

ICoLA 2025

The 14th International Congress on
Lipid & Atherosclerosis

*Advancing Care in Lipids, Obesity, Glucose, and Blood Pressure:
Exploring Innovative Therapies and Their Clinical Impact*

September 11 (Thu) - 13 (Sat), 2025
CONRAD Seoul, Republic of Korea

PROGRAM BOOK



▲ ABSTRACT BOOK DOWNLOAD





WELCOME MESSAGE

Dear Colleagues,

On behalf of the organizing committee, we are pleased to invite you to the 14th International Congress on Lipid & Atherosclerosis (ICoLA 2025), hosted by the Korean Society of Lipid and Atherosclerosis (KSoLA), to be held on September 11 (Thu)-13 (Sat), 2025, at the Conrad Seoul, Republic of Korea.

Under the theme “Advancing Care in Lipids, Obesity, Glucose, and Blood Pressure: Exploring Innovative Therapies and Their Clinical Impact,” ICoLA 2025 expands its scientific vision beyond lipidology to encompass a comprehensive range of cardiometabolic risk factors. This broadened scope reflects our commitment to integrated strategies for the prevention and treatment of cardiovascular and metabolic diseases.

This year’s scientific program includes plenary and keynote lectures by global experts in lipid metabolism, vascular biology, and cardiometabolic disease management. These sessions will highlight recent advances in both basic science and clinical care, offering diverse perspectives from across the globe.

Further enhancing our global relevance, ICoLA 2025 will host joint symposia in collaboration with leading international societies, including the European Atherosclerosis Society (EAS), Japanese Atherosclerosis Society (JAS), and Canadian Society of Atherosclerosis, Thrombosis and Vascular Biology (CSATVB). These collaborative sessions will provide an exceptional opportunity to share scientific insights and foster global academic exchange.

In addition to plenary and keynote lectures, ICoLA 2025 will feature symposia, oral and poster presentations, and educational forums. Special emphasis will be placed on supporting young investigators, providing them with opportunities to present their work and engage with leaders in the field.

We warmly welcome your participation in ICoLA 2025. Join us in Seoul for an engaging and inspiring congress that promises to shape the future of cardiometabolic care.

Sincerely,



Ki Hoon Han

Ki Hoon Han
President, Board of Directors,
KSoLA



Sang-Hyun Kim

Sang-Hyun Kim
Chairman, Board of Directors,
KSoLA

강력한 효과로 이상지질혈증, 걱정이 사라진다

위험도 분류에 따른
치료 환자군

초고위험군은 심혈관질환이 있는 환자, 즉 이미 관상동맥질환, 뇌혈관질환, 말초혈관질환으로 진단돼 치료 받고 있는 환자군이 해당됩니다.

고위험군은 관상동맥질환이 없는 환자, 즉 고위험군으로 분류됩니다.

중등도위험군은 심혈관질환의 위험요소(흡연, 고혈압, 당뇨병, 고지혈증 등) 중 하나 이상을 가진 환자, 즉 중등도위험군으로 분류됩니다. 관상동맥질환이 발병한 경우 LDL 콜레스테롤을 낮추는 것이 중요합니다.

저위험군은 LDL 콜레스테롤을 제외한 주요 위험인자가 없는 환자, 즉 저위험군으로 분류됩니다.

스타틴에 의한 부작용

당뇨병 신규 발생을 줄이는 스타틴은 당뇨병 예방에 효과적입니다. 대부분의 당뇨병 신규 발생은 스타틴을 사용한 군에서 더 많이 발생했습니다.

강력한 이상지질혈증 솔루션

리바로젯®

효과성

복용 후 50% 이상 LDL-C 감소효과 입증¹⁾
저·중등위험군은 물론, 고위험군 이상으로 넓어진 치료범위²⁾

안전성

당뇨병 안전성을 공인 받은 유일한 스타틴
32개국 당뇨병 안전성 공인³⁾



1) 2) 리바로젯 3상 허가임상 결과 3) 32개 국가 현황 • 유럽(13개국) • 영국, 독일, 프랑스, 스페인, 이탈리아, 핀란드, 네덜란드, 스웨덴, 오스트리아, 아일랜드, 포르투갈, 그리스, 노르웨이 • 동유럽(5개국) • 러시아, 폴란드, 우크라이나, 조지아, 아르메니아 • 동아시아(5개국) • 싱가포르, 대만, 인도네시아, 말레이시아, 카자흐스탄 • 중동(8개국) • 사우디아라비아, UAE, 쿠웨이트, 카타르, 요르단, 오만, 레바논, 바레인 • 아프리카(1개국) • 모로코



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	Kyung Mook Choi	Korea University

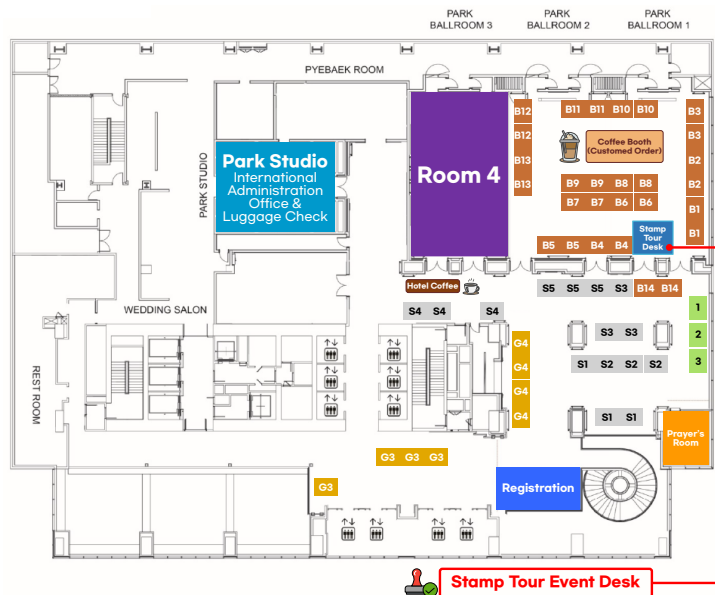
FLOOR PLAN



Sponsorship	Booth No.	Corporate
Diamond	1	Hanmi Pharm
	2	JW Pharm
Platinum	1	Organon
	2	Novartis
	3	Daewoong Pharm
Gold	1	Jeil Pharm
	2	Viartis

FLOOR PLAN

5F, Conrad Seoul



FLOOR PLAN

6F, Conrad Seoul



Sponsorship	Booth No.	Corporate
Gold	3	Amgen
	4	Yuhan
Silver	1	HK Inno,N
	2	GC Biopharma Corp.
	3	LG Chemical
	4	Daichi-Sankyo
	5	Chong Kun Dang
Bronze	1	Daewon Pharm
	2	Sanofi
	3	Hyundai Pharm
	4	Yooyoung Pharm
	5	Otsuka Pharm
	6	Novo Nordisk

Sponsorship	Booth No.	Corporate
Bronze	7	Abbott
	8	Boehringer Ingelheim
	9	GSK
	10	Boryung
	11	Dong-A ST
	12	Ahngook Pharm
	13	Hanlim Pharm
	14	Celltrion Pharm
Regular	1	BCWorld Pharm
	2	Firson
	3	Samjin Pharm

Sponsorship	Booth No.	Corporate
Regular	4	Dongkook Pharm
	5	Kuhnle Pharm
	6	Myungmoon Pharm
	7	Dong-wha Pharm
	8	Korea United Pharm
	9	IL-Yang Pharm
	10	Handok
	11	Daewoong Bio Inc
	12	Shinpoong Pharm
	13	SK Chemical
	14	Ildong Pharm

PROGRAM AT A GLANCE

[Day 1] September 11(Thu), 2025

(K): Korean Session

	Room 1	Room 2	Room 3	Room 4
12:00-	Registration			
13:00-14:30	Symposium 1 (K) 이상지질혈증 관리: 국내 당면 과제와 향후 발전 방향 Management of Dyslipidemia: Current Perspectives and Future Directions in Korea	Symposium 2 Cutting-edge Nutritional Approach for Cardiometabolic Risk Strategies	Symposium 3 Lipoprotein(a) Unmasked: Risk, Paradox, and Measurement	Symposium 4 Lipid Toxicity and Platelet Signaling in Atherosclerotic Inflammation
14:30-14:40	Break			
14:40-16:10	Oral Presentation 1	Symposium 5 Artificial Intelligence in Precision Diagnosis of Atherosclerosis and Cardiovascular Risk	Symposium 6 CVD Risk Prediction in Special Population	Symposium 7 Redefining Cardiovascular Care: PCSK9 Mechanisms and siRNA-based Advances
16:10-16:20	Break			
16:20-17:50	Symposium 8 Recent Prognostic Evidence for the Triglyceride-Glucose (TyG) Index as a Novel Surrogate Marker of Insulin Resistance	JAS-TSLA-KSoLA Joint Symposium Familial Hypercholesterolemia (FH) in the Era of Precision Medicine	Symposium 9 How Low is Low Enough for LDL-C in Diabetes?	Symposium 10 Socioeconomic Status: The Missing Piece in Cardiovascular Risk Stratification
18:10-	Welcome Reception (Lobby, Studio 4-7, 6F)			

PROGRAM AT A GLANCE

[Day 2] September 12(Fri), 2025

(K): Korean Session

	Room 1	Room 2	Room 3	Room 4
07:30-08:30	Breakfast Symposium 1	Breakfast Symposium 2	Breakfast Symposium 3	Breakfast Symposium 4
	* Meals will be served from 07:30 to 08:00 on a first-come-first-served basis.			
08:30-10:00	Symposium 11 Genetic Insights into Dyslipidemia and Diabetes: Pathways, Predictions, and Interventions	AAS-KSoLA Joint Symposium Comprehensive Strategies for the Prevention of Atherosclerosis: Current Insights and Future Directions	Symposium 12 Residual CV Risk Era: Remnant Cholesterol	Symposium 13 Shaping the Future of Lipid Management: Insights from the New Consensus and Current Dyslipidemia Trends
10:00-10:10	Break			
10:10-10:20	Opening Address			
10:20-11:00	Plenary Lecture 1 Advances in lipid-lowering therapy: shaping the future of cardiovascular prevention			
11:05-11:45	Special Lecture 1 (K) Integrating ChatGPT into medical and clinical research workflows			
11:45-12:00	Coffee Break			
12:00-13:00	Luncheon Symposium 1 (K)	Luncheon Symposium 2	Luncheon Symposium 3	Luncheon Symposium 4
13:00-14:30	Oral Presentation 2	Symposium 14 What is Important beyond Stenosis in Intracranial Atherosclerosis	Symposium 15 Nontraditional Risk Factors for ASCVD	Symposium 16 Defining the Optimal LDL-C Target for Prevention of Atherosclerotic Cardiovascular and Cerebrovascular Disease
14:40-15:50	Moderated Poster Presentation 1, 3, 5 (Studio 5, 6, 7, 6F)			
15:50-16:30	Keynote Lecture 1 Multi-omics data integration from patients with carotid stenosis illuminates key molecular signatures of atherosclerotic instability			
16:30-16:45	Coffee Break			
16:45-18:15	Symposium 17 Emerging Drugs for Dyslipidemia Management	VAS-KSoLA Joint Symposium Lipid-Lowering Strategies: Targets and Therapies in Clinical Practice	Symposium 18 Sex and Gender Differences in Cardiometabolic Health: From Biology to Treatment	Symposium 19 Immunometabolic Programming of Macrophages in Cardiovascular Injury and Repair

PROGRAM AT A GLANCE

[Day 3] September 13(Sat), 2025

(K): Korean Session

	Room 1	Room 2	Room 3	Room 4
07:50-08:50	Breakfast Symposium 5	Breakfast Symposium 6	Breakfast Symposium 7	Breakfast Symposium 8
	* Meals will be served from 07:50 to 08:20 on a first-come-first-served basis.			
08:50-10:20	Oral Presentation 3	CSATVB-KSoLA Joint Symposium Long-term Exposure to LDL-cholesterol and Early Cardiovascular Risk Prevention	Symposium 20 Optimized Management of Cardiometabolic Syndrome in the Elderly: Focus on Multimorbidity and Frailty	Symposium 21 From Treatment to Prevention: A Paradigm Shift in Obesity
10:20-10:40	Coffee Break			
10:40-11:20	Plenary Lecture 2 Cholesterol lowering throughout the life-course to prevent atherosclerotic cardiovascular disease-a pragmatic population health approach			
11:25-12:05	Keynote Lecture 2 The role of smooth muscle cell in atherosclerotic plaque progression			
12:05-12:20	Break			
12:20-13:20	Luncheon Symposium 5 (K)	Luncheon Symposium 6	Luncheon Symposium 7	
13:30-14:40	Special Lecture 2 (K) (Room 1, 2, 3, 3F) Gardens of Korea (한국의 정원)			
	Moderated Poster Presentation 2, 4, 6 (Studio 5, 6, 7, 6F)			
14:50-16:20	2025 KSoLA Awards for Scientific Excellence & Young Investigator	KoSFoST-KSoLA Joint Symposium Role of Medicinal Foods in Atherosclerosis and Cardiometabolic Disease	Symposium 22 Atherosclerosis beyond Traditional Risks: Emerging Clinical Challenges in Comorbid Conditions	Symposium 23 Publication Committee Session: JLA Award for Outstanding Article
16:20-17:50	Symposium 24 Dyslipidemia Management in Special Populations	EAS-KSoLA Joint Symposium The Impact of Remnant Cholesterol on Various Disease Pathologies and Clinical Outcomes	Symposium 25 Lipid-immune Interactions Shaping Vascular Repair and Disease	MSA-KSoLA Joint Symposium Recent Evidence in Non-invasive Cardiovascular Risk Assessment Techniques
17:50-	Closing Ceremony			

PROGRAM IN DETAIL

Symposium 1 (K)

Sep 11(Thu) 13:00-14:30 | Room 1 (3F)

이상지질혈증 관리: 국내 당면 과제와 향후 발전 방향

Management of Dyslipidemia: Current Perspectives and Future Directions in Korea

CHAIRPERSONS : 김상현 이사장 (한국지질·동맥경화학회)
조연희 회장 (한국건강검진학회)

13:00-13:10 인사말

박주민 위원장 (국회 보건복지위원회)

13:10-13:25 지질관리! 이상지질혈증 치료 현황과 급여 기준 현실화

정인경 이사 (한국지질·동맥경화학회)

13:25-13:40 지질관리! 혈압, 혈당 관리를 넘어 - 만성질환 통합 관리와 이상지질혈증

백재욱 이사 (대한가정의학과 의사협회)

13:40-13:55 지질관리! 현장의 목소리 - 일차의료 현장의 현실과 지원방안에 대한 요구

이태인 이사 (한국건강검진학회)

13:55-14:10 지질관리! 더 빨리, 더 정확히 - 초고령화 시대, 더 오래 더 건강하기 위한 조기검진과 치료의 중요성

김은지 교수 (가천의대 예방의학과)

14:10-14:30 패널 토의 및 기자회견

이창현 이사 (한국건강검진학회)

이금숙 특임이사 (한국화학바이오기자협회)

곽경근 부회장 (대한내과의사회)

전하윤 사무관 (보건복지부)

Symposium 2

Sep 11(Thu) 13:00-14:30 | Room 2 (3F)

Cutting-edge Nutritional Approach for Cardiometabolic Risk Strategies

CHAIRPERSONS : Hyun-Sook Kim (Sookmyung Women's University, Republic of Korea)
Eun Mi Kim (Sungkyunkwan University, Republic of Korea)

- 13:00-13:20 **Interplay between molecular and environmental factors in the new era of precision medicine**
Jordi Merino (University of Copenhagen, Denmark)
- 13:20-13:40 **Human microbiome and the path to cardiometabolic health**
Hyun Ju You (Seoul National University, Republic of Korea)
- 13:40-14:00 **Iron overload, autophagy dysfunction, and ferroptosis: mechanistic insights into cardiometabolic disease**
Hyekyoung Sung (York University, Canada)
- 14:00-14:30 **Panel Discussion**
Hyunju Kang (Keimyung University, Republic of Korea)
Jeongseon Kim (National Cancer Center, Republic of Korea)
Hoyoun Won (Chung-Ang University, Republic of Korea)

Organizer / Hyunju Kang (Keimyung University, Republic of Korea)

Symposium 2, titled "Cutting-edge Nutritional Approach for Cardiometabolic Risk Strategies," will highlight the latest research in nutritional science aimed at preventing and treating cardiovascular and metabolic diseases. Professor Jordi Merino (University of Copenhagen, Denmark) will examine the interplay between molecular and environmental factors in the new era of precision medicine, laying the foundation for personalized nutritional strategies. Professor Hyun Ju You (Seoul National University, Republic of Korea) will assess the relationship between the human microbiome and cardiometabolic health. Dr. Hyekyoung Sung (York University, USA) will then present in-depth insights into the nutritional regulation of iron metabolism in cardiometabolic diseases. These distinguished presentations will feature the efficacy of personalized nutritional interventions in guiding comprehensive prevention and management strategies for cardiovascular and metabolic disorders.

Symposium 3

Sep 11(Thu) 13:00-14:30 | Room 3 (3F)

Lipoprotein(a) Unmasked: Risk, Paradox, and Measurement

CHAIRPERSONS : Myung A Kim (Seoul National University, Republic of Korea)
Byung Jin Kim (Sungkyunkwan University, Republic of Korea)

- 13:00-13:20 **Epidemiologic evidence on Lp(a) and ASCVD in Asian populations**
Youngwoo Jang (Gachon University, Republic of Korea)
- 13:20-13:40 **The inverse link between Lp(a) and metabolic risk: signal or noise?**
Jung A Kim (Korea University, Republic of Korea)
- 13:40-14:00 **Lp(a) testing today: mind the method, mind the unit**
Sang-Guk Lee (Yonsei University, Republic of Korea)
- 14:00-14:30 **Panel Discussion**
Soo-Jin Kim (Kosin University, Republic of Korea)
Wonjin Kim (CHA University, Republic of Korea)
Joonpyo Lee (Gachon University, Republic of Korea)
Seong Huan Choi (Inha University, Republic of Korea)

Organizer / Youngwoo Jang (Gachon University, Republic of Korea)

Lipoprotein(a) has emerged as an independent cardiovascular risk factor, yet its clinical significance varies across populations and metabolic states. This session brings together key insights on Lp(a): epidemiologic data on ASCVD in Asian populations (Dr. Youngwoo Jang), its paradoxical inverse association with metabolic risk (Dr. Jung A Kim), and practical guidance on Lp(a) measurement and reporting (Dr. Sang-Guk Lee). Together, these talks aim to clarify current controversies and highlight the nuances that clinicians and researchers must consider in the era of precision lipidology.

Symposium 4

Sep 11(Thu) 13:00-14:30 | Room 4 (5F)

Lipid Toxicity and Platelet Signaling in Atherosclerotic Inflammation

CHAIRPERSONS : Jae-Ryong Kim (Yeungnam University, Republic of Korea)
Hyoung Kyu Kim (Inje University, Republic of Korea)

13:00-13:20 From nanoparticles to biocides: how toxic chemicals alter lipid homeostasis and accelerate atherosclerotic events

Ok-Nam Bae (Hanyang University, Republic of Korea)

13:20-13:40 Immune modulation of lipid metabolism promotes BAT whitening under thermoneutral conditions

Jun Young Hong (Yonsei University, Republic of Korea)

13:40-14:00 Role of MCU in human platelet aggregation

Jin O-Uchi (University of South Florida, USA)

14:00-14:30 Panel Discussion

Kyuho Kim (The Catholic University of Korea, Republic of Korea)

Jeonghan Kim (The Catholic University of Korea, Republic of Korea)

Chang-Hoon Woo (Yeungnam University, Republic of Korea)

Organizer / Jun Namkung (Yonsei University, Republic of Korea)

This session will explore novel insights into the role of lipid toxicity and platelet signaling in the pathogenesis of atherosclerotic inflammation. Professor Ok-Nam Bae from Hanyang University, Republic of Korea, will present on how environmental toxicants such as nanoparticles and biocides disrupt lipid homeostasis and promote vascular inflammation. Professor Jun Young Hong from Yonsei University, Republic of Korea, will discuss immune-driven remodeling of lipid metabolism that induces whitening of brown adipose tissue under thermoneutral conditions, highlighting the crosstalk between immunity and energy metabolism. Professor Jin O-Uchi from University of South Florida, USA, will elucidate the functional role of the mitochondrial calcium uniporter in human platelets and its impact on platelet aggregation and thrombosis. This multidisciplinary session will offer a comprehensive view on how metabolic stress, immune dysregulation, and platelet activation converge to drive vascular pathology.

Symposium 5

Sep 11(Thu) 14:40-16:10 | Room 2 (3F)

Artificial Intelligence in Precision Diagnosis of Atherosclerosis and Cardiovascular Risk

CHAIRPERSONS : Hun Sik Park (Kyungpook National University, Republic of Korea)
Myung-gon Kim (Catholic Kwandong University, Republic of Korea)

14:40-15:00 Coronary atherosclerosis and cardiovascular risk prediction through AI-assisted stress echocardiography: insights from the PROTEUS RCT trial

Paul Leeson (University of Oxford, UK)

15:00-15:20 AI-enhanced ECG for acute myocardial infarction detection and cardiovascular risk stratification

Junmyung Kwon (Medical AI, Republic of Korea)

15:20-15:40 Artificial intelligence-based coronary artery disease screening versus usual care for patients with suspected coronary artery disease: AI-Gatekeeper randomized controlled trial

SungA Bae (Yonsei University, Republic of Korea)

15:40-16:10 Panel Discussion

Dae-Young Kim (Inha University, Republic of Korea)

Seok Oh (Chonnam National University, Republic of Korea)

Hyung Joon Joo (Korea University, Republic of Korea)

Organizer / SungA Bae (Yonsei University, Republic of Korea)

The rapid advancement of artificial intelligence (AI) is transforming precision diagnostics and risk stratification in atherosclerosis and cardiovascular diseases. In this symposium, leading experts will present the most recent studies leveraging AI for accurate diagnosis and risk assessment of cardiovascular conditions. Professor Paul Leeson from University of Oxford, UK, will provide insights from the PROTEUS randomized controlled trial (RCT), demonstrating how AI-assisted stress echocardiography can enhance the diagnosis of coronary atherosclerosis and cardiovascular risk prediction. Subsequently, Dr. Junmyung Kwon from Medical AI, Republic of Korea, will discuss the application of AI-enhanced electrocardiography technology for early detection of acute myocardial infarction and effective cardiovascular risk stratification. Lastly, Professor SungA Bae from Yonsei University, Republic of Korea, will present findings from the AI-Gatekeeper RCT trial, comparing artificial intelligence-based screening of coronary artery disease with usual clinical care, showcasing its clinical advantages and potential implications. This symposium provides an excellent opportunity to explore how integrating clinical medicine with AI technology is shaping the future of precision cardiovascular medicine.

Symposium 6

Sep 11(Thu) 14:40-16:10 | Room 3 (3F)

CVD Risk Prediction in Special Population

CHAIRPERSONS : Hyeon Chang Kim (Yonsei University, Republic of Korea)
SungHee Choi (Seoul National University, Republic of Korea)



- 14:40-15:00 **CVD risk prediction in low-risk population**
Hokyoo Lee (Yonsei University, Republic of Korea)
- 15:00-15:20 **CVD risk prediction in older persons**
Sangwoo Park (University of Ulsan, Republic of Korea)
- 15:20-15:40 **CVD risk prediction in diabetes and high-risk patients**
Eu Jeong Ku (Seoul National University, Republic of Korea)
- 15:40-16:10 **Panel Discussion**
Se-eun Park (Sungkyunkwan University, Republic of Korea)
Yong-Jae Lee (Yonsei University, Republic of Korea)
Keum Ji Jung (Yonsei University, Republic of Korea)

Organizer / Hokyoo Lee (Yonsei University, Republic of Korea)

Cardiovascular risk prediction is a key step for guiding primary prevention therapy such as statins. However, cardiovascular risk models have not yet been incorporated into clinical practice guidelines in Korea. This session will discuss the current research landscape of cardiovascular risk prediction in the general population and in special subgroups, particularly focusing on their potential applicability in clinical practice and future directions.

Symposium 7

Sep 11(Thu) 14:40-16:10 | Room 4 (5F)

Redefining Cardiovascular Care: PCSK9 Mechanisms and siRNA-based Advances

CHAIRPERSONS : Jun-Hee Lee (Hallym University, Republic of Korea)
Sungha Park (Yonsei University, Republic of Korea)



- 14:40-15:00 **Deep dive into PCSK9: the master regulator of LDL metabolism and inflammation**
Hyun-Duk Jang (Seoul National University, Republic of Korea)
- 15:00-15:20 **siRNA-based lipid therapies: a revolution in cholesterol management**
Jin Wi (Gachon University, Republic of Korea)
- 15:20-15:40 **Familial hypercholesterolemia treatment beyond statin**
Rodrigo Alonso (Center for Advanced Metabolic Medicine and Nutrition, Chile)
- 15:40-16:10 **Panel Discussion**
Soo-Jin Kim (Kosin University, Republic of Korea)
Ye Seul Yang (Seoul National University, Republic of Korea)
Sangmo Hong (Hanyang University, Republic of Korea)

Organizer / Ki-Hyun Jeon (Seoul National University, Republic of Korea)

In this special session titled "Redefining Cardiovascular Care: PCSK9 Mechanisms and siRNA-Based Advances," ICoLA 2025 brings together leading experts to explore emerging molecular and clinical insights into lipid regulation and atherosclerotic disease management.

The session opens with a comprehensive exploration of PCSK9—the master regulator of LDL metabolism and a key player in vascular inflammation—highlighting its central role in atherosclerosis. The second presentation focuses on the promise of siRNA-based lipid-lowering therapies, showcasing their transformative potential for sustained LDL-C control. Finally, the session addresses novel approaches to managing familial hypercholesterolemia beyond statin therapy, offering new hope for patients with genetically driven dyslipidemia.

This session integrates advances in molecular biology, therapeutic innovation, and clinical practice, paving the way for a redefined and more personalized approach to cardiovascular prevention and treatment.

Symposium 8

Sep 11(Thu) 16:20-17:50 | Room 1 (3F)

Recent Prognostic Evidence for the Triglyceride-Glucose (TyG) Index as a Novel Surrogate Marker of Insulin Resistance

CHAIRPERSONS : Weon Kim (Kyung Hee University, Republic of Korea)
Junghwan Park (Hanyang University, Republic of Korea)

- 16:20-16:40 **Prediction of ASCVD using the TyG index: insights from the multinational PURE registry**
Patricio Lopez-Jaramillo (Universidad de Santander, Colombia)
- 16:40-17:00 **Prediction of ASCVD using the TyG index: evidence from Korean data**
Yong-Jae Lee (Yonsei University, Republic of Korea)
- 17:00-17:20 **Prediction of coronary artery calcification progression using the TyG index**
Ki-Bum Won (Chung-Ang University, Republic of Korea)
- 17:20-17:50 **Panel Discussion**
Kyung Woo Park (Seoul National University, Republic of Korea)
Se-eun Park (Sungkyunkwan University, Republic of Korea)
Jun-Hee Lee (Hallym University, Republic of Korea)

Organizer / Hyun Sung Joh (Seoul National University, Republic of Korea)

Insulin resistance is a key pathophysiology underlying metabolic disorders and is closely associated with the development of atherosclerotic cardiovascular disease (ASCVD). The triglyceride-glucose (TyG) index is a novel and simple surrogate marker of insulin resistance, calculated using fasting triglyceride and glucose levels, and has demonstrated comparable accuracy to HOMA-IR. In this session, we will explore the clinical role of the TyG index based on recent national and international studies regarding its predictive value for ASCVD. Professor Patricio Lopez-Jaramillo from Universidad de Santander, Colombia, will present multinational data on the association between the TyG index and ASCVD. Professor Yong-Jae Lee from Yonsei University College of Medicine, Republic of Korea, will share findings from Korean data on the same topic. Finally, Professor Ki-Bum Won from Chung-Ang University College of Medicine, Republic of Korea, will offer a lecture on the relationship between the TyG index and coronary artery calcification.

JAS-TSLA-KSoLA Joint Symposium

Sep 11(Thu) 16:20-17:50 | Room 2 (3F)

Familial Hypercholesterolemia (FH) in the Era of Precision Medicine

CHAIRPERSONS : Donghoon Choi (Yonsei University, Republic of Korea)
Woo Je Lee (University of Ulsan, Republic of Korea)

- 16:20-16:40 **Early detection of FH: role of genetic screening and cascade testing**
Hayato Tada (Kanazawa University, Japan)
- 16:40-17:00 **Cardiovascular risk in FH: how early is early enough for intervention**
Po-Sheng Chen (National Cheng Kung University, Taiwan)
- 17:00-17:20 **Beyond statins: advances in FH management**
Chan Joo Lee (Yonsei University, Republic of Korea)
- 17:20-17:50 **Panel Discussion**
Hoyoun Won (Chung-Ang University, Republic of Korea)
Dae Young Cheon (Hallym University, Republic of Korea)
Seong Huan Choi (Inha University, Republic of Korea)
Hun Jee Choe (Hallym University, Republic of Korea)

Organizer / Hyue Mee Kim (Chung-Ang University, Republic of Korea)

This joint symposium, "Familial Hypercholesterolemia in the Era of Precision Medicine," brings together experts from Korea, Japan, and Taiwan to explore cutting-edge strategies in FH care. The session will begin with an update on advances in FH management beyond statins, followed by a presentation on the role of genetic screening and cascade testing for early detection. A third lecture will address the question of cardiovascular risk in FH, focusing on how early intervention should be considered. The symposium will conclude with a panel discussion, providing an opportunity to share perspectives and experiences across the three countries, and to highlight the potential of precision medicine in shaping personalized management of FH.

Symposium 9

Sep 11(Thu) 16:20-17:50 | Room 3 (3F)

How Low is Low Enough for LDL-C in Diabetes?

CHAIRPERSONS : Eun Gyoung Hong (Hallym University, Republic of Korea)
Chul Sik Kim (Yonsei University, Republic of Korea)



- 16:20-16:40 **LDL-C targets for patients with diabetes across major guidelines**
Jong Han Choi (Konkuk University, Republic of Korea)
- 16:40-17:00 **Pro: all patients with diabetes should be treated to LDL-C <55 mg/dL?**
Wonjin Kim (CHA University, Republic of Korea)
- 17:00-17:20 **Cons: LDL-C targets should be personalized in diabetic patients?**
Mihye Seo (Soonchunhyang University, Republic of Korea)
- 17:20-17:50 **Panel Discussion**
Sungha Park (Yonsei University, Republic of Korea)
SungA Bae (Yonsei University, Republic of Korea)
Ye Seul Yang (Seoul National University, Republic of Korea)

Organizer / Hyun-Jin Kim (Hanyang University, Republic of Korea)

Organized by the Clinical Practice Guideline Committee of KSoLA, this session will address a central and timely question: "How Low is Low Enough for LDL-C in Diabetes?" The session begins with a comparative overview by Professor Jong Han Choi (Konkuk University, Republic of Korea), who will examine LDL-C targets for diabetic patients across major international guidelines. Following this, a structured debate will explore two contrasting perspectives: Professor Wonjin Kim (CHA University, Republic of Korea) will argue in favor of intensive treatment for all diabetic patients aiming for LDL-C <55 mg/dL, while Professor Mihye Seo (Soonchunhyang University, Republic of Korea) will advocate for a personalized approach based on individual risk profiles. This symposium promises to offer clinically relevant insights into optimizing lipid management strategies in patients with diabetes, balancing guideline recommendations with real-world considerations.

Symposium 10

Sep 11(Thu) 16:20-17:50 | Room 4 (5F)

Socioeconomic Status: The Missing Piece in Cardiovascular Risk Stratification

CHAIRPERSONS : Sung Nim Han (Seoul National University, Republic of Korea)
Jeongseon Kim (National Cancer Center, Republic of Korea)



- 16:20-16:40 **Mechanisms linking socioeconomic status and cardiovascular risk**
SungHee Choi (Seoul National University, Republic of Korea)
- 16:40-17:00 **Epidemiologic evidence on socioeconomic status and cardiovascular outcomes**
Jong-Ha Baek (Gyeongsang National University, Republic of Korea)
- 17:00-17:20 **New models for CVD risk assessment: incorporating socioeconomic data**
Sadiya S. Khan (Northwestern University, USA)
- 17:20-17:50 **Panel Discussion**
Dae-Young Kim (Inha University, Republic of Korea)
Hyun-Jin Kim (Hanyang University, Republic of Korea)
Yongjoo Park (Chonnam National University, Republic of Korea)
Sangmo Hong (Hanyang University, Republic of Korea)

Organizer / Jee Hee Yoo (Chung-Ang University, Republic of Korea)

Recent updates to the ASCVD risk prediction model, including the introduction of the PREVENT equation, reflect several key advances—one of which is the integration of socioeconomic factors. This shift highlights the growing recognition of social determinants as important contributors to cardiovascular risk. In this session, we will explore the multifaceted impact of socioeconomic status on ASCVD. Professor Seonghee Choi from Seoul National University Bundang Hospital, Republic of Korea, will discuss the underlying mechanisms linking socioeconomic disadvantage to cardiovascular outcomes. Professor Jongha Baek from Gyeongsang National University, Republic of Korea, will present epidemiological evidence illustrating the magnitude of this association. Finally, Professor Sadiya S. Khan from Northwestern University Feinberg School of Medicine, USA, will introduce a novel cardiovascular risk prediction model that incorporates socioeconomic variables into traditional clinical frameworks.

Breakfast Symposium 1

Sep 12(Fri) 07:30-08:00 | Room 1 (3F)

CHAIRPERSON : Sung Rae Kim (The Catholic University of Korea, Republic of Korea)



07:30-07:50 **The cardio-renal-metabolic vicious cycle: choosing the suitable statin for complex risk profiles**

Youngwoo Jang (Gachon University, Republic of Korea)

07:50-08:00 **Panel Discussion**

So Hee Kwon (Soonchunhyang University, Republic of Korea)

Woohyeun Kim (Hanyang University, Republic of Korea)

Breakfast Symposium 2

Sep 12(Fri) 07:30-08:00 | Room 2 (3F)

CHAIRPERSON : Hyo-Soo Kim (Seoul National University, Republic of Korea)



07:30-07:50 **Lowest is the best: reduction of LDL-C level and CV risk in ASCVD patients**

Dae Young Cheon (Hallym University, Republic of Korea)

07:50-08:00 **Panel Discussion**

Dong-Hwa Lee (Chungbuk National University, Republic of Korea)

Oh-Hyun Lee (Yonsei University, Republic of Korea)

Breakfast Symposium 3

Sep 12(Fri) 07:30-08:00 | Room 3 (3F)

CHAIRPERSON : Do-Sun Lim (Korea University, Republic of Korea)



07:30-07:50 **Upfront lipid-lowering combination therapy in very high-risk patients: not a choice, a necessity**

Kang-Un Choi (Yeungnam University, Republic of Korea)

07:50-08:00 **Panel Discussion**

Keehwan Lee (University of Ulsan, Republic of Korea)

A Ram Hong (Chonnam National University, Republic of Korea)

Breakfast Symposium 4

Sep 12(Fri) 07:30-07:54 | Room 4 (5F)

CHAIRPERSON : Myung A Kim (Seoul National University, Republic of Korea)



07:30-07:42 **New concepts of dyslipidemia medication: the lower, the smaller**

Wonjin Kim (CHA University, Republic of Korea)

07:42-07:54 **Meeting an unmet need: low-dose atorvastatin**

Doyeon Hwang (Seoul National University, Republic of Korea)

Symposium 11

Sep 12(Fri) 08:30-10:00 | Room 1 (3F)

Genetic Insights into Dyslipidemia and Diabetes:
Pathways, Predictions, and Interventions

CHAIRPERSONS : Hyun Jae Kang (Seoul National University, Republic of Korea)
Byung-Wan Lee (Yonsei University, Republic of Korea)

- 08:30-08:50 **Exploring the genetic landscape of CVD and diabetes: finding and future implication**
Soo Heon Kwak (Seoul National University, Republic of Korea)
- 08:50-09:10 **Multi-omics and multi-trait analysis of metabolic disease**
Hong-Hee Won (Sungkyunkwan University, Republic of Korea)
- 09:10-09:30 **Gene-targeting therapy in familial hypercholesterolemia**
Sang-Hak Lee (Yonsei University, Republic of Korea)
- 09:30-10:00 **Panel Discussion**
Yoo-Wook Kwon (Seoul National University, Republic of Korea)
Hee-Dong Kim (Soonchunhyang University, Republic of Korea)
Young Shin Lee (Kyung Hee University, Republic of Korea)

Organizer / Mihye Seo (Soonchunhyang University, Republic of Korea)

This session, "Genetic Insights into Dyslipidemia and Diabetes: Pathways, Predictions, and Interventions," delves into the latest genetic advances impacting cardiovascular and metabolic diseases. Attendees will explore the evolving genetic landscape of cardiovascular disease (CVD) and diabetes, considering future implications for prediction and prevention. The second presentation examines the powers of multi-omics and multi-trait analyses in unraveling the complexity of metabolic disorders. Next, exciting developments in gene therapy for familial hypercholesterolemia will be showcased, highlighting cutting-edge interventions. The session concludes with an engaging discussion, fostering collaboration and reflection on how genetic research can translate into better clinical outcomes.

AAS-KSoLA Joint Symposium

Sep 12(Fri) 08:30-10:00 | Room 2 (3F)

Comprehensive Strategies for the Prevention of Atherosclerosis:
Current Insights and Future Directions

CHAIRPERSONS : Jae Bum Kim (Seoul National University, Republic of Korea)
Hyeong Kyu Park (Soonchunhyang University, Republic of Korea)

- 08:30-08:50 **Metabolic disease promotes deoxyceramide accumulation in immune cells altering cytokine production**
Andrew Murphy (Baker Heart and Diabetes Institute, Australia)
- 08:50-09:10 **The role of digital health technology in managing atherosclerosis**
Hojin Choi (Hanyang University, Republic of Korea)
- 09:10-09:30 **Impact of lipid-lowering therapy on aortic aneurysm progression and cardiovascular outcomes**
Gyu Chul Oh (The Catholic University of Korea, Republic of Korea)
- 09:30-10:00 **Panel Discussion**
Ung Kim (Yeungnam University, Republic of Korea)
Da Young Lee (Korea University, Republic of Korea)
Jong-Young Lee (Sungkyunkwan University, Republic of Korea)

Organizer / Yong Hyun Park (Pusan National University, Republic of Korea)

At the AAS-KSoLA Joint Symposium, we will learn about current insights and future directions on comprehensive strategies for the prevention of atherosclerosis. In the first lecture, Professor Andrew Murphy, an invited lecturer of the Australian Atherosclerosis Society, will present a lecture on emerging biomarkers and anti-inflammatory treatments related to the topics of atherosclerosis and inflammation. In the next lecture, we will learn about the role of digital health technology in managing atherosclerosis. In the last lecture, we prepared an opportunity to hear about the effects of lipid-lowering treatment on the progression of aortic aneurysms and clinical outcomes. This session will provide a comprehensive overview of the research achievements in the basic fields related to the progression of atherosclerosis and the digital management system, as well as the effects of lipid-lowering agents on the progression of aortic aneurysms, which are clinically significant diseases.

Symposium 12

Sep 12(Fri) 08:30-10:00 | Room 3 (3F)

Residual CV Risk Era: Remnant Cholesterol

CHAIRPERSONS : Jeong-Taek Woo (Kyung Hee University, Republic of Korea)
Jae Hyoung Park (Korea University, Republic of Korea)



- 08:30-08:50 **Remnant cholesterol as a residual risk in ASCVD patients under statin-based lipid-lowering therapy**
Sung Gyun Ahn (Yonsei University, Republic of Korea)
- 08:50-09:10 **Association between remnant cholesterol and sarcopenia: implications on muscle health**
Soo Yeon Jang (Korea University, Republic of Korea)
- 09:10-09:30 **Targeting remnant cholesterol in the era of precision lipid management**
Pablo Corral (Fasta University, Argentina)
- 09:30-10:00 **Panel Discussion**
Kyung-Soo Kim (CHA University, Republic of Korea)
Hong Seok Lim (Ajou University, Republic of Korea)
Jaehoon Chung (Dongguk University, Republic of Korea)

Organizer / Jun Hwa Hong (Eulji University, Republic of Korea)

While TG have historically been overshadowed by the focus on LDL-C, the cumulative evidence suggests that they should not be ignored as a risk factor for CVD and should clearly be taken into account when assessing atherosclerotic residual risk. TG and their remnant cholesterol have direct implications in the pathogenesis of atherosclerotic CVD and their management could represent an additional therapeutic strategy.

In this session, we will present the relationship of remnant cholesterol and ASCVD, furthermore sarcopenia. Although lack of clear evidence, recent strategy to target remnant cholesterol will be introduced. Through this session, we hope you to widen the scope of lipid management.

Symposium 13

Sep 12(Fri) 08:30-10:00 | Room 4 (5F)

Shaping the Future of Lipid Management: Insights from the New Consensus and Current Dyslipidemia Trends

CHAIRPERSONS : Keeho Song (Konkuk University, Republic of Korea)
Sang-Rok Lee (Jeonbuk National University, Republic of Korea)



- 08:30-08:50 **2024 KSoLA consensus on secondary dyslipidemia**
Jae Hyun Bae (Seoul National University, Republic of Korea)
- 08:50-09:10 **Understanding the progression of obesity-induced organ damage: Insights from the EAS staging system**
Dae Young Cheon (Hallym University, Republic of Korea)
- 09:10-09:30 **Sex-specific gaps in lipid management and ASCVD**
Hyun-Jin Kim (Hanyang University, Republic of Korea)
- 09:30-10:00 **Panel Discussion**
Min Kyong Moon (Seoul National University, Republic of Korea)
Jaehyun Bae (Hallym University, Republic of Korea)
Ji-Yong Jang (National Health Insurance Service Ilsan Hospital, Republic of Korea)

Organizer / Hyun-Jin Kim (Hanyang University, Republic of Korea)

Symposium 13 will highlight current trends and regional advances in dyslipidemia management, shaping the future of lipid care in Asia. The session opens with an overview of the 2024 KSoLA Consensus on Secondary Dyslipidemia, presenting practical guidance on managing lipid disorders in patients with comorbid conditions. It will then shift to epidemiological and clinical insights from China and Japan, where speakers will discuss national trends, healthcare innovations, and evolving treatment strategies. This symposium provides an opportunity to understand how different healthcare systems approach dyslipidemia and to explore collaborative pathways for improving lipid management across diverse populations in the Asia-Pacific region.

Plenary Lecture 1

Sep 12(Fri) 10:20-11:00 | Room 1,2,3 (3F)

CHAIRPERSON : Sang-Hyun Kim (Seoul National University, Republic of Korea)



10:20-11:00 **Advances in lipid-lowering therapy: shaping the future of cardiovascular prevention**
Ioanna Gouni-Berthold (University of Cologne, Germany)

Organizer / Wonjin Kim (CHA University, Republic of Korea)

Professor Ioanna Gouni-Berthold is a distinguished Professor of Internal Medicine and Endocrinology at the University of Cologne, Germany, and a leading member of the Center for Endocrinology, Diabetes and Preventive Medicine at the University Hospital of Cologne. Her clinical and research expertise lies in lipid metabolism, dyslipidemia, cardiovascular risk management, and metabolic diseases. Professor Gouni-Berthold has contributed extensively to the field through numerous publications in high-impact journals and active involvement in international clinical trials and guideline development committees.

At ICoLA 2025, she has been invited as a Plenary Lecturer to present on the topic: "Advances in lipid-lowering therapy: shaping the future of cardiovascular prevention."

In this lecture, Professor Gouni-Berthold will discuss the most recent advances in lipid-lowering therapies, highlighting their mechanisms of action, clinical trial data, and potential to reshape current paradigms in cardiovascular prevention.

Special Lecture 1 (K)

Sep 12(Fri) 11:05-11:45 | Room 1,2,3 (3F)

CHAIRPERSON : Sung Rae Kim (The Catholic University of Korea, Republic of Korea)



11:05-11:45 **Integrating ChatGPT into medical and clinical research workflows**
Ki-Hyun Jeon (Seoul National University, Republic of Korea)

Organizer / Wonjin Kim (CHA University, Republic of Korea)

Professor Ki-Hyun Jeon from Seoul National University, Republic of Korea, is a leading expert in digital health and medical informatics, with a particular focus on applying artificial intelligence to clinical data and research processes. He has recently garnered wide attention for pioneering the integration of generative AI tools such as ChatGPT into real-world medical research, manuscript drafting, and data interpretation workflows. In ICoLA 2025, Professor Jeon will deliver a Special Lecture titled "Integrating ChatGPT into medical and clinical research workflows." This session will highlight practical use cases, emerging methodologies, and the potential impact of AI-powered tools on the future of evidence generation and scientific communication in medicine. His insights will be especially valuable for clinicians and researchers seeking to incorporate cutting-edge technology into their research environments.

Luncheon Symposium 1 (K)

Sep 12(Fri) 12:00-12:30 | Room 1 (3F)

CHAIRPERSON : Young-Bae Park (Seoul National University, Republic of Korea)



12:00-12:20 **Integrated management of hypertension and dyslipidemia for cardiovascular disease prevention**
Chan Joo Lee (Yonsei University, Republic of Korea)

12:20-12:30 **Panel Discussion**
Ye An Kim (Veterans Health Service Medical Center, Republic of Korea)
Hanbit Park (University of Ulsan, Republic of Korea)

Luncheon Symposium 2

Sep 12(Fri) 12:00-12:30 | Room 2 (3F)

CHAIRPERSON : Moon-Kyu Lee (Eulji University, Republic of Korea)



12:00-12:20 **A new "standard" in dyslipidemia treatment**
Jeehoon Kang (Seoul National University, Republic of Korea)

12:20-12:30 **Panel Discussion**
Soo Kyoung Kim (Gyeongsang National University, Republic of Korea)
Subin Lim (Ewha Womans University, Republic of Korea)

Luncheon Symposium 3

Sep 12(Fri) 12:00-12:30 | Room 3 (3F)

CHAIRPERSON : Chee Jeong Kim (Chung-Ang University, Republic of Korea)



12:00-12:20 **Recent trends and clinical evidence for optimizing lipid management**
Jong-Chan Youn (The Catholic University of Korea, Republic of Korea)

12:20-12:30 **Panel Discussion**
Sang Ah Lee (Jeju National University, Republic of Korea)
Sungsoo Cho (Yonsei University, Republic of Korea)

Luncheon Symposium 4

Sep 12(Fri) 12:00-12:30 | Room 4 (5F)



CHAIRPERSON : Shung Chull Chae (Kyungpook National University, Republic of Korea)

12:00-12:20 Closing the LDL-C gap in ASCVD: the role of siRNA therapy

Jung Ho Heo (Kosin University, Republic of Korea)

12:20-12:30 Panel Discussion

Youngsook Kim (Soonchunhyang University, Republic of Korea)

Sungjoon Park (Seoul National University, Republic of Korea)

Symposium 14

Sep 12(Fri) 13:00-14:30 | Room 2 (3F)



What is Important beyond Stenosis in Intracranial Atherosclerosis

CHAIRPERSONS : Eung Gyu Kim (Inje University, Republic of Korea)
Kwang-Yeol Park (Chung-Ang University, Republic of Korea)

13:00-13:20 Vascular tortuosity and atherosclerosis burden

Mi-Yeon Eun (Kyungpook National University, Republic of Korea)

13:20-13:40 Vessel wall enhancement and inflammation

Dong-Wan Kang (Seoul National University, Republic of Korea)

13:40-14:00 Blood viscosity and intracranial atherosclerosis

Ho Geol Woo (Kyung Hee University, Republic of Korea)

14:00-14:30 Panel Discussion

Hyung-Min Kwon (Seoul National University, Republic of Korea)

Bum Joon Kim (University of Ulsan, Republic of Korea)

Woo-Keun Seo (Sungkyunkwan University, Republic of Korea)

Jin-Man Jung (Korea University, Republic of Korea)

Organizer / Jeong-Min Kim (Seoul National University, Republic of Korea)

Although luminal narrowing has traditionally guided our understanding of intracranial atherosclerosis and captured clinicians' attention, growing evidence reveals that its impact reaches well beyond narrowing alone. This session, "What Is Important beyond Stenosis in Intracranial Atherosclerosis," explores three key dimensions-vascular tortuosity and plaque burden, vessel wall enhancement and inflammation, and blood viscosity's role in cerebral flow and stroke risk. Professor Mi-Yeon Eun, who is a stroke neurologist and neuro-interventionist from Kyungbook National University Chilgok Hospital, Republic of Korea, will present the relation between intracranial vascular tortuosity and overall atherosclerosis burden. Professor Dong-Wan Kang, a stroke neurologist from Seoul National University Bundang Hospital, Republic of Korea, will present the clinical impact of vascular enhancement and inflammation detected from high resolution vessel wall MRI. Professor Ho Geol Woo, a stroke neurologist and neuro-interventionist from Kyung Hee University Hospital, Republic of Korea, will present how blood viscosity affect development and stability of intracranial atherosclerosis. Together, these insights push us toward a more holistic approach to diagnosis and management of intracranial atherosclerosis.

Symposium 15

Sep 12(Fri) 13:00-14:30 | Room 3 (3F)

Nontraditional Risk Factors for ASCVD

CHAIRPERSONS : Seok-Min Kang (Yonsei University, Republic of Korea)
Young Sup Byun (Inje University, Republic of Korea)



- 13:00-13:20 **Environmental pollution as a nontraditional risk factor for atherosclerotic cardiovascular disease: mechanisms and impacts**
Sun-Young Kim (National Cancer Center, Republic of Korea)
- 13:20-13:40 **Health inequity as a nontraditional risk factor for ASCVD**
Eunji Kim (Gachon University, Republic of Korea)
- 13:40-14:00 **Psychiatric disorders: an overlooked nontraditional risk factor in the development of atherosclerotic cardiovascular disease**
Seung Jin Han (Ajou University, Republic of Korea)
- 14:00-14:30 **Panel Discussion**
Si-Hyuck Kang (Seoul National University, Republic of Korea)
Ji-Hyun Kim (The Catholic University of Korea, Republic of Korea)
Jaehyun Bae (Hallym University, Republic of Korea)
Jong-Tae Lee (Korea University, Republic of Korea)

Organizer / Jae Hyun Bae (Seoul National University, Republic of Korea)

Atherosclerotic cardiovascular disease (ASCVD) remains a leading cause of morbidity and mortality worldwide, yet many nontraditional risk factors are still underrecognized. This session highlights emerging contributors to ASCVD, offering new perspectives on disease development and progression. The first presentation explores how environmental pollution affects atherosclerosis through various biological mechanisms. The second addresses the impact of health inequity and social determinants on ASCVD risk. The final talk focuses on psychiatric disorders as an often-overlooked but important risk factor for ASCVD. By highlighting these topics, we aim to encourage a more comprehensive approach to ASCVD prevention.

Symposium 16

Sep 12(Fri) 13:00-14:30 | Room 4 (5F)

Defining the Optimal LDL-C Target for Prevention of Atherosclerotic Cardiovascular and Cerebrovascular Disease

CHAIRPERSONS : Jeong-Taek Woo (Kyung Hee University, Republic of Korea)
Min Kyong Moon (Seoul National University, Republic of Korea)



- 13:00-13:20 **Optimal LDL-C goals for secondary prevention in high-risk patients - a cardiologist's perspective**
Hyun Sung Joh (Seoul National University, Republic of Korea)
- 13:20-13:40 **Optimal LDL-C level for stroke prevention - insights from a neurologist's perspective**
Wookjin Yang (University of Ulsan, Republic of Korea)
- 13:40-14:00 **Different LDL-C targets by duration of diabetes: what is the evidence? - an endocrinologist's perspective**
Young-Sang Lyu (Chosun University, Republic of Korea)
- 14:00-14:30 **Panel Discussion**
Kyung-Soo Kim (CHA University, Republic of Korea)
Minwoo Lee (Hallym University, Republic of Korea)
Jung-Kyu Han (Seoul National University, Republic of Korea)
Joon Ho Moon (Seoul National University, Republic of Korea)

Organizer / Seung Hun Lee (Chonnam National University, Republic of Korea)

Symposium 16 is titled "Defining the Optimal LDL-C Target for Prevention of Atherosclerotic Cardiovascular and Cerebrovascular Disease." The session opens with a cardiologist's perspective on establishing optimal LDL-C goals for secondary prevention in high-risk patients. The second presentation offers a neurologist's insights into optimal LDL-C levels specifically for stroke prevention. Finally, an endocrinologist will review the evidence for varying LDL-C targets according to diabetes duration and discuss strategies for personalized guideline development. This symposium promises to deliver critical, evidence-based perspectives to bridge guideline recommendations with real-world clinical practice in cardiovascular and cerebrovascular disease prevention.

Keynote Lecture 1

Sep 12(Fri) 15:50-16:30 | Room 1,2,3 (3F)

CHAIRPERSON : Ick-Mo Chung (Ewha Womans University, Republic of Korea)



15:50-16:30 **Multi-omics data integration from patients with carotid stenosis illuminates key molecular signatures of atherosclerotic instability**

Ljubica Matic (Karolinska Institute, Sweden)

Organizer / Jaehoon Chung (Dongguk University, Republic of Korea)

In this lecture, Dr. Ljubica Matic will present on “Multi-omics data integration from patients with carotid stenosis illuminates key molecular signatures of atherosclerotic instability,” introducing the current applications of various omics technologies in understanding the complex biological mechanisms underlying vascular diseases.

Through integrated analysis of genomic, transcriptomic, proteomic, metabolomic, and epigenomic data, she will demonstrate comprehensive methodological approaches for in-depth characterization of molecular pathways involved in major vascular conditions including atherosclerosis, hypertension, and vascular remodeling.

Drawing from recent advances in transcriptomics and systems biology research, Dr. Matic will explain how multi-omics approaches serve as critical bridges in translational research between basic science discoveries and clinical applications.

This presentation will share cutting-edge research findings on the identification of novel biomarkers, regulatory network analysis, and therapeutic target discovery related to vascular diseases, and will provide a platform for interdisciplinary collaboration and in-depth academic discourse in the field of vascular medicine.

Symposium 17

Sep 12(Fri) 16:45-18:15 | Room 1 (3F)

Emerging Drugs for Dyslipidemia Management

CHAIRPERSONS : Ki Chul Sung (Sungkyunkwan University, Republic of Korea)
Hack-Young Kim (Seoul National University, Republic of Korea)



16:45-17:05 **Bempedoic acid in real world practice, for whom?**

Ioanna Gouni-Berthold (University of Cologne, Germany)

17:05-17:25 **Targeting APOC3 for triglyceride management**

Jin Wi (Gachon University, Republic of Korea)

17:25-17:45 **ANGPTL3 and ANGPTL8 inhibition: novel strategies to combat atherogenic dyslipidemia**

Jaehoon Lee (Kyungpook National University, Republic of Korea)

17:45-18:15 **Panel Discussion**

Si-Hyuck Kang (Seoul National University, Republic of Korea)

Yea Eun Kang (Chungnam National University, Republic of Korea)

Joon Ho Moon (Seoul National University, Republic of Korea)

Jung-Kyu Han (Seoul National University, Republic of Korea)

Organizer / Jaehoon Chung (Dongguk University, Republic of Korea)

This session entitled “Emerging Drugs for Dyslipidemia Management” addresses innovative pharmacological strategies to tackle residual lipid risk that persists despite statin therapy.

While LDL-C reduction remains the cornerstone of dyslipidemia management, a substantial number of patients continue to face elevated cardiovascular risk due to hypertriglyceridemia, elevated remnant cholesterol, or persistent atherogenic dyslipidemia.

The first lecture will examine the real-world clinical applications of bempedoic acid and identify patient populations who may derive maximum therapeutic benefit. The second lecture will focus on APOC3 inhibition strategies for severe hypertriglyceridemia management, discussing clinical applicability in familial chylomicronemia syndrome and mixed dyslipidemia with supporting evidence from recent clinical trials.

The final lecture will present the regulatory mechanisms of ANGPTL3 and ANGPTL8 in lipid metabolism and introduce the development status of next-generation therapeutic approaches targeting these pathways.

Through this session, attendees will gain comprehensive insights into the latest paradigms in lipid-lowering therapy and future prospects for clinical implementation.

VAS-KSoLA Joint Symposium

Sep 12(Fri) 16:45-18:15 | Room 2 (3F)

Lipid-Lowering Strategies: Targets and Therapies in Clinical Practice

CHAIRPERSONS : Ki Hoon Han (University of Ulsan, Republic of Korea)
Eun-Jung Rhee (Sungkyunkwan University, Republic of Korea)

- 16:45-17:05 **Triglyceride and HDL-C focus in Asian populations: rethinking priorities?**
Jaehoon Chung (Dongguk University, Republic of Korea)
- 17:05-17:25 **Combined lipid-lowering therapy: when statins alone are not enough**
Chang Hee Jung (University of Ulsan, Republic of Korea)
- 17:25-17:45 **Ethnic differences in managing dyslipidemia: tailoring treatment strategies for Asian and Western populations**
Tien Hoang Anh (Hue University of Medicine and Pharmacy, Vietnam)
- 17:45-18:15 **Panel Discussion**
Hyun-Suk Yang (Konkuk University, Republic of Korea)
Jong-Young Lee (Sungkyunkwan University, Republic of Korea)
Jung Rae Cho (Hallym University, Republic of Korea)

Organizer / Jin Kyung Oh (Chungnam National University, Republic of Korea)

This session will explore ethnic-specific characteristics of dyslipidemia, with a focus on Asian populations, and discuss optimal lipid-lowering strategies tailored to diverse clinical needs. The first speaker, Professor Jaehoon Chung from Dongguk University, Republic of Korea, will focus on hypertriglyceridemia and low HDL-C commonly observed in Asian populations, introducing a novel approach to treatment prioritization. Next, Professor Chang Hee Jung from University of Ulsan, Republic of Korea, will discuss the need for combination lipid-lowering therapy in patients for whom statin monotherapy is insufficient, supported by recent clinical evidence. Finally, Professor Tien Hoang Anh from Hue University of Medicine and Pharmacy, Vietnam, will emphasize the importance of personalized treatment strategies that account for ethnic differences between Asian and Western populations, highlighting both regional guideline variations and shared principles. Join us for this session to gain practical insights into diverse lipid management strategies applicable to clinical practice.

Symposium 18

Sep 12(Fri) 16:45-18:15 | Room 3 (3F)

Sex and Gender Differences in Cardiometabolic Health: From Biology to Treatment

CHAIRPERSONS : Wook Bum Pyun (Ewha Womans University, Republic of Korea)
Mi-Seung Shin (Gachon University, Republic of Korea)

- 16:45-17:05 **Biological and hormonal mechanisms linking sex and cardiometabolic risk**
Erin D. Michos (Johns Hopkins University, USA)
- 17:05-17:25 **Sex and gender differences in risk assessment and biomarkers for cardiovascular disease**
Ji Eun Lee (Korea University, Republic of Korea)
- 17:25-17:45 **Do women and men respond differently to cardiometabolic therapies?**
Hyun Ju Yoon (Chonnam National University, Republic of Korea)
- 17:45-18:15 **Panel Discussion**
Hyun-Jin Kim (Hanyang University, Republic of Korea)
Ye Seul Yang (Seoul National University, Republic of Korea)
Hyeonju Jeong (Hanyang University, Republic of Korea)

Organizer / Ye Seul Yang (Seoul National University, Republic of Korea)

Sex and gender differences in cardiometabolic health have emerged as a critical dimension in precision medicine. This symposium will explore these complexities, ranging from biological and hormonal mechanisms to gender-informed differences in diagnosis and therapy. Professor Erin D. Michos from Johns Hopkins University, USA, will discuss mechanistic insights linking sex and cardiometabolic risk. Professor Ji Eun Lee from Korea University, Republic of Korea, will highlight how sex and gender influence cardiovascular risk assessment and biomarker interpretation. Finally, Professor Hyun Ju Yoon from Chonnam National University, Republic of Korea, will address the differential responses of men and women to cardiometabolic therapies. This session aims to highlight why sex-specific approaches are essential for accurate risk stratification and effective treatment in cardiometabolic disease.

Symposium 19

Sep 12(Fri) 16:45-18:15 | Room 4 (5F)

Immunometabolic Programming of Macrophages in Cardiovascular Injury and Repair

CHAIRPERSONS : Goo Taeg Oh (Ewha Womans University, Republic of Korea)
Yongseek Park (Kyung Hee University, Republic of Korea)

- 16:45-17:05 **Glutamine homeostasis: an overlooked axis in cardiometabolic inflammation**
Laurent Yvan-Charvet (INSERM, France)
- 17:05-17:25 **Myeloid metabolism in the amplification and resolution of cardiac inflammation**
Edward Thorp (Northwestern University, USA)
- 17:25-17:45 **Therapeutic promise of ANGPTL4 in cardiovascular inflammation**
Yong Sook Kim (Chonnam National University, Republic of Korea)
- 17:45-18:15 **Panel Discussion**
Jeong-Min Kim (Seoul National University, Republic of Korea)
Jae-Hoon Choi (Hanyang University, Republic of Korea)
Kyung-Sun Heo (Chungnam National University, Republic of Korea)

Organizer / Jun Namkung (Yonsei University, Republic of Korea)

Macrophage immunometabolism plays a pivotal role in orchestrating inflammation and repair in cardiovascular disease. This session will highlight emerging metabolic axes governing macrophage function in cardiometabolic injury and recovery. Professor Laurent Yvan-Charvet from INSERM, France, will introduce glutamine homeostasis as a previously overlooked regulator of cardiometabolic inflammation, shedding light on its immunomodulatory roles. Professor Edward Thorp from Northwestern University, USA, will present how myeloid cell metabolism influences both the amplification and resolution of cardiac inflammation, offering insights into innate immune reprogramming. Professor Yong Sook Kim from Chonnam National University, Republic of Korea, will present the therapeutic potential of ANGPTL4 in modulating inflammation and atherosclerosis. This session offers a comprehensive overview of the immunometabolic programming of macrophages and its translational relevance in cardiovascular injury and repair.

Breakfast Symposium 5

Sep 13(Sat) 07:50-08:20 | Room 1 (3F)

CHAIRPERSON : Jeong Euy Park (Drs Park & Kim Heart and Lung International Clinic, Republic of Korea)



- 07:50-08:10 **Benefits of atorvastatin / ezetimibe combination in diabetic dyslipidemia**
Yun Kyung Cho (University of Ulsan, Republic of Korea)
- 08:10-08:20 **Panel Discussion**
In Tae Moon (Eulji University, Republic of Korea)
Eunshil Hong (National Medical Center, Republic of Korea)

Breakfast Symposium 6

Sep 13(Sat) 07:50-08:35 | Room 2 (3F)

CHAIRPERSONS : Soon Jun Hong (Korea University, Republic of Korea)
Ade Meidian Ambari (Universitas Indonesia, Indonesia)

- 07:50-08:05 **Minimizing LDL-C variability via sustained, long-term efficacy**
Youngwoo Jang (Gachon University, Republic of Korea)
- 08:05-08:20 **The lower the better: Rosuvastatin's next option for dyslipidemia management**
Jina Choi (Seoul National University, Republic of Korea)
- 08:20-08:25 **Panel Discussion**
Bambang Widyanthoro (Universitas Indonesia, Indonesia)
- 08:25-08:35 **MOU Ceremony - The Indonesian Heart Association (IHA) & The Korean Society of Lipid and Atherosclerosis (KSoLA)**

Breakfast Symposium 7

Sep 13(Sat) 07:50-08:20 | Room 3 (3F)



CHAIRPERSON : Kyong Soo Park (Konkuk University, Republic of Korea)

07:50-08:10 **Safety and efficacy of moderate-intensity statin with ezetimibe in elderly patient with ASCVD**

Jung-Joon Cha (Korea University, Republic of Korea)

08:10-08:20 **Panel Discussion**

Shin-young Woo (Konyang University, Republic of Korea)

Kyu-Sun Lee (Eulji University, Republic of Korea)

Breakfast Symposium 8

Sep 13(Sat) 07:50-08:26 | Room 4 (5F)



CHAIRPERSON : Hyun Ho Shin (Asan Chungmu Hospital, Republic of Korea)

07:50-08:02 **New approaches to treating hypertriglyceridemia in patients with renal impairment**

Young-Sang Lyu (Chosun University, Republic of Korea)

08:02-08:14 **Profile of Pravastatin and its effects in transplant recipients**

Jae Yoon Park (Dongguk University, Republic of Korea)

08:14-08:26 **Comparative effectiveness of lercanidipine and amlodipine on MACE in hypertensive patients**

Hyung Joon Joo (Korea University, Republic of Korea)

CSATVB-KSoLA Joint Symposium

Sep 13(Sat) 08:50-10:20 | Room 2 (3F)



CHAIRPERSONS : In-Ho Chae (Seoul National University, Republic of Korea)
Jeong Hyeon Noh (Inje University, Republic of Korea)

08:50-09:10 **Cumulative LDL-cholesterol burden and cardiovascular risk: the unsuspected role of LDL transcytosis**

Warren Lee (Unity Health Toronto and University of Toronto, Canada)

09:10-09:30 **Dyslipidemia in youth: why early intervention matters for lifelong cardiovascular health**

Aram Yang (Sungkyunkwan University, Republic of Korea)

09:30-09:50 **Beyond LDL-C: role of ApoB and non-HDL cholesterol in early prevention**

Jae Hyoung Park (Korea University, Republic of Korea)

09:50-10:20 **Panel Discussion**

Yeoree Yang (The Catholic University of Korea, Republic of Korea)

Seung Hun Lee (Chonnam National University, Republic of Korea)

Sang Yup Lim (Korea University, Republic of Korea)

Jung Rae Cho (Hallym University, Republic of Korea)

Organizer / Yeoree Yang (The Catholic University of Korea, Republic of Korea)

This session, held as a joint symposium with the Canadian Society of Atherosclerosis, Thrombosis and Vascular Biology (CSATVB), will discuss how lifelong LDL cholesterol burden affects cardiovascular health and highlight the importance of timely, targeted prevention, while also extending the discussion to ApoB and non-HDL cholesterol as markers for early risk assessment. Professor Warren Lee (University of Toronto, Canada) will describe the mechanisms by which LDL particles cross the vascular endothelium and promote atherosclerosis, with a focus on endothelial transcytosis as a potential therapeutic target. Following this, Professor Aram Yang (Sungkyunkwan University, Republic of Korea) will address cardiovascular risk management in youth, discussing when and how to intervene for optimal long-term outcomes. The session will conclude with Professor Jae Hyoung Park (Korea University, Republic of Korea), who will examine the role of ApoB and non-HDL cholesterol in the early prevention of cardiovascular disease. Overall, this joint symposium integrates mechanistic insights with practical strategies to support lifelong cardiovascular risk reduction.

Symposium 20

Sep 13(Sat) 08:50-10:20 | Room 3 (3F)

Optimized Management of Cardiometabolic Syndrome in the Elderly: Focus on Multimorbidity and Frailty

CHAIRPERSONS : Kwang-il Kim (Seoul National University, Republic of Korea)
Hidenori Arai (National Center for Geriatrics and Gerontology, Japan)



- 08:50-09:10 **Strategies for managing hyperlipidemia in fragile elderly patients**
Dong-Ho Shin (Yonsei University, Republic of Korea)
- 09:10-09:30 **Optimizing glucose control in fragile elderly patients with cardiometabolic syndrome**
Soo Jin Yun (Kyung Hee University, Republic of Korea)
- 09:30-09:50 **How to deal with multimorbidity and frailty for the prevention of cardiovascular disease**
Hidenori Arai (National Center for Geriatrics and Gerontology, Japan)
- 09:50-10:20 **Panel Discussion**
Jung-Woo Son (Yonsei University, Republic of Korea)
Min Kyung Lee (Hanyang University, Republic of Korea)
Ja Young Jeon (Ajou University, Republic of Korea)
Jung Yeon Choi (Seoul National University, Republic of Korea)

Organizer / Jeong Yoon Jang (Gyeongsang National University, Republic of Korea)

As the number of elderly patients rapidly increase, this session is designed to understand the characteristics of these patients, such as their multimorbidity and fragility and to provide prevention and treatment strategies tailored to each disease and situation. Professor Dong-Ho Shin from Yonsei University, Republic of Korea, will discuss "Strategies for managing hyperlipidemia in fragile elderly patients." Professor Soojin Yun from Kyung Hee University, Republic of Korea, will cover "Optimizing glucose control in fragile elderly patients with cardiometabolic syndrome." Finally, Professor Hidenori Arai from National Center for Geriatrics and Gerontology, Japan, will deliver a lecture on "How to deal with multimorbidity and frailty for the prevention of cardiovascular disease."

Symposium 21

Sep 13(Sat) 08:50-10:20 | Room 4 (5F)

From Treatment to Prevention: A Paradigm Shift in Obesity

CHAIRPERSONS : Jang-Young Kim (Yonsei University, Republic of Korea)
Cheol-Young Park (Sungkyunkwan University, Republic of Korea)



- 08:50-09:10 **Anti-obesity effects of bioactive compound from natural products: a mechanism-oriented approach focusing on cellular signaling and metabolic regulation**
Choon Young Kim (Yeungnam University, Republic of Korea)
- 09:10-09:30 **Semaglutide for obesity treatment and cardiometabolic benefits**
Yun Kyung Cho (University of Ulsan, Republic of Korea)
- 09:30-09:50 **Tirzepatide a dual GIP GLP-1 receptor agonist in obesity and metabolic care**
Sang-Ho Jo (Hallym University, Republic of Korea)
- 09:50-10:20 **Panel Discussion**
Bu Kyung Kim (Kosin University, Republic of Korea)
Hyun-Suk Yang (Konkuk University, Republic of Korea)
Hyemoon Chung (Kyung Hee University, Republic of Korea)

Organizer / Jung-Joon Cha (Korea University, Republic of Korea)

This session provides an in-depth exploration of the paradigm shift in obesity management from treatment to prevention. Prof. Choon Young Kim (Yeungnam University, Republic of Korea) presents the anti-obesity effects of bioactive compounds from natural products, focusing on cellular signaling and metabolic regulation. Prof. Yun Kyung Cho (University of Ulsan, Republic of Korea) discusses the therapeutic potential of semaglutide in obesity and its cardiometabolic benefits. Prof. Sang-Ho Jo (Hallym University, Republic of Korea) addresses the role of tirzepatide, a dual GIP/GLP-1 receptor agonist, in obesity treatment and comprehensive metabolic care.

Plenary Lecture 2

Sep 13(Sat) 10:40-11:20 | Room 1,2,3 (3F)

CHAIRPERSON : Ki Hoon Han (University of Ulsan, Republic of Korea)



- 10:40-11:20 **Cholesterol lowering throughout the life-course to prevent atherosclerotic cardiovascular disease-a pragmatic population health approach**
Kausik Kumar Ray (Imperial Centre for Cardiovascular Disease Prevention, UK)

Organizer / Ye Seul Yang (Seoul National University, Republic of Korea)

Professor Kausik Kumar Ray is a Professor of Public Health and Primary Care at Imperial College London and Honorary Consultant Cardiologist at Imperial College NHS Trust. He is the Immediate Past President of the European Atherosclerosis Society and the Chair of the World Heart Federation Cholesterol Roadmap Committee. As a globally recognized expert in clinical trials and epidemiological research, his work has been cited over 178,000 times worldwide.

In this plenary lecture titled "Cholesterol lowering throughout the life-course to prevent atherosclerotic cardiovascular disease-a pragmatic population health approach," Professor Ray will highlight the importance of lipid management across the entire life course. The session will explore evidence-based strategies for the prevention of atherosclerotic cardiovascular disease (ASCVD), emphasizing a pragmatic and population-wide approach to cholesterol reduction.

Keynote Lecture 2

Sep 13(Sat) 11:25-12:05 | Room 1,2,3 (3F)

CHAIRPERSON : Byung-Chul Oh (Gachon University, Republic of Korea)



- 11:25-12:05 **The role of smooth muscle cells in atherosclerotic plaque progression**
Jacob Fog Bentzon (Aarhus University, Denmark)

Organizer / Hyun-Jin Kim (Hanyang University, Republic of Korea)

In Keynote Lecture 2, Professor Jacob Fog Bentzon from Aarhus University, Denmark, will present his latest findings on "The role of smooth muscle cells in atherosclerotic plaque progression." As a global authority in experimental atherosclerosis research, Professor Bentzon leads a team focused on uncovering the cellular mechanisms of atherosclerosis and identifying novel therapeutic targets. This lecture will explore the heterogeneity and phenotypic modulation of smooth muscle cells within atherosclerotic plaques and their impact on plaque stability and cardiovascular events. Bridging fundamental science and clinical relevance, this keynote will provide critical insights for those seeking to understand the pathobiology of atherosclerosis and to develop future treatment strategies.

Luncheon Symposium 5 (K)

Sep 13(Sat) 12:20-12:50 | Room 1 (3F)

CHAIRPERSON : Kwang-Won Kim (Gachon University, Republic of Korea)



- 12:20-12:40 **Cutting edge care of pitavastatin with ezetimibe combination therapy**
Soo Lim (Seoul National University, Republic of Korea)
- 12:40-12:50 **Panel Discussion**
Ji Yoon Kim (Sungkyunkwan University, Republic of Korea)
Hyun Sung Joh (Seoul National University, Republic of Korea)

Luncheon Symposium 6

Sep 13(Sat) 12:20-12:50 | Room 2 (3F)

CHAIRPERSON : Myung Ho Jeong (Gwangju Veterans Hospital, Republic of Korea)



- 12:20-12:40 **Clinical efficacy of ultra-low-dose triple combination therapy (Amlodipine/Losartan/Chlorthalidone) in hypertension management**
Kyu-Yong Ko (Inje University, Republic of Korea)
- 12:40-12:50 **Panel Discussion**
Yu Ji Kim (Jeonbuk National University, Republic of Korea)
Ki Hong Choi (Sungkyunkwan University, Republic of Korea)

Luncheon Symposium 7

Sep 13(Sat) 12:20-12:50 | Room 3 (3F)

CHAIRPERSON : Hak Chul Jang (Seoul National University, Republic of Korea)



- 12:20-12:40 **Reversing atherosclerosis - 20 years of data for CRESTOR**
Kausik Kumar Ray (Imperial Centre for Cardiovascular Disease Prevention, UK)
- 12:40-12:50 **Panel Discussion**
Seokhun Yang (Seoul National University, Republic of Korea)
Kyong Hye Joung (Chungnam National University, Republic of Korea)

Special Lecture 2 (K)

Sep 13(Sat) 13:30-14:40 | Room 1,2,3 (3F)

CHAIRPERSON : Jae Hyoung Park (Korea University, Republic of Korea)

13:30-14:40 **Gardens of Korea (한국의 정원)****Hong June Yoo** (Director General, National Museum of Korea, Republic of Korea)*Organizer / Ye Seul Yang (Seoul National University, Republic of Korea)*

Professor Hong June Yoo, Endowed Director General, National Museum of Korea, Republic of Korea, is a leading scholar who has played a pivotal role in bringing Korean art history and garden culture to the public. In this special lecture, Professor Yoo will explore the aesthetic differences between Eastern and Western approaches to gardens, and introduce the uniquely nature-oriented philosophy embodied in traditional Korean gardens. This lecture offers a unique opportunity to reflect on how Korean gardens express a deep respect for nature and reveal a way of life that seeks harmony with the natural world.

2025 KSoLA Awards for
Scientific Excellence & Young Investigator

Sep 13(Sat) 14:50-15:25 | Room 1 (3F)

CHAIRPERSONS : Ki Hoon Han (University of Ulsan, Republic of Korea)
Sang-Hyun Kim (Seoul National University, Republic of Korea)14:50-14:55 **2025 KSoLA Award Ceremony for Scientific Excellence**14:55-15:00 **2025 KSoLA Award Ceremony for Young Investigator**15:00-15:25 **Triglyceride metabolism, hypertriglyceridemia, and its therapeutics**

Nam Hoon Kim (Korea University, Republic of Korea)

15:20-15:25 **Q&A**

KoSfOST-KSoLA Joint Symposium

Sep 13(Sat) 14:50-16:20 | Room 2 (3F)

Role of Medicinal Foods in Atherosclerosis and Cardiometabolic Disease

CHAIRPERSONS : Hyojee Joung (Seoul National University, Republic of Korea)
Min-Jeong Shin (Korea University, Republic of Korea)14:50-15:10 **Novel health functional products to prevent post-MI pathologic remodeling****Hun-Jun Park** (The Catholic University of Korea, Republic of Korea)15:10-15:30 **Ultrasonicated Lеспедеза cuneata extract prevents TNF- α -induced early atherosclerosis in vitro and in vivo****Sung Keun Jung** (Kyungpook National University, Republic of Korea)15:30-15:50 **Regulation of mitochondrial metabolic reprogramming during aging****Jiyun Ahn** (Korea Food Research Institute, Republic of Korea)15:50-16:20 **Panel Discussion****Hyunju Kang** (Keimyung University, Republic of Korea)**Bohkyung Kim** (Pusan National University, Republic of Korea)**Dahyun Park** (Korea University, Republic of Korea)**Hyunjung Lim** (Kyung Hee University, Republic of Korea)*Organizer / Hyunju Kang (Keimyung University, Republic of Korea)*

The KoSfOST-KSoLA Joint Symposium on the "Role of Medicinal Foods in Atherosclerosis and Cardiometabolic Disease" was co-organized by the Health Functional Foods Division of the Korean Society of Food Science and Technology (KoSfOST) and the Korean Society of Lipid and Atherosclerosis (KSoLA). Professor Hun-Jun Park (Catholic University of Korea, Republic of Korea) will discuss novel health functional products designed to prevent pathological remodeling after myocardial infarction. Professor Sung Keun Jung (Kyungpook National University, Republic of Korea) will highlight how ultrasonicated Lеспедеза cuneata extract can prevent early atherosclerosis, underscoring the critical role of processing techniques. Finally, Dr. Jiyun Ahn (Korea Food Research Institute, Republic of Korea) will examine strategies for regulating mitochondrial metabolic reprogramming during aging and provide systematic insights for anti-aging interventions. Following these distinguished presentations, the session will proceed with in-depth discussions regarding the role and practical development of medicinal foods in managing atherosclerosis and cardiometabolic disease.

Symposium 22

Sep 13(Sat) 14:50-16:20 | Room 3 (3F)

Atherosclerosis beyond Traditional Risks: Emerging Clinical Challenges
in Comorbid ConditionsCHAIRPERSONS : Sang Hong Baek (The Catholic University of Korea, Republic of Korea)
Masayuki Yoshida (Institute of Science Tokyo, Japan)

- 14:50-15:10 **Atherosclerosis and lipid management in cancer survivors: balancing cardiovascular and oncologic risks**
Nuri Lee (Chonnam National University, Republic of Korea)
- 15:10-15:30 **Metabolic dysfunction-associated steatotic liver disease as a cardiovascular risk equivalent**
Won Kim (Seoul National University, Republic of Korea)
- 15:30-15:50 **Atherosclerosis in chronic inflammatory diseases: focus on rheumatoid arthritis and systemic autoimmunity**
Ji-Won Kim (Daegu Catholic University, Republic of Korea)
- 15:50-16:20 **Panel Discussion**
Minjeong Kim (Ewha Womans University, Republic of Korea)
Sungjoon Park (Seoul National University, Republic of Korea)
Sung Kee Ryu (Ewha Womans University, Republic of Korea)

Organizer / Wonjin Kim (CHA University, Republic of Korea)

This session explores the emerging clinical challenges of atherosclerosis in patients with complex comorbidities such as cancer survivorship, metabolic dysfunction, and autoimmune diseases. Professor Nuri Lee from Chonnam National University, Republic of Korea, will address the balance between cardiovascular and oncologic risks in cancer survivors, highlighting tailored lipid management strategies. Professor Won Kim from Seoul National University, Republic of Korea, will discuss metabolic dysfunction-associated steatotic liver disease (MASLD/MAFLD) as a novel cardiovascular risk equivalent. Lastly, Professor Ji-Won Kim from Daegu Catholic University, Republic of Korea, will focus on atherosclerosis in rheumatoid arthritis and systemic autoimmune diseases, providing clinical perspectives on inflammation-driven vascular risk. This session will offer invaluable insights into how systemic comorbidities alter cardiovascular risk and management, making it essential for clinicians and researchers interested in complex patient populations.

Symposium 23

Sep 13(Sat) 14:50-16:20 | Room 4 (5F)

Publication Committee Session: JLA Award for Outstanding Article

CHAIRPERSONS : Hyuk-Sang Kwon (The Catholic University of Korea, Republic of Korea)
In-Kyung Jeong (Kyung Hee University, Republic of Korea)

- 14:50-15:05 **Discrepant Effect of High-Density Lipoprotein Cholesterol on the Hematologic Malignancy Risk: A Nationwide Cohort Study**
Su Youn Nam (Kyungpook National University, Republic of Korea)
- 15:05-15:20 **Cholesterol and Cardiovascular Risk in Type 2 Diabetes: The Role of Kidney Function**
Mee Kyoung Kim (The Catholic University of Korea, Republic of Korea)
- 15:20-15:35 **Association Between Lipoprotein (a) Levels and Coronary Artery Disease (CAD) Among Patients With or Without CAD Family History**
Hayato Tada (Kanazawa University, Japan)
- 15:35-15:50 **Investigation of the Influence of Lipoprotein(a) and Oxidized Lipoprotein(a) on Plasminogen Activation and Fibrinolysis**
Wen-Liang Song (Brown University Health, USA)
- 15:50-16:05 **Fatty Acids in Childhood Obesity: A Link Between Nutrition, Metabolic Alterations and Cardiovascular Risk**
Belen Davico (University of Buenos Aires, Argentina)

Organizer / Ji Hye Huh (Hallym University, Republic of Korea)

The Journal of Lipid and Atherosclerosis (JLA) Committee has selected five outstanding papers published over the past year for presentation in this session. The authors will share key findings from their research on lipid metabolism and cardiovascular risk. Professor Su Youn Nam explores the association between high-density lipoprotein cholesterol and hematologic malignancy risk, while Professor Mee Kyoung Kim discusses the role of kidney function in cholesterol-related cardiovascular risk in type 2 diabetes. Professors Hayato Tada and Wen-Liang Song present on the impact of lipoprotein(a) on coronary artery disease and fibrinolysis, respectively, and Professor Belen Davico addresses the role of fatty acids in childhood obesity and cardiovascular risk. This session offers timely insights into the evolving understanding of lipid-related mechanisms in cardiometabolic diseases.

Symposium 24

Sep 13(Sat) 16:20-17:50 | Room 1 (3F)

Dyslipidemia Management in Special Populations

CHAIRPERSONS : Yong-Jae Kim (Kim's Neurology Clinic, Republic of Korea)
Young Joon Hong (Chonnam National University, Republic of Korea)



- 16:20-16:40 **Managing dyslipidemia in women before and after menopause**
Mi-Na Kim (Korea University, Republic of Korea)
- 16:40-17:00 **Managing dyslipidemia in patients with liver disease**
Byung Sik Kim (Hanyang University, Republic of Korea)
- 17:00-17:20 **HIV, chronic inflammation, and dyslipidemia**
Seonghoon Choi (Hallym University, Republic of Korea)
- 17:20-17:50 **Panel Discussion**
Sung Kee Ryu (Ewha Womans University, Republic of Korea)
Bom Lee (CHA University, Republic of Korea)
Seung-Hwan Lee (The Catholic University of Korea, Republic of Korea)

Organizer / Hyun-Jin Kim (Hanyang University, Republic of Korea)

"Dyslipidemia Management in Special Populations" explores lipid-lowering strategies tailored to unique clinical contexts. Professor Mi-Na Kim (Korea University, Republic of Korea) will address dyslipidemia management in women before and after menopause, highlighting hormonal influences on cardiovascular risk. Professor Byung Sik Kim (Hanyang University, Republic of Korea) will discuss lipid management in patients with liver disease, focusing on the safe and effective use of statins in this vulnerable group. Finally, Professor Seonghoon Choi (Hallym University, Republic of Korea) will present on dyslipidemia in the setting of HIV infection and chronic inflammation, emphasizing pathophysiological mechanisms and therapeutic challenges. This session will provide practical insights into individualized dyslipidemia care for patients with complex comorbidities and diverse physiological backgrounds.

EAS-KSoLA Joint Symposium

Sep 13(Sat) 16:20-17:50 | Room 2 (3F)

The Impact of Remnant Cholesterol on Various Disease Pathologies and Clinical Outcomes

CHAIRPERSONS : Sang-Hyun Kim (Seoul National University, Republic of Korea)
Woo Je Lee (University of Ulsan, Republic of Korea)



- 16:20-16:40 **Remnant cholesterol as a key contributor to atherosclerotic cardiovascular disease (ASCVD): mechanisms and clinical implications**
Alberto Zambon (University of Padua, Italy)
- 16:40-16:55 **The role of remnant cholesterol in chronic kidney disease (CKD)**
Soo Yeon Jang (Korea University, Republic of Korea)
- 16:55-17:10 **Association between remnant cholesterol and dementia: potential mechanisms and clinical perspectives**
Han Na Jung (Hallym University, Republic of Korea)
- 17:10-17:30 **Remnant cholesterol in women's cardiometabolic health**
Meral Kayikcioglu (Ege University, Türkiye)
- 17:30-17:50 **Panel Discussion**
Mi-Hyang Jung (The Catholic University of Korea, Republic of Korea)
Eun Jeong Cho (Chung-Ang University, Republic of Korea)
Ji Hye Huh (Hallym University, Republic of Korea)

Organizer / Kyuho Kim (The Catholic University of Korea, Republic of Korea)

The importance of remnant cholesterol has been increasingly highlighted in atherosclerotic cardiovascular diseases and various other diseases. First, Prof. Alberto Zambon from the University of Padua, Italy, will present on the mechanisms by which remnant cholesterol contributes to atherosclerotic cardiovascular disease and its clinical significance. Next, Prof. Soo Yeon Jang from Korea University, Republic of Korea, will present the role of remnant cholesterol in chronic kidney disease, and Prof. Han Na Jung from Hallym University, Republic of Korea, will present on its role in dementia. Lastly, Prof. Meral Kayikcioglu from Ege University, Türkiye, will present the role of remnant cholesterol in women's cardiometabolic health. We hope this session will reaffirm the importance of remnant cholesterol and serve as an opportunity to broaden our knowledge.

Symposium 25

Sep 13(Sat) 16:20-17:50 | Room 3 (3F)

Lipid-immune Interactions Shaping Vascular Repair and Disease

CHAIRPERSONS : Chi Dae Kim (Pusan National University, Republic of Korea)
Young Mi Park (Ewha Womans University, Republic of Korea)



- 16:20-16:40 **IKKε-deficient macrophages impede cardiac repair after myocardial infarction by enhancing the macrophage-myofibroblast transition**
Youngkeun Ahn (Chonnam National University, Republic of Korea)
- 16:40-17:00 **Sensing ceramides by CYSLTR2 and P2RY6 to aggravate atherosclerosis**
Wei Kong (Peking University, China)
- 17:00-17:20 **Targeting the USP35-FASN axis and choline metabolism in cancer: a lipidomics perspective**
Hyunbeom Lee (Korea Institute of Science and Technology (KIST), Republic of Korea)
- 17:20-17:50 **Panel Discussion**
Jun Namkung (Yonsei University, Republic of Korea)
Taesik Park (Gachon University, Republic of Korea)
Jae-Han Jeon (Kyungpook National University, Republic of Korea)
Su Myung Jung (Sungkyunkwan University, Republic of Korea)

Organizer / Jun Namkung (Yonsei University, Republic of Korea)

Lipid-immune crosstalk plays a critical role in shaping vascular repair mechanisms and the progression of atherosclerotic disease. This session highlights how specific lipid signals influence immune cell behavior and vascular pathology. Professor Youngkeun Ahn from Chonnam National University, Republic of Korea, will present how IKKε-deficient macrophages impair cardiac repair post-myocardial infarction by promoting the macrophage-to-myofibroblast transition. Professor Wei Kong from Peking University, China, will discuss how ceramide sensing via CYSLTR2 and P2RY6 contributes to the aggravation of atherosclerosis, revealing novel lipid-sensing inflammatory circuits. Dr. Hyunbeom Lee from KIST, Republic of Korea, will provide a systems-level perspective on how lipidomics can be utilized to better understand human disease. This session will offer deep insights into lipid-mediated immune regulation and its implications for vascular health and therapeutic strategies.

MSA-KSoLA Joint Symposium

Sep 13(Sat) 16:20-17:50 | Room 4 (5F)

Recent Evidence in Non-invasive Cardiovascular Risk Assessment Techniques

CHAIRPERSONS : Donghoon Choi (Yonsei University, Republic of Korea)
Sang-Hyun Lhm (The Catholic University of Korea, Republic of Korea)



- 16:20-16:40 **Recent updates on coronary artery calcium scoring**
Nor Ashikin Md Sari (Universiti Malaya, Malaysia)
- 16:40-17:00 **The role of carotid ultrasonography for the primary prevention of cardiovascular disease**
Jun Hwa Hong (Eulji University, Republic of Korea)
- 17:00-17:20 **The usefulness of brachial-ankle PWV in the risk prediction for Asians**
Hack-Lyoung Kim (Seoul National University, Republic of Korea)
- 17:20-17:50 **Panel Discussion**
Jong Shin Woo (Kyung Hee University, Republic of Korea)
Hyun Sung Joh (Seoul National University, Republic of Korea)
Hyo-In Choi (Sungkyunkwan University, Republic of Korea)

Organizer / Young-Sang Lyu (Chosun University, Republic of Korea)

This symposium, titled "Recent Evidence in Non-Invasive Cardiovascular Risk Assessment Techniques," will explore state-of-the-art methods for cardiovascular risk stratification without the need for invasive procedures. Professor Nor Ashikin Md Sari (Universiti Malaya, Malaysia) will present the latest updates on coronary artery calcium (CAC) scoring and its clinical relevance. Professor Jun Hwa Hong (Eulji University, Republic of Korea) will delve into the role of carotid ultrasonography in the primary prevention of cardiovascular disease, highlighting its utility in early detection. Lastly, Professor Hack-Lyoung Kim (Seoul National University, Republic of Korea) will discuss the clinical usefulness of brachial-ankle pulse wave velocity (baPWV) for cardiovascular risk prediction in Asian populations.

ORAL PRESENTATIONS

Oral Presentation 1

Sep 11(Thu) 14:40-16:10 | Room 1 (3F)

CHAIRPERSONS : Hyun Kook (Chonnam National University, Republic of Korea)
Kyung Woo Park (Seoul National University, Republic of Korea)



- OP1-1 **ApoA1 and HDL selectively protect the heart during doxorubicin chemotherapy via hepatic SR-B1**
Jeong-Ah Yoo (McMaster University, Hamilton, Canada)
- OP1-2 **Lipid profiling of plasma extracellular vesicles from adiponectin deficient mice reveals pro-oxidative and pro-inflammatory lipid signatures driving metabolic dysfunction**
Sungji Cho (York University, Canada)
- OP1-4 **Atherosclerosis associated with HIV - is it a result of treatment or inflammation**
Nuriyat Efendieva (Pirogov Russian National Research Medical University, Russian Federation)
- OP1-5 **Anti-atherosclerotic effect of thymol extract via regulating inflammation and oxidative stress and EGFR/PI3K/Akt/GSK-3 β pathway in rats**
Manvendra Singh (Computer Sciences, HMFA-MIET, India)
- OP1-6 **PCSK9 deficiency promotes ANP-mediated protection against post-infarction cardiac inflammation**
NaHyeon Yoon (Ewha Womans University, Republic of Korea)
- OP1-7 **Targeting LGI3 attenuates atherosclerosis by modulating inflammatory responses and plaque development**
Jing Jin (Ewha Womans University, Republic of Korea)
- OP1-8 **Proteomic profiling of inflammatory and non-lipid determinants of plaque instability in myocardial infarction**
Monirujaman Biswas (Jawaharlal Nehru University, India)
- OP1-9 **The role of NLRP3 inflammasome activation in atherosclerosis: a systematic review and meta-analysis**
Alaa Ramadan (Faculty of Medicine, South Valley University, Egypt)

Oral Presentation 2

Sep 12(Fri) 13:00-14:30 | Room 1 (3F)

CHAIRPERSONS : Ju Han Kim (Chonnam National University, Republic of Korea)
Ung Kim (Yeungnam University, Republic of Korea)



- OP2-1 **Protective effect of biofabricated curcumin silver nanoparticles against atherosclerosis in rodent model via modulating EGFR/PI3K/Akt/GSK-3 β signaling pathway**
Yadav E (SHUATS, India)
- OP2-2 **Extracellular vesicles produced by IL4-polarized macrophages drive atherosclerosis stabilization by reprogramming Ly-6Chi monocytes & enhancing efferocytosis**
Martin Ng (UCSF, NCIRE, United States)
- OP2-3 **Alteration of lipid gene modulation and gut microbiota by gallic acid loaded liposomes in atherosclerosis in apolipoprotein-E deficient mice**
Deepika Singh (Maa Gange Research Foundation, Kashi, India)
- OP2-4 **Candidates of STAT3-mediated miRNAs in LPS-induced mouse endothelium**
Lan Phuong Phan (Chungnam Natuinal University, Republic of Korea)
- OP2-5 **KAI1 on perivascular cells: a key switch regulator of angiogenesis**
Taehun Yoon (Seoul National University, Republic of Korea)
- OP2-6 **Distribution of LDL-cholesterol and its association with cardiovascular outcomes in young adults under 40 years: a nationwide cohort study**
You-Bin Lee (Samsung Medical Center, Sungkyunkwan University School of Medicine, Republic of Korea)
- OP2-7 **Lipoprotein(a) variability and risk of major adverse cardiovascular event: insights from a real-world multicenter cohort**
Mi-Na Kim (Korea University Anam Hospital, Republic of Korea)
- OP2-8 **Discontinuation and non-publication of atherosclerosis clinical studies: a cross-sectional analysis**
Yousef Radwan Alnomani (Faculty of Medicine, Benha University, Egypt)
- OP2-9 **Association between dietary antioxidant intake and cardiovascular diseases risk factors in Singapore individuals with eczema**
Liang Yuxin (National University of Singapore, Singapore)



Oral Presentation 3

Sep 13(Sat) 08:50-10:20 | Room 1 (3F)



CHAIRPERSONS : Dae Jung Kim (Ajou University, Republic of Korea)
Soo Lim (Seoul National University, Republic of Korea)

- OP3-1 **Statin use and site-specific cancer risk: a nationwide cohort study using Korean health insurance data**
Yun Kyung Cho (Asan Medical Center, University of Ulsan, Republic of Korea)
- OP3-2 **Association between circulating trimethylamine N-oxide levels and carotid perivascular fat density in acute ischemic stroke patients**
Eung-Joon Lee (Seoul National University Hospital, Republic of Korea)
- OP3-3 **The relationship of inflammatory markers with the development of coronary artery calcification: a multicenter, longitudinal cohort study**
Kyung An Kim (Incheon St. Mary's Hospital, Republic of Korea)
- OP3-4 **Saffron as a natural statin alternative: in silico modulation of MMP-9 and TIMP-1 for plaque stability**
Iman Nabilah Abd Rahim (Universiti Teknologi MARA, Malaysia)
- OP3-5 **Comparative outcomes of moderate-intensity statin with ezetimibe vs high-intensity statin therapy: a retrospective observational cohort study**
Junpil Yun (Seoul National University Hospital, Republic of Korea)
- OP3-6 **Effectiveness and safety of very low-dose rosuvastatin-ezetimibe therapy in dyslipidemia: a multicenter prospective observational study**
SungA Bae (Yongin Severance Hospital, Yonsei University College of Medicine, Republic of Korea)
- OP3-7 **Clinical outcomes of high intensity lipid lowering agents for patients after complex PCI**
Youngkwan Kim (Seoul National University Hospital, Republic of Korea)
- OP3-8 **Effect of omega-3 fatty acid supplementation on liver function and lipid profile in tobacco Users: a randomized placebo-controlled trial**
Anjali Singh (King Georges Medical University, India)
- OP3-9 **Metabolomic patterns of dietary protein intake and their link to cardiometabolic risk: a systematic review and meta-analysis**
Nicole Min Yee Wong (National University of Singapore, Singapore)



MODERATED POSTER PRESENTATIONS

Moderated Poster Presentation 1

Sep 12(Fri) 14:40-15:40 | Studio 5 (6F)



CHAIRPERSON : Jeong-Min Kim (Seoul National University, Republic of Korea)

- MPP-01 **Hepatic lipase silencing promotes cholesterol excretion with activation of hepatobiliary sterol transport**
Hyeon Ji Lee (Yonsei University, Republic of Korea)
- MPP-02 **Cholesterol regulating factor X(CRFX) deficiency exacerbates hypercholesterolemia-induced liver injury by disrupting bile acid synthesis and promoting hepatic cholesterol accumulation**
Haeun Jang (Korea Research Institute of Bioscience and Biotechnology, Republic of Korea)
- MPP-03 **The role of cereblon in mitochondrial function and metabolic reprogramming in the aging heart**
Trong Kha Pham (Cardiovascular and Metabolic Disease Center, Inje University, Republic of Korea)
- MPP-04 **Quail egg yolks has an effects on body weight, lipid profiles and liver tissue injury of rats (rattus norvegicus)**
Rafik Prabowo (Community Health Center of Rambah, Rokan Hulu, Indonesia)
- MPP-05 **Lipoprotein(a) and long-term cardiovascular events in patients with coronary vasospasm**
Melly Susanti (Korea University Guro Hospital, Republic of Korea)
- MPP-06 **Exploring novel lncRNA regulators of macrophage mediated inflammation in atherosclerosis**
Dharmendra Kumar Khatri (Texas Tech University, United States)
- MPP-07 **Effects of omega-3 fatty acid supplementation on chylomicron remnant concentrations and vascular inflammatory biomarkers: a systematic review**
Afifah Az Zahra (Islamic University of Indonesia, Indonesia)
- MPP-08 **Cardioprotective effects of β -Lapachone through alleviation of lipotoxicity and fibrosis in type 2 diabetic mice**
Nguyen Thi To Hoai (Cardiovascular and Metabolic Disease Center, Smart Marine Therapeutic Center, College of Medicine, Inje University, Republic of Korea)



Moderated Poster Presentation 2

Sep 13(Sat) 13:30-14:30 | Studio 5 (6F)



CHAIRPERSON : Jong-Chan Youn (The Catholic University of Korea, Republic of Korea)

- MPP-09 **Association between COVID-19 and cardiovascular disease through small extracellular vesicles**
Hyae Yon Kweon (Ewha Womans University, Republic of Korea)
- MPP-10 **Trained immunity (intolerant responses) in patients with atherosclerosis and other non-infectious diseases**
Nikolai A. Orekhov (Institute for Atherosclerosis Research, Russian Federation)
- MPP-11 **LDLR-independent role of PCSK9 in post-myocardial infarction inflammatory response**
Yun Seo Noh (Ewha Womans University, Republic of Korea)
- MPP-12 **A potential rejuvenation factor C improves metabolic dysfunctions and mitigates atherosclerosis in Ldlr KO mice**
Hye Rang Park (Korea Research Institute of Bioscience and Biotechnology, Republic of Korea)
- MPP-13 **Potential rejuvenation factor C overexpression as a novel anti-senescence therapeutic target for atherosclerosis prevention**
Yongmin Lee (Korea Research Institute of Bioscience and Biotechnology, Republic of Korea)
- MPP-14 **Transcriptomic and network-based analysis reveals inflammatory and matrix-degrading pathways in atherosclerotic plaque instability**
Nadyatul Husna (Dr. Reksodiwiryo Military Hospital Padang, Indonesia)
- MPP-15 **Short variant of mitochondrial calcium uniporter forms plasma-membrane channels in human platelets**
Bong Sook Jhun (University of South Florida Morsani College of Medicine, United States)
- MPP-16 **CBL-b E3 ligase-mediated neddylation and activation of PARP-1 induce vascular calcification**
Duk-Hwa Kwon (Chonnam National University Medical School, Republic of Korea)

Moderated Poster Presentation 3

Sep 12(Fri) 14:40-15:40 | Studio 6 (6F)



CHAIRPERSON : Jaehoon Chung (Dongguk University, Republic of Korea)

- MPP-17 **Adherence to statins: a cornerstone for preventing atherosclerotic cardiovascular disease and mortality**
Sambit Kumar Pradhan (National Institute of Technology, Rourkela, India)
- MPP-18 **PCSK7 drives post-infarction inflammation via TNF- α /JNK activation in cardiac macrophages**
Shin Hye Moon (Ewha Womans University, Republic of Korea)
- MPP-19 **Corticosterone mitigates stroke-induced injury via upregulation of antioxidant Prdx1**
Huiju Jo (Ewha Womans University, Republic of Korea)
- MPP-20 **Pharmacological assessment of low-dose oral docetaxel for atheroprotection**
Senna Choi (The Research Institute of the McGill University Health Centre, Canada)
- MPP-21 **The Interplay between oxidative stress and cholesterol in non-alcoholic steatohepatitis (NASH): a key to understanding disease pathogenesis**
Hina Parveen (King George's Medical University, Lucknow, India)
- MPP-22 **Moringa oleifera root extracts reduces the apoptotic activity in pancreatic Langerhans cells of wistar rats induced metabolic syndrome**
Shafira Yasmine Anshari (Universitas Sebelas Maret, Indonesia)



Moderated Poster Presentation 4

Sep 13(Sat) 13:30-14:30 | Studio 6 (6F)



CHAIRPERSON : Jun Hwa Hong (Eulji University, Republic of Korea)

- MPP-26 Different effect of ACE-I vs ARB on TNF- α , IL-1 β , and IL-6 level in type-4 cardio-renal syndrome secondary to diabetic kidney disease
Marcelino Adiska Megantara (Cipto Mangunkusumo Hospital, Indonesia)
- MPP-27 Factors associated with vertebral metabolic activity and its implications for cardiovascular disease
 Jiyeona Ha (Seoul National University Hospital, Republic of Korea)
- MPP-28 Cardiovascular health by life's essential 8 and chronic kidney disease: Korea national health and nutrition examination survey 2019-2021
Eunji Kim (Gachon University College of Medicine, Republic of Korea)
- MPP-29 Repeated non-invasive limb ischemic preconditioning protects against myocardial ischemia-reperfusion injury in type 1 diabetic rats via KLK12 signaling activation
Yuxin Jiang (The Hong Kong Polytechnic University, China)
- MPP-30 Novel mechanism of KAI1 in angiogenesis inhibition: expression in PVCs and VEGF
Taehun Yoon (Seoul National University, Republic of Korea)
- MPP-31 Hidden cardiovascular risks in cancer survivors: atherosclerosis-related mortality trends with implications for lipid-centric surveillance (population based study)
Ahmed Almezaine (Tanta University Hospitals, Egypt)
- MPP-32 Machine-learning-assessed abdominal aortic calcification and the brain: associations with brain imaging markers and incident dementia in the UK Biobank
Carlos J. Toro-Huamanchumo (Nutrition & Health Innovation Research Institute, School of Medical and Health Sciences, Edith Cowan University, Australia)

Moderated Poster Presentation 5

Sep 12(Fri) 14:40-15:40 | Studio 7 (6F)



CHAIRPERSON : Hyun-Jin Kim (Hanyang University, Republic of Korea)

- MPP-33 Global trends of cardiovascular burden and its metabolic risk factors in adolescent and young adult in Southeast Asia: insights from the global burden of disease study
Haidar Ali Hamzah (Indonesia Air Force Center Hospital (RSPAU) dr. S. Hardjolukito, Yogyakarta, Indonesia)
- MPP-34 Disease burden of cardiovascular disease and metabolic risk factors among elderly in Asian population: a systematic analysis from the global burden of disease study 2021
Putri Mahirah Afladhanti (Universitas Sriwijaya, Indonesia)
- MPP-35 Burden of systemic inflammation and associated health outcomes in adults with atherosclerotic cardiovascular disease managed in routine care
KS Won (Novo Nordisk Pharma Korea Ltd, Republic of Korea)
- MPP-36 Insulin resistance assessed by the triglyceride-glucose index and left-ventricular function in non-diabetic ST-elevation myocardial infarction patients: an echocardiographic study from the UK Biobank
Javad Alizargar (Kashan University, Iran)
- MPP-37 Comparative outcomes of drug-coated balloon versus uncoated balloon angioplasty in the treatment of femoropopliteal artery disease
Ulil Albab Habibah (Islamic University Indonesia, Indonesia)
- MPP-38 Predictors of significant high-sensitivity C-reactive protein re-duction after use of rosuvastatin/amlodipine and atorvastatin/amlodipine
Haewon Jung (Daegu Catholic Medical Center, Republic of Korea)
- MPP-39 Vasoprotective effect of moringa oleifera root ethanolic extract on thrombospondin-1 expression in aortic tissue of metabolic syndrome-induced Wistar rats
Salman Alfarisy (Sebelas Maret University, Indonesia)



Moderated Poster Presentation 6

Sep 13(Sat) 13:30-14:30 | Studio 7 (6F)



CHAIRPERSON : Jong Shin Woo (Kyung Hee University, Republic of Korea)

- MPP-40 **Effects of cilostazol on prognosis of peripheral arterial disease in patients with diabetes mellitus in Korea: a nationwide population-based study**
Shinje Moon (College of Medicine, Hanyang University, Republic of Korea)
- MPP-41 **Associations between multiple levels of advanced glycation end products and cardiovascular disease risk factors in Singapore older adults**
Marcus Ting (National University of Singapore, Singapore)
- MPP-42 **Effects of portulaca oleracea L. extract on inflammation and mitochondrial biogenesis in rats fed a high-fat diet**
Jumi Lee (Ewha Womans University, Republic of Korea)
- MPP-43 **Impact of gut microbiota-based therapies on cardio-metabolic risk factors induced by atypical antipsychotics: a network meta-analysis**
Youssef Soliman (Assiut University, Egypt)
- MPP-44 **Ellagic acid alleviates MASLD by reducing hepatic lipogenesis and fibrosis in cholesterol-fed apoE-deficient mice**
Yulim Choi (Hallym University, Republic of Korea)
- MPP-45 **Adiponectin, dyslipidemia, nutritional indices and atherogenic indices in relation to muscle quality in sarcopenic and non-sarcopenia elderly diabetic patients**
Aruna Raju (All India Institute of Medical Science, Kalyani, West Bengal, India)
- MPP-46 **Effects of RAS and SGLT2 inhibitors alone or in combination on end-stage kidney disease and/or all-cause death in patients with both diabetes and hypertension: a nationwide cohort study**
Renin-angiotensin-aldosterone system (RAS) inhibitors and sodium-glucose cotransporter 2 (SGLT2) inhibitors are key
Sangmo Hong (Department of Internal Medicine, Guri Hospital, Hanyang University, College of Medicine, Republic of Korea)

GENERAL POSTER DISPLAY

Scan the QR
E-Posters



- PE-01 **Integrative fine-mapping and functional annotation identify novel genetic determinants of LDL cholesterol regulation in Koreans**
Yongho Jee (Ewha Womans University Seoul Hospital, Republic of Korea)
- PE-02 **Torin-1 administration enhances cognitive function by regulating autophagy and cholesterol metabolism in hepatic encephalopathy**
So Yeong Cheon (Konkuk University, Republic of Korea)
- PE-04 **Precision hepatometabolic therapy: integrating PPAR α agonists and omega-3 fatty acids in the treatment of diabetic lipotoxic liver disease**
Roland Helmizar (Baiturrahmah University, Indonesia)
- PE-05 **Chronic intermittent hypoxia induces aortic inflammation via NLRP3 inflammasome activation in normal C57BL/6 mice**
Parag Rane (JD Pawar College of Pharmaceutical Sciences, India)
- PE-06 **Perivascular adipose tissue browning in early atherosclerosis**
Jiyeon Park (Pohang University of Science and Technology (POSTECH), Republic of Korea)
- PE-07 **Dietary flaxseed oil restores lipid homeostasis and reduces atherogenic index in fructose-induced metabolic syndrome in Wistar rats**
Shatrughna U. Nagrik (Satya University, India)
- PE-08 **Mucosal invariant T-Cells link CCBE1 expression to clinically actionable CAD**
Weiqian Lee (University of Sydney, Australia)
- PE-09 **Elucidating the renoprotective effects of Boerhaavia diffusa in a high-fat diet-induced chronic kidney disease mouse model**
Lee On Ying (The Hong Kong Polytechnic University, China)
- PE-10 **Boerhaavia diffusa ameliorates renal lipid deposition and attenuates kidney injury in high-fat diet-induced chronic kidney disease mouse models**
Ching In Chung (Department of Health Technology and Informatics, The Hong Kong Polytechnic University, Hong Kong, China)
- PE-11 **Lactoferrin alleviates renal oxidative stress and lipid accumulation in high-fat diet-induced diabetic nephropathy**
Martin Ho Yin Yeung (English Schools Foundation, Hong Kong SAR, China)
- PE-12 **Smad7 deletion in smooth muscle cells promotes the contractile phenotype and results in more stable atherosclerotic plaques**
Alonso-Herranz L (Aarhus University, Denmark)



- PE-13 **Adenylyl cyclase-associated protein 1 and caveolin complex regulates adhesion molecules on endothelial cells**
You Ji Kim (Seoul National University, Republic of Korea)
- PE-14 **ANGPTL4 suppresses endothelial inflammation and EndMT to preserve vascular integrity in atherosclerosis**
Dong Im Cho (Chonnam National University Hospital, Republic of Korea)
- PE-15 **Eicosapentaenoic acid suppresses vascular smooth muscle cell calcification through regulation of miR-30c1-3p**
Da Yeon Kyeon (Yonsei University, Republic of Korea)
- PE-16 **Effects of semaglutide on glucose metabolism in the streptozotocin-high fat diet-induced diabetic mouse model**
Kyuho Kim (The Catholic University of Korea, Republic of Korea)
- PE-17 **Multitarget modulation of LOX-1, 15-LOX-1, and NLRP3 by thiazole-coumarin-azomethine derivatives: a pharmacoinformatic strategy to disrupt lipid peroxidation-driven inflammation in atherosclerosis**
Rizki Rachmad Saputra (Universitas Palangka Raya, Indonesia)
- PE-18 **Mathematical modeling of palmitic acid-induced super-enhancer and noncoding RNA crosstalk regulating atherogenic inflammation in human monocytes**
Prihantini Prihantini (IMCDS-BioMed Research Foundation, Indonesia)
- PE-19 **MicroRNA-17, -21, and -92a as novel predictive biomarkers for cardiovascular disease risk: A STAT3-mediated pathway analysis**
Nurul Izzati Abdullah (Universiti Putra Malaysia, Malaysia)
- PE-20 **Non-coding RNAs differently expressed in cell lines with normal and defective mitophagy**
Elizaveta Pleshko (Institute for Atherosclerosis Research, Russian Federation)
- PE-21 **HDAC inhibitor YAK577 mitigates vascular calcification through regulation of MMP14**
Hae Jin Kee (Chonnam National University Hospital, Republic of Korea)
- PE-22 **Prdx1-dependent stroke-associated microglia attenuate ischemic damage in a photothrombotic stroke model**
Hyemin Park (Ewha Womans University, Republic of Korea)
- PE-23 **Comparing cost-effectiveness of obesity interventions: insights into surgery, medications, and diets**
Rosinta Purba (Atmajaya University, Indonesia)

- PE-24 **Healthy fat expansion is induced by extracorporeal shockwave treatment (ESW-treatment) under high-fat diet (HFD) in mouse**
Wonkyoung Cho (Ewha Womans University, Republic of Korea)
- PE-26 **Trends and factors associated with LDL-C treatment target attainment rates among patients with secondary prevention setting of atherosclerotic cardiovascular disease: assessments from Japanese health checkup data**
Atsushi Furukawa (Kanazawa University Graduate School of Medicine, Japan)
- PE-27 **Effect of statin and ezetimibe combination therapy on small dense LDL in patients undergoing coronary angiography**
Soo-Jin Kim (Kosin University Gospel Hospital, Kosin University College of Medicine, Republic of Korea)
- PE-28 **Bibliometric mapping of single nucleotide polymorphisms and lipoprotein(a) towards cardiovascular disease: evolution, contribution, and knowledge gaps**
Khairul Nisa' Ishak (Department of Biochemistry and Molecular Medicine, Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Malaysia)
- PE-29 **HLA DR genome editing with TALENs in human iPSCs produced immune-tolerant dendritic cells**
Hunji Choi (Seoul National University, Republic of Korea)
- PE-30 **FFAR-Based polygenic risk score and its interaction with macronutrient intake in relation to MAFLD risk in Korean adults**
Yoonji Ryu (Ewha Womans university, Republic of Korea)
- PE-32 **Mapping the scientific landscape of sitosterolemia: a bibliometric and visualization study**
Aldona Akhira Susanto (Sebelas Maret University, Indonesia)
- PE-33 **Eight-year trends in random urine sodium-to-potassium ratio among Korean adults: findings from KNHANES 2016-2023**
Rihwa Choi (GC Labs, Republic of Korea)
- PE-34 **Cardioprotective effects of β -Lapachone on Isoproterenol-Induced heart failure mice**
Mario Albino Sozinho Indarua (Inje University, Republic of Korea)
- PE-35 **ASR-ZnO nanoparticles mitigate oxidative and inflammatory stress in human umbilical vein endothelial cells**
Omilla Ragavan (Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, Malaysia)



- PE-36 A novel mannose receptor agonist enhances self-renewal and therapeutic potential of mesenchymal stem cells
Gun Choi (Seoul National University Hospital, Republic of Korea)
- PE-37 Elevated lipoprotein(a) levels are associated with increased arterial stiffness in hypertension
Hack-Lyung Kim (Seoul National University Boramae Medical Center, Republic of Korea)
- PE-38 The impact of high protein diet with different source on cardiovascular disease risk factors in good and poor sleepers: a randomized controlled trial
Lingyin Yu (National University of Singapore, Singapore)
- PE-39 Prognostic significance of endothelial dysfunction in coronary heart disease patients
Valentyna Romanova (National Pirogov Memorial Medical University, Ukraine)
- PE-41 Patient-specific hemodynamic evaluation of coronary stenting for atherosclerosis
Ayeon Hwang (Inje University, Republic of Korea)
- PE-42 Predicting future cardiovascular events by lipid core burden index (LCBI)
Farrukh Malik (National Institute of Cardiovascular Diseases Pakistan, Pakistan)
- PE-43 Ginsenoside compound K, a panax ginseng metabolite, attenuates macrophage phagocytosis by inhibiting histone deacetylase 6
Chae Young Moon (Keimyung University, Republic of Korea)
- PE-44 Association between dietary niacin intake and dyslipidemia in Korean adults: a cross-sectional analysis based on KNHANES 2016-2018
Eunmi Joo (Seoul Women's University, Republic of Korea)
- PE-45 Association between laver consumption and dyslipidemia in Korean adults: a community-based prospective cohort study
Yuna Jeong (Ewha Womans University, Republic of Korea)
- PE-46 Biglycan enhances muscle regeneration and function in dystrophic muscle: evidence from mdx mice and human population data
Sehyun Yoon (Korea University, Republic of Korea)
- PE-47 Development of polyvinyl alcohol nanofiber-covered stents for coronary perforation
Mi Hyang Na (Chonnam National University, Republic of Korea)
- PE-48 Safety and efficacy evaluation of bioresorbable vascular scaffolds according to changes in a porcine coronary artery vessel size
Dae Sung Park (Chonnam National University Medical School, Republic of Korea)

EVENT INFORMATION

01. Gifts for Attendees

Felt bag & Portable fan will be given to ICoLA 2025 attendees!



02. Lucky Draw Event

Breakfast Session Raffle Prizes: Tablets and Smartwatches!
Please note that the prize composition may vary slightly by session.
Make sure to choose your preferred session wisely!

Breakfast Symposium 1-4 (Day 2)

* Date and Time: Friday, 12 September, 07:30-08:30 * Location: Room 1-3 (3F) & Room 4 (5F)

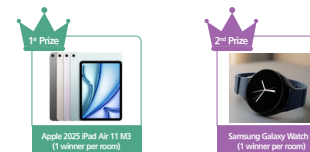


Breakfast Symposium 5-8 (Day 3)

On Day 3 (Saturday, September 13), the top prize for the breakfast symposium may vary depending on which session room you attend.
Please take note of this in advance.

- Room 1-2: Apple 2025 iPad Air 11 M3
- Room 3-4: Samsung Galaxy Tab S10 FE+ 128GB

Breakfast Symposium 5-6



Breakfast Symposium 7-8



Closing Ceremony (Day 3)

* Date and Time: Saturday, 13 September, 17:50- * Location: Room 1, 2, 3 (3F)



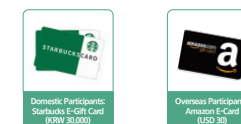
03. Photogenic Event

Take a group photo with your colleagues!
After the congress, special gifts will be awarded to the top 3 laboratories of groups with the most people in their photos.



04. Stamp Tour Event

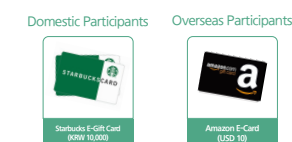
Visit exhibition booths and collect stamps from 80% of the total booths. (Diamond, Platinum, Gold, and JLA booth stamps are mandatory to collect.)
Please submit your completed stamp tour sheet to the Secretariat office (5F) and receive the reward!



05. Satisfaction Survey Event

Among the attendees of ICoLA 2025 who participate in the survey, those selected through a drawing will receive the reward.

* On the afternoon of Day 3, the satisfaction survey link will be available via a QR code displayed in the lecture rooms.



06. Congress Review Event

Please share your experience at ICoLA 2025 with your memorable pictures in an MS Word file and submit it to the ICoLA 2025 secretariat at icola2025@planbear.co.kr. Rewards will be distributed to the best review notes.



07. Social Media Like & Share Event

Domestic Participants Only

SNS 공유 이벤트

ICoLA 2025 SNS 게시물을 팔로우하시고, SNS 게시물에 '좋아요'를 클릭 & 공유해주세요!
가장 왼쪽 QR코드 SNS 공유 이벤트 참가하기를 통해 참여 인증을 남기시면 이벤트 참여자 중 좋아요 및 공유 횟수가 가장 많은 분을 추첨하여 스타벅스 커피 쿠폰을 드립니다!



연사의 발표를 번역하여 들어보세요!

Experience the speech in your native language!

Live Translation은 별도의 앱 설치 없이
주최자가 공유하는 링크 및 QR코드를 통해 접속이 가능합니다.

Live translation is available via a shared link or QR code provided by
the organizer, without the need to install a separate app.

네트워크 장애나 접속에 이상이 있으실 경우, 새로고침(🔄) 하시기를 부탁드립니다.

If there is a network error or trouble accessing the service, please press the
refresh (🔄) button.

ICoLA 2025 실시간 통역 바로가기

ICoLA 2025 Join the Live Translation

통역 서비스 입장 QR
Live Translation Page QR



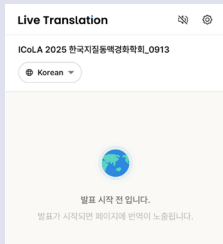
통역 서비스 제공 강의장: Room 2
Available Live Translation Service Room: Room 2

*본 서비스는 9월 13일 토요일만 제공됩니다.

*This service will be available only on Saturday, September 13, in Room 2.

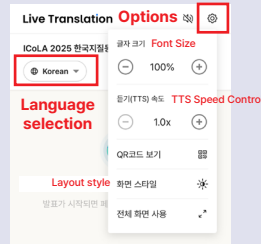
1

입장 시, 대기화면
Loading screen upon
website entry



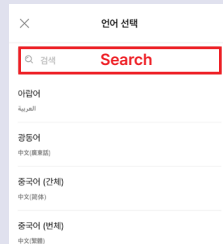
2

버튼별 작동 기능
Button-specific functions



3

번역 언어 선택 화면
Select the language for
translation



CME CREDITS (FOR KOREAN PARTICIPANTS)

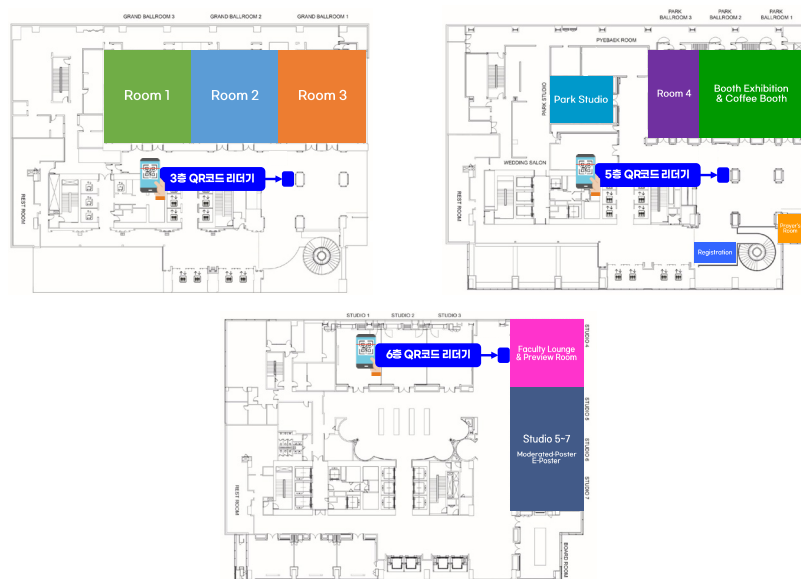
구분		9/11(목)	9/12(금)	9/13(토)
의사	대한의사협회 연수교육 평점	최대 3평점	최대 6평점	최대 6평점
영양사	임상영양사 전문연수교육 (CPD)	5평점 * 3일 모두 수강하셔도 최대 5평점 승인됩니다.		

- 등록 시 의사 면허번호를 정확하게 입력해주시기 바랍니다. 면허번호 오류 시 의사협회 평점이수자에서 누락될 수 있습니다.
- 학술대회 종료 후, 학회 사무국에서 의사 명단을 의사협회 연수교육 시스템에 등록하게 되면 자동으로 평점이 부여되고 있으며 개인에게 평점카드를 발급하지 않습니다. (소요기간 : 약 4주)
- 대한의사협회 2016년도 연수교육 관리 변경사항 공지에 따라 학술대회 참석 증명을 위한 출결 확인 작업이 있을 예정입니다.
- 대회 참석 시 명찰 내 QR코드를 2회 이상 QR코드 리더기에 태그하셔야 출결 확인이 되니 유의 바랍니다. (입실 시 1회, 퇴실 시 1회)

부분 평점 인정 기준

1시간 미만	0평점
1시간 이상 2시간 미만	1평점
2시간 이상 3시간 미만	2평점
3시간 이상 4시간 미만	3평점
4시간 이상 5시간 미만	4평점
5시간 이상 6시간 미만	5평점
6시간 이상	6평점 (1일 최대 이수 가능 평점: 최대 6평점)

QR코드 리더기 위치 안내



BOOTH EXHIBITION

Enjoy ICoLA Stamp Tour!

Join our stamp tour and get a chance to win a prize.



OR



Overseas Participants:
Amazon E-Card
(USD 30)

Domestic Participants:
Starbucks E-Gift Card
(KRW 30,000)

Visit, Collect and Get!

Visit exhibition booths and collect stamps from 80% of the total booths.

(Diamond, Platinum, Gold and JLA booth stamps are mandatory to collect.)
Please submit your completed stamp tour sheet to Stamp Tour Event Desk in Exhibition Hall, 5F. (Reward will be reimbursed after the congress.)

3F



- * Stamp tour event sheet will be distributed at registration desk.
- * Please collect your stamp on the given sheet, not on this program book.

D1	D2	P1	P2
Mandatory Hanmi Pharmaceutical	Mandatory JW Pharmaceutical	Mandatory ORGANON	Mandatory NOVARTIS
P3	G1	G2	
Mandatory DAEWOONG	Mandatory JEIL Pharm.	Mandatory VIATRIS	



5F



6F



SPONSORSHIP

DIAMOND

JW Pharmaceutical

Hanmi Pharmaceutical

PLATINUM

ORGANON

DAEWOOONG

NOVARTIS

GOLD

JEIL Pharm.

VIATRIS

AMGEN

YUHAN

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GC Biopharma

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Daiichi-Sankyo

Chong Kun Dang

BRONZE

DAEWON

sanofi

HYUNDAI PHARM

YOOYOUNG

Otsuka

novonordisk

Abbott

Boehringer Ingelheim

GSK

BORYUNG

DONG-A ST

Ahngook pharm.

HANLIM PHARM

CELLTRION

G3	G4	S1	S2	S3	S4
Mandatory AMGEN	Mandatory YUHAN	inno.N	GC Biopharma	LG Chem	Daiichi-Sankyo
S5	B1	B2	B3	B4	B5
Chong Kun Dang	daewon	sanofi	HYUNDAI PHARM	YOOYOUNG	Otsuka
B6	B7	B8	B9	B10	B11
novonordisk	Abbott	Boehringer Ingelheim	GSK	BORYUNG	DONG-A ST
B12	B13	B14	1	2	3
Ahngook pharm.	HANLIM PHARM	CELLTRION	BCWORLD PHARM CO., LTD.	Firson	SAMJIN
4	5	JLA	6	7	8
Dongkook Pharmaceutical	KUHNIL PHARM.	Mandatory JLA Journal of Lipid and Atherosclerosis	Myungmoon Pharm, Co., Ltd.	DONGWHA PHARM	KOREA UNITED PHARM, INC.
9	10	11	12	13	14
IL-YANG PHARM.	HANJOK	DAEWOOONG BIO INC.	SHIN POONG PHARM CO., LTD.	SK chemicals	ILDONG

ICoLA 2026

The 15th International Congress on
Lipid & Atherosclerosis

September 10 (Thu)-12 (Sat), 2026
CONRAD Seoul, Republic of Korea



SAVE THE DATE!



SoLA 2026

한국지질·동맥경화학회
춘계학술대회

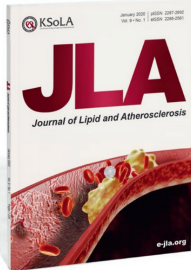
2026 Spring Congress on Lipid and Atherosclerosis of KSoLA

2026년 4월 3일(금)-4일(토)
시그니엘 부산



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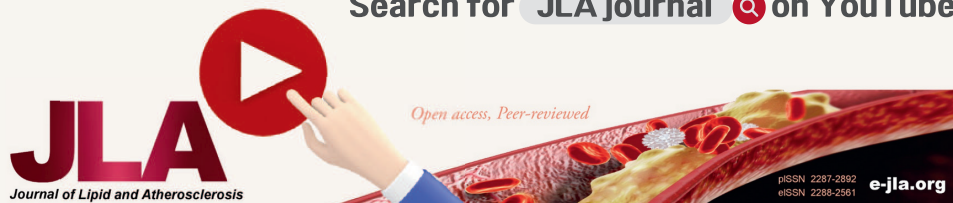
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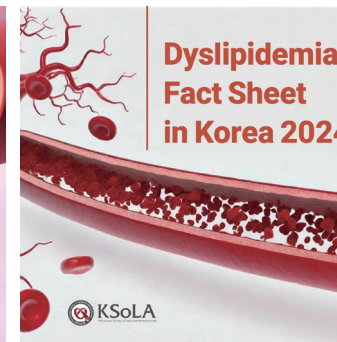
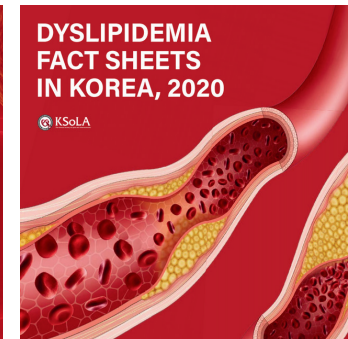
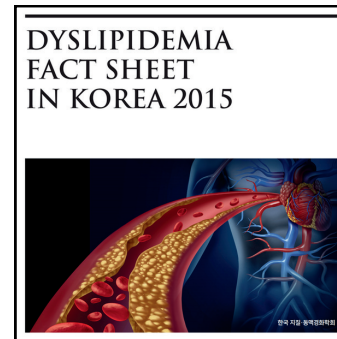
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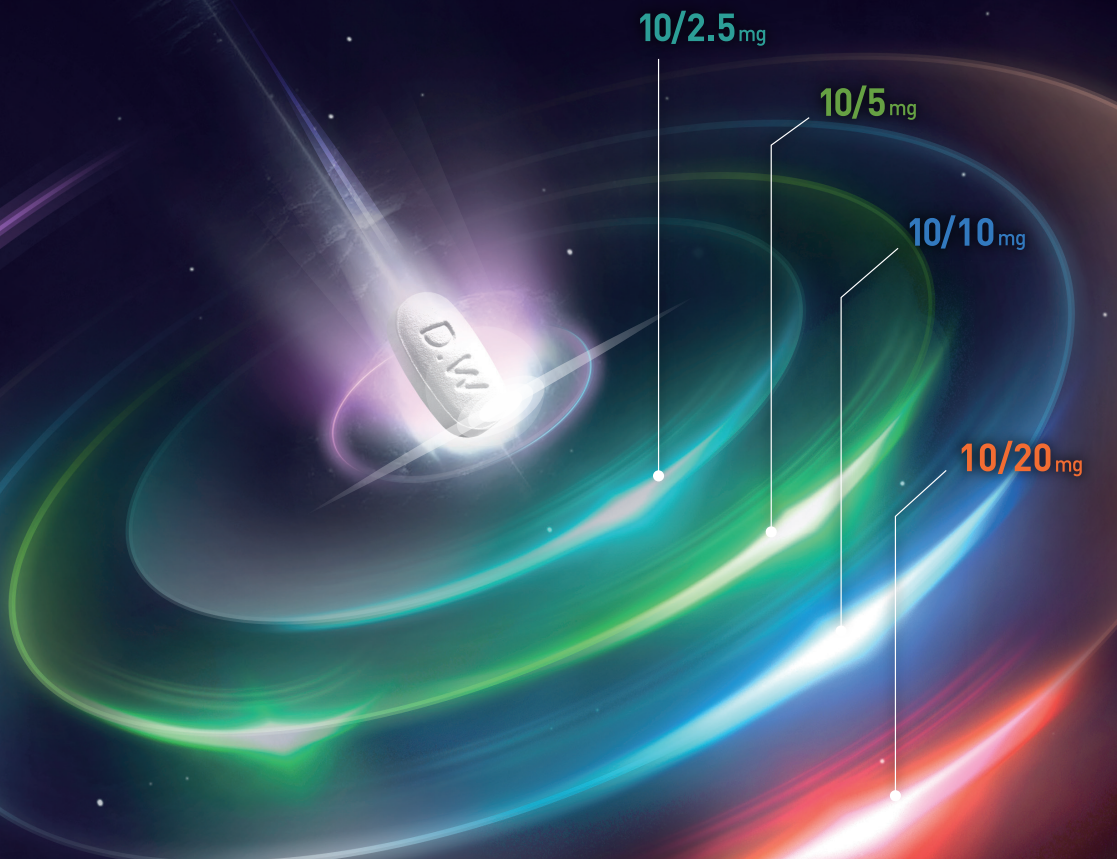


Powerful and Safe Treatment for Dyslipidemia

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DUAL INHIBITION
in cholesterol
(synthesis & absorption)



Efficient Dual action



Improved Clinical
efficacy and safety



Expanded
treatment options
10/2.5mg – 10/20mg



1년에 2번*, 일상을 돌려주는
6개월의 약속



치료목표 도달 및 유지*까지 가능해진
LDL-C 치료의 새로운 패러다임^{2,3}

한국인 포함 대규모 3상 임상에서 LDL-C **57.2%** 감소⁴
실제 진료 환경에서 LDL-C 치료목표 **94.7%** 달성^{5,*}

* LDL-C 70 mg/dL 기준, statin+ezetimibe 환자군 대상, 9개월 추적관찰 시.

* 1일 1회 1.5mL (284mg) 주사제를 1회 투여하며, 최초 2개월 주, 이후 6개월마다 투여합니다.

* 초기 투여 1회와 2주 후 투여 후, 약 6개월 간격의 투여로 LDL-C를 감소시킬 수 있습니다.

References 1. (한국노바티스) Inclisiran (Leqvio) 사용설명서 (inclisiran-medicines.com) 2. Lamb YN. Inclisiran: First Approval. Drugs. 2021 Feb;81(3):389-395. 3. Wright RS, et al. Inclisiran administration potentially and durably lowers LDL-C over an extended-term follow-up: the ORION-8 trial. Cardiovasc Res. 2024 Oct 14;120(12):1400-1410. 4. Hue Y, et al. Efficacy and Safety of Inclisiran in Asian Patients: Results From ORION-18. JACC Asia. 2023 Nov 14;4(2):123-134. 5. Gargiulo P, et al. Real-World Efficacy and Safety of Inclisiran: A Single-Country, Multicenter, Observational Study (CHOLINET Registry). J Am Coll Cardiol. 2025 Feb 11;85(5):536-540.

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* Product Information 처방하기 전 QR 코드 또는 식품의
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ICoLA 2025

The 14th International Congress on
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*Advancing Care in Lipids, Obesity, Glucose, and Blood Pressure:
Exploring Innovative Therapies and Their Clinical Impact*



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