (Philippine Women's University, Philippines)

P-010 Moderate to vigorous physical activity attenuates the adverse effects of body weight loss on mortality and cardiovascular events after ischemic stroke

Sae Young Jae (University of Seoul, Korea)

P-011 Analysis of regional disparities in cardiac rehabilitation capacity and utilization based on regional cardio-cerebrovascular centers in South Korea: a population density approach

Nackhwan Kim (Korea University, Korea)



P-012 Sex-specific determinants of arterial stiffness in patients with cardiovascular risk factors

Hack-Iyoung Kim (Seoul National University, Korea)

P-013 Efficacy and safety of Fimasartan/Indapamide combination therapy versus Fimasartan monotherapy in patients with essential hypertension: a randomized, double-blind, multicenter, phase III study

So-young Lee (The Catholic University of Korea, Korea)

P-014 Biomarkers identification to predict inflammatory and immune outcomes in cardiometabolic disorder surgery patients

Igna Abdul Gopur Lukmana (The Pranala Institute, Indonesia)

P-015 Belly of the beast: decoding abdominal obesity risk factors among the Ao Nagas across urban and rural landscapes

Imkongtenla Pongen (Ministry of Culture, Government of India, India)

P-016 Prevalence of metabolic syndrome and its component among rural adult population in Mansa district of Punjab, India

Ved Prakash (Government Degree College Kanda, India)

P-017 Pathophysiology and prognostic determinants of stroke recovery

Rosinta Hotmaida Pebrianti Purba (The Pranala Institute, Indonesia)

P-018 Examining the impact of new and improved biologic therapies on outcomes for patients with moderate to severe stroke

Hanna Rosanti (The Pranala Institute, Indonesia)

P-019 Frailty and sarcopenia as predictors of mortality in elderly patients with tricuspid regurgitation

Lintong Hottua Simbolon (The Pranala Institute, Indonesia)

Preventive Cardiology

P-020 Association between dietary patterns, CVD risk factors, and the risk of coronary artery disease (CAD)

Muhammad Kamran Hanif Khan (The University of Lahore, Pakistan)

P-021 Associations between remnant cholesterol and cardiovascular events in patients undergoing dialysis: a nationwide cohort study

Byung Sik Kim (Hanyang University, Korea)

P-022 From heart to brain: the impact of cardiac rehabilitation on cognitive function in heart failure

Hanselim Lim (Saint Vincentius Hospital, Indonesia)

P-023 Physical activity levels and sedentary behavior after completing 12 months of a community-based cardiac rehabilitation program

Rita Pinto (Faculdade de Medicina, Universidade de Lisboa, Portugal)

P-024 Machine learning-driven cooling-poverty index and cardiovascular stress during heatwaves: evidence from heat-related illness surveillance and cooling shelter access in South Korea

Sahnaz Vivinda Putri (Indonesia Open University, Indonesia)



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| P-025 | Malaysian Tualang honey inhibits cell migration and oxidative stress in platelet-derived growth factor-induced vascular smooth muscle cells
Ain Nabila Syahira Shamsol Azman (Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, Malaysia) |
| P-026 | Impact evaluation of policy interventions on hypertension disease prevalence: assessing the smoking and alcohol regulation in Indonesia
Gracce Sonia Sinaga (Atmajaya University, Indonesia) |
| P-027 | Septic pulmonary embolism complicating tricuspid valve endocarditis in intravenous drug users: a retrospective observational study from a public hospital in Ecuador
Roger Tenezaca (Hospital Guayaquil Abel Gilbert Ponton, Ecuador) |
| P-028 | Machine learning-enhanced analysis of structural stigma, policy environments, and preventive cardiovascular care gaps in LGBTQ adults across states and communities
Rini Winarti (Yogyakarta State University, Indonesia) |

Poster Exhibition 2

Hallway

Basic Science and Genetics

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| P-029 | Immunopathologic features of biopsy-confirmed myocarditis after COVID-19 mRNA vaccination
Eui-soon Kim (The Catholic University of Korea, Korea) |
| P-030 | Umbelliferone loaded chitosan lipid nanoparticles ameliorate streptozotocin induced myocardial infarction via alteration of Keap1/Nrf2/HO-1 and SIRT1/Notch1 signaling pathway
Vikas Kumar (Shalom Institute of Health & Allied Sciences, India) |
| P-031 | Endocrine disruption at the heart's core: unveiling the genetic links between Bisphenol A, obesity, and coronary artery disease
Muhammad Aizat Rahman (Hospital Selama, Perak, Malaysia) |
| P-032 | Behavioral interventions in diabetes: evaluating the efficacy of fasting practices on health outcomes
Silmi Rahmani (The Pranala Institute, Indonesia) |
| P-033 | 1,25-Dihydroxyvitamin D3 modulates macrophage immunometabolism under endoplasmic reticulum stress
Dain Wi (The University of Suwon, Korea) |
| P-034 | Electron microscopy in chemotherapy-induced cardiomyopathy: a tool for transplant decision-making
Taegu Won (The Catholic University of Korea, Korea) |

Cardiac Arrhythmias

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| P-036 | Evaluating the anti-atherosclerotic and anti-inflammatory properties of white tea (Camelliasinensis) ethanol extract in a rat model
Ajay Khajuria (Nehru Gram Bharati University, India) |
| P-037 | Machine learning-driven analysis of arrhythmia and thromboembolic safety in gender-affirming hormone therapy: integrating pharmacovigilance, prescribing, and survey data from transgender populations
Elfian Syafruddin (BLK Muhammadiyah University, Indonesia) |



Diabetes and Obesity

P-038 Evaluating the neuroprotective and anti-obesity potential of *Clitoria ternatea* yogurt in a Sprague-Dawley rat model of diet-induced obesity

Santhra Segaran Balan (Management and Science University, Malaysia)

P-039 Effect of diabetic duration on left ventricular global longitudinal strain by speckle tracking imaging

Ahmed Elgohari (Zagazig University hospitals, Egypt)

P-040 Physical activity and cardiovascular risk in type 2 diabetes with normal body mass index and abdominal obesity: a nationwide cohort study

Yeonkyeong Han (Sungkyunkwan University, Korea)

P-042 Impact of severe hypoglycemia on cardiac function in an animal model of type 2 diabetes

Ye-jee Lee (The Catholic University of Korea, Korea)

P-043 Unraveling the genetic basis of diabetes and related complications: a meta-analysis focused on the Indian ethnic cohort

Saumya Patel (Gujarat University, India)

P-044 A novel insight of *Glycyrrhiza glabra* miRNAs in diabetes: a transcriptome-wide cross-kingdom study

Mitsu Patel (Gujarat University, India)

P-045 Comparing cost-effectiveness of obesity interventions: insights into surgery, medications, and diets

Yesika Simbolon (Atmajaya University, Indonesia)

P-046 Impact of breathing, laughter yoga, and clapping on hypoglycemia and quality of life in post-gastric bypass type 2 diabetic patients

Ranbir Singh (Shri Maha maya Vaishnav devi research Institute, India)

Ischemic Heart Disease/Coronary Artery Disease

P-047 Relationship between Lipoprotein(a) levels and major adverse cardiac events in type 2 diabetes mellitus patients with established atherosclerotic cardiovascular disease

Navaneeth Amin (Manipal university college Malaysia, Malaysia)

P-048 Association between prior stroke and short-term outcomes in patients with STEMI

Surenjav Chimed (Shastin's Third State Central Hospital, Mongolia)

P-049 PCSK7 deletion alleviates myocardial infarction by suppressing pro-inflammatory responses and modulating T cell populations

Inyoung Chung (Ewha Womans University, Korea)

P-050 Impact of acute inflammation on left ventricular myocardial contractility in patients with STEMI who treated by primary PCI

Nandin-erdene Enkhbaatar (Mongolia-Japan teaching hospital, Mongolia)



P-051 **Geographic information system (GIS) mapping of ischemic heart disease vulnerability in 34 provinces in Indonesia: using open government data**

Rahmat Fauzan (Alumnus State University of Padang, Indonesia)

P-052 **Impact of statin therapy on long-term clinical outcomes in coronary artery spasm patients without dyslipidemia and coronary artery stenosis**

Seung-woon Rha (Korea University, Korea)

P-053 **Impact of 2nd-generation versus 3rd-generation β -blocker prescription at discharge on long-term clinical outcomes in STEMI patients with reduced left ventricular ejection fraction treated with DES**

Seung-woon Rha (Korea University, Korea)

Poster Exhibition 3

Camellia

Cardiomyopathies

P-054 **Association of steatotic liver disease subtypes with clinical expression of hypertrophic cardiomyopathy**

Yuran Ahn (The Catholic University of Korea, Korea)

P-055 **Chemoprotective effect of Revesterol-Dextrin nano-formulation attenuates obesity induced cardiac hypertrophy and cardiac dysfunction via suppression of JNK-mediated inflammation**

D Chauhan (Rajkamal Science & Management College, India)

P-056 **Clinical significance of early diagnosis in female patients with Danon disease**

Min Gon Kang (The Catholic University of Korea, Korea)

Chronic Kidney Disease and Cardiovascular Disease

P-058 **Integrating gut microbiome therapeutics into kidney disease management among the elderly in Southeast Asia**

Hepri Ardianson (The Pranala Institute, Indonesia)

P-059 **Chronic kidney–metabolic syndrome and atrial fibrillation in Korean adults: a nationwide cohort study**

Byung Ha Jeon (Sungkyunkwan University, Korea)

P-060 **Electronic and dual cigarette use and cardiovascular risk in Korean young adults: a nationwide population-based cohort study**

Jungtaek Lee (Sungkyunkwan University, Korea)

P-061 **Mulberry (*Morus alba* L.) as a promising agent in cardiovascular prevention: a literature review**

Diasido Pardede (University of Muhammadiyah Palangka Raya, Indonesia)

P-062 **Comparison and population impact of guideline blood pressure targets for chronic kidney disease in South Korea**

Jeonga Park (Yonsei University, Korea)

P-063 **Role and relationship between vitamin D and arterial stiffness in non-dialysis-dependent chronic kidney disease in old aged patients**

Hina Parveen (Department of Biochemistry, King George Medical University, Lucknow, India)



P-064 **A randomized controlled trial to evaluate the efficacy of non-steroidal mineralocorticoid receptor antagonists in improving cardiovascular outcomes in patients with chronic kidney disease**
Aashal Bhavesh Shah (GMERS Medical College and Hospital, India)

P-065 **Home-delivered meal services for haemodialysis patients in Malaysia: factors influencing perceived effectiveness**
Wai Yew Yang (Universiti Putra Malaysia, Malaysia)

Epidemiology

P-066 **Dose-response association of accelerometry-measured physical activity and sedentary time with non-communicable diseases: a systematic review and meta-analysis**
Seo Yeong An (Yonsei University, Korea)

P-067 **Disparities in CKD mortality from high BMI: a global burden of disease study by SDI regions**
Nabila Zahra Athirah (Islamic University of Indonesia, Indonesia)

P-068 **AI-driven diagnostics and monitoring systems for cardiometabolic disorders**
Sarai Bergita Br Sitepu (Atmajaya University, Indonesia)

P-069 **Compound climate and air pollution stressors, social vulnerability, and cardio-cerebrovascular risk: a nationwide big data epidemiology study**
Rifaldy Fajar (IMCDS-BioMed Research Foundation, Indonesia)

P-070 **Rising ischemic heart disease in aging populations: a global burden of disease analysis of past and future prevalence trends across four world regions**
Fadhila Fitriana (Diponegoro University, Indonesia)

P-071 **Associations between physical activity trajectories, hypertension, and type 2 diabetes among adults: a systematic review and meta-analysis**
Yunmin Han (Seoul National University, Korea)

P-072 **Association between 'Weekend Warrior' and other leisure-time physical activity patterns and nonalcoholic fatty liver disease**
Yun Sung Kim (Yonsei University, Korea)

P-073 **Fruit and vegetable consumption and blood pressure among African adults: evidence from WHO STEPS surveys**
Yoonha Kim (Kyung Hee University, Korea)

P-074 **Trends in awareness among young adults with hypertension before and after health screening expansion: estimates from the Korea National Health and Nutrition Examination Survey, 2014–2023**
Sang Gyeong Lee (Yonsei University, Korea)

P-075 **Disability and cardiovascular risk in type 2 diabetes: the mediating role of medication adherence**
Myeongcheol Lee (Sungkyunkwan University, Korea)

P-076 **Real-world use of PCSK9 inhibitors in Korea: clinical characteristics and prescription patterns, 2018–2024**
Eun Young Lee (The Catholic University of Korea, Korea)



P-077 Isotemporal substitution analysis of movement behaviors and metabolic syndrome in Korean adults

Yumi Park (Yonsei University, Korea)

P-078 Three decades of rising hypertensive heart disease: historical trends, regional disparities, and projections to 2030 across WHO regions

Najwa Aisya Putri (International Open University, Indonesia)

P-079 Sarcopenic obesity is associated with dyslipidemia and hypertension in young adults

Young-heon Shin (Yonsei University, Korea)

P-080 Obesity as a predictor of hypertension among college-going youth of Delhi NCR, India

Seyielenuo Suokhrie (University of Delhi, India)

Heart Failure with Reduced Ejection Fraction and Preserved Ejection Fraction

P-081 Effectiveness of cardiovascular rehabilitation programs among patients with heart failure based on echocardiographic parameters of myocardial deformation

Cristina Adam (Gr. T Popa University of Medicine and Pharmacy Iasi, Clinical Rehabilitation Hospital Iasi, Romania)

P-082 The role of Algoritma in machine learning for diagnosis and prediction of heart failure with preserved ejection fraction (HFpEF) using systematic literature review

Derizal Derizal (IP Trisakti, Indonesia)

P-083 Empagliflozin and SGLT2 inhibitors in heart failure with preserved ejection fraction (HFpEF)

Willy Febri (Muhammadiyah Palangka Raya University, Indonesia)

P-084 Resveratrol attenuates myocardial fibrosis and improves metabolic and left ventricular diastolic dysfunction in a high-fat diet-induced obese hypertensive model

Kyung An Kim (The Catholic University of Korea, Korea)

P-085 Estimated multinational budget impact of Empagliflozin for heart failure patients with full spectrum of left ventricle ejection fraction

Eui-soon Kim (The Catholic University of Korea, Korea)

P-086 Global temporal trends in heart failure outcomes and baseline characteristics: a systematic review and meta-regression analysis

Dong-woo Kim (The Catholic University of Korea, Korea)

P-087 Post-transplant outcomes of heart transplant recipients with pre-transplant history of malignancy: a nationwide population-based cohort study

Joon-seok Kim (The Catholic University of Korea, Korea)

P-088 Differences in ischemic versus non-ischemic heart failure on guideline adherence and clinical outcomes in heart failure with reduced ejection fraction: insights from the TRANS-HF trial

Kyung An Kim (The Catholic University of Korea, Korea)

P-089 Altered biodistribution mimicking blood pooling on bone scintigraphy after intravenous iron therapy

Eun-young Kim (The Catholic University of Korea, Korea)



P-090 Predictive modeling of early heart failure readmissions: a preventive strategy for the vulnerable period

Andreea Lacraru (Carol Davila University of Medicine and Pharmacy, Romania)

Precision Medicine/Digital Healthcare

P-091 Transforming elderly diabetes care: the impact of digital aging, social capital, and economic factors in Indonesia

Asriati Asriati (Cendrawasih University, Indonesia)

P-092 Mathematical modeling of shear stress, oscillatory flow, and immune inflammation to predict fibrous-cap thinning and rupture hazard

Prihantini Prihantini (IMCDS-BioMed Research Foundation, Indonesia)

P-093 Effectiveness of wearable mobile health technologies in the early detection of cardiac arrhythmias: a systematic review

Harsha Shah (formerly at Government Civil Hospital, Surat, India)