

[Pulse of Asia 2023] New Waves for Vascular Health

Day 1 / July 14 (Fri)

Room A (POA): English

10:20-10:30 Opening Remark

Ki Chul Sung (Chair, POA 2023)

10:30-12:00 Session 1: Moderated Abstract Presentation

Chairs: Alberto Avolio (Australia), Jeong Bae Park (Korea)

10:30-10:40	Association of pulse pressure variability with kidney function in living kidney donors	Ekamol Tantisattamo (USA)
10:40-10:50	Individuals with post-acute sequelae of COVID-19 have impaired endothelial function, but combined exercise training restores endothelial function	Tae Gu Choi (Korea, Republic of)
10:50-11:00	Central systolic blood pressure as a risk factor for accelerated progression of arterial stiffness	Takamichi Takahashi (Japan)
11:00-11:10	VEIN-SCORE: A new risk score for chronic venous insufficiency in patients who experienced leg swelling	Kyu Kim (Korea, Republic of)
11:10-11:20	Pulse waveform analysis of diastolic residual pressure: Effect of arterial stiffness gradient and association with flow pulse waveform	Junichiro Hashimoto (Japan)
11:20-11:30	The relationship between domain-specific physical activity, sedentary behavior, and depressive symptoms among cardiovascular disease patients	Su Jin Yeon (Korea, Republic of)
11:30-11:40	Nitroglycerin reduces pulsatile afterload but maintains cardiac output without affecting energy consumption efficiency in patients with aortic stenosis	Audrey Adji (Australia)
11:40-11:50	Association of coronary slow flow during percutaneous coronary intervention and lipid burden by near infrared spectroscopy in patients with coronary artery disease	Moon Seung Soh (Korea, Republic of)
11:50-12:00	Federated learning approach for rapid identification of urgent coronary revascularization need in the emergency room	Hyung Joon Joo (Korea, Republic of)

Judges: Jin-Sun Park (Korea), Yong-ho Lee (Korea), Sunki Lee (Korea)

12:00-13:00 Satellite Symposium I (Viartis Korea)

Chairs: Sangwook Kim (Korea), Jang Young Kim (Korea)

12:00-12:30	Eagle's eye view: How to get patients on a statin timely and keep them on it	Soon Jun Hong (Korea)
12:30-13:00	HEADS-UP: Worth the statin with safety, especially for ASCVD	Jong-Young Lee (Korea)

13:00-14:40 Session 2: Use of Arterial Stiffness in Clinical Practice

Chairs: Young Moo Ro (Korea), Kazuomi Kario (Japan)

13:00-13:10	Use of arterial stiffness in clinical practice, introduction	Jeong Bae Park (Korea)
13:10-13:30	Clinical significance of arterial stiffness in hypertension: Where we are?	Rosa Maria Bruno (France)
13:30-13:50	Update of the clinical use of large artery stiffness	Jiguang Wang (China)
13:50-14:10	Large artery stiffness in the clinic: The future	Alberto Avolio (Australia)
14:10-14:40	Panel Discussion: Kyung-Hee Kim (Korea), Sang-Hoon Seol (Korea), Chi Young Shim (Korea)	

14:40-15:10 Session 3: Lifetime Achievement Award & Special Lecture

Chairs: Kee-Sik Kim (Korea)

14:40-15:10	HOPE-Asia	Kazuomi Kario (Japan)
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15:10-15:30 Coffee Break

15:30-17:00 Session 4: Application of Artificial Intelligence and Novel Device

Chairs: Jong-Won Ha (Korea), Soon Jun Hong (Korea)

15:30-15:45	Cuffless blood pressure measurement device: What's the future?	Hae-Young Lee (Korea)
15:45-16:00	Use of AI technology in detection of arrhythmia and blood pressure measurement in atrial fibrillation	Wei Zhang (China)
16:00-16:15	Validation of current and novel blood pressure measurement devices	James Sharman (Australia)
16:15-16:30	Prognostic implications of machine learning-derived echocardiographic phenotypes in community hypertensive patients	Anping Cai (China)
16:30-16:45	BP variability and cuffless PTT-based BP monitoring	Satoshi Hoshide (Japan)
16:45-17:00	Panel Discussion: Chang Hee Kwon (Korea), Sung-Hee Shin (Korea), Hyung Joon Joo (Korea), Soo-Joong Kim (Korea)	

17:00-18:30 Session 5: Hot Topic in Vascular Research in Asia-Pacific (I)

Chairs: Changgyu Park (Korea), Hirofumi Tomiyama (Japan)

17:00-17:15	Vascular aging and cardiovascular risk factors	Hirofumi Tomiyama (Japan)
17:15-17:30	The value of the serial measurement of arterial stiffness	Hack-Lyoung Kim (Korea)
17:30-17:45	Association of neutrophil-to-lymphocyte ratio with cerebral small vessel disease	Shao-Yuan Chuang (Taiwan)
17:45-18:00	Intelligent management and etiological classification of hypertension	Qian-Hui Guo (China)
18:00-18:15	Vascular complications in primary aldosteronism	Yen-Hung Austin Lin (Taiwan)
18:15-18:30	Panel Discussion: Ilsuk Son (Korea), Hyue Mee Kim (Korea), Dae-Young Kim (Korea), Chan Seok Park (Korea)	

Room B: Korean

15:30-16:40 Session 6: Nature-friendly Approach to Cardiac Rehabilitation

Chairs: Sae Young Jae (Univ. of Seoul), Justin Jeon (Yonsei Univ.)

15:30-15:35	Congratulated adress	Hye-young Kang (Director General of Forest Welfare Bureau, Korea Forest Service)
15:35-15:50	Therapeutic effect of forest environment on cardiovascular disorder	Sujin Park (National Institute of Forest Science)
15:50-16:05	The use of national forest healing center as net-working hub for chronic disease management	Kee-Chan Joo (Wellness Academy)
16:05-16:20	Analysis of exercise environment in national forest healing centers	Yunseok Roh (Korea Univ.)
16:20-16:40	Panel Discussion: Eung Ju Kim (Korea Univ.), Jong-Young Lee (Sungkyunkwan Univ.), Gyu Chul Oh (The Catholic Univ.), Byung Su Yoo (Yonsei Univ.)	

Day 2 / July 15 (Sat)**Room A (POA): English****07:30-08:30 Registration****08:30-10:20 Session 7: Special Lecture****Chairs:** Jin Han (Korea), Jiguang Wang (China)

08:30-08:55	Role of arterial stiffness in disease and therapeutic opportunities: An update	Julio Chirinos (USA) online
08:55-09:20	EVA and SUPERNOVA: Extreme phenotypes of vascular ageing	Rosa Maria Bruno (France)
09:20-09:45	Sympathetic nervous regulation of arterial stiffness with aging and hypertension	Gary Pierce (USA) online
09:45-10:10	Australian initiative to address hypertension control	James Sharman (Australia)
10:10-10:20	Panel Discussion: Eui-Young Choi (Korea), Jaehyuk Choi (Korea), Ki-Hyun Jeon (Korea), Minkwan Kim (Korea)	

10:20-10:40 Coffee Break**10:40-12:00 Session 8: New Frontier of Cardiovascular Disease Prevention and Rehabilitation****Chairs:** Eun Joo Cho (Korea), Peter Brubaker (USA)

10:40-11:00	The evolution of cardiac rehabilitation: Past, present and future directions	Peter Brubaker (USA)
11:00-11:20	Intensive cardiac rehabilitation: A comprehensive approach	Pam Rajendran Taub (USA) online
11:20-11:40	Remote cardiac rehabilitation: Opportunities and challenges	Rod Taylor (UK) online
11:40-12:00	Panel Discussion: Joong-Hwa Chung (Korea), Haegeun Song (Korea), Joon-Ho Hyun (Korea)	

12:00-12:40 Session 9: Michael O'Rourke Lecture**Chairs:** Byung Hee Oh (Korea)

12:00-12:30	Evolution of device application in arterial hemodynamics	Alberto Avolio (Australia)
12:30-12:40	Panel Discussion: Jinho Shin (Korea), Sungha Park (Korea)	

12:40-13:40 Satellite Symposium II (DAEWOONG & DAIICHI-SANKYO)**Chairs:** Seung-Jae Joo (Korea), Jin-Ok Jeong (Korea)

12:40-13:10	Update on BP control strategy in elderly patients with hypertension	Chi Young Shim (Korea)
13:10-13:40	Prevention of CVD in hypertension with diabetes	Jong-Chan Youn (Korea)

13:40-14:40 Session 10: Special Lectures**Chairs:** Ki Chul Sung (Korea), Sun H Kim (USA)

13:40-14:05	What AI can't tell you about Reaven's Syndrome X and CVD	Sun H Kim (USA)
14:05-14:30	Vascular origins of cardiometabolic disease	Gary Mitchell (USA) online
14:30-14:40	Panel Discussion: Sung-Hee Choi (Korea), Se-Eun Park (Korea), Choongwon Goh (Korea)	

14:40-16:10 Session 11: Hot Topic in Vascular Research in Asia-Pacific (II)**Chairs:** Chen-Huan Chen (Taiwan), Dong-Soo Kim (Korea)

14:40-14:55	Virus and immunosenescence in CVD	Eui-Cheol Shin (Korea)
14:55-15:10	Genetic architecture of blood pressure variability	Kelvin Tsoi (Hong Kong)
15:10-15:25	Cardiovascular risk in isolated diastolic hypertension and isolated low diastolic blood pressure	Hao-Min Cheng (Taiwan)
15:25-15:40	Blood pressure levels and risks of dementia	Sungha Park (Korea)
15:40-15:55	Proximal aorta and cognitive dysfunction	Chen-Huan Chen (Taiwan)
15:55-16:10	Panel Discussion: Jong-Chan Youn (Korea), Eun Mi Lee (Korea), Seunghoon Choi (Korea)	

16:10-16:30 Coffee Break**16:30-17:55 Session 12: Engineering & Clinical Insight into the Current Theranostic Paradigm****Chairs:** Seung-Woo Park (Korea), Moo-Yong Rhee (Korea)

16:30-16:50	"Smart Ring": A game changer in chronic disease management	Jang-Whan Bae (Korea)
16:50-17:05	Radial artery tonometry to monitor hemodynamics	Ki Chang Nam (Korea)
17:05-17:20	A bioresorbable pacemaker with transient closed-loop systems	Yeonsik Choi (Korea)
17:20-17:35	Decentralized biomedical devices using wearable form-factors	Ja Young Kim (Korea)
17:35-17:55	Panel Discussion: Hak-Joon Sung (Korea), Kangun Choi (Korea), Yonggu Lee (Korea), Ju-Hee Lee (Korea)	

17:55~ Award Ceremony & Closing

Room B (KOVAS): Korean**08:30-09:35 Session 13: Diagnosis & Treatment of Venothromboembolism: Meet the Experts****Chairs:** Wook Bum Pyun (Ewha Womans Univ.), Kwang-il Kim (Seoul National Univ.)

08:30-08:45	What and how much should be evaluated in VTE patients?	Eun Joo Cho (The Catholic Univ.)
08:45-09:00	Anticoagulation strategy for treatment of VTE in the era of COVID-19	Sang Hoon Na (Seoul National Univ.)
09:00-09:15	Interventional treatment for treatment of VTE: When & How to?	Jongyun Won (Yonsei Univ.)
09:15-09:35	Question from Young Cardiologists: Answers from the Experts Young Cardiologists Panels: Hyun-Jung Lee (Yonsei Univ.), Minjeong Kim (Hanyang Univ.), Kyuyong Ko (Inje Univ.), Jong Il Park (Yeungnam Univ.), Bom Lee (CHA Univ.), Moonseung Soh (Ajou Univ.), Kyung Eun Ha (Gachon Univ.)	

09:35-10:20 Session 14: Hot Topic in Coronary Vascular Dysfunction and Myocardium**Chairs:** Hyeon Cheol Gwon (Sungkyunkwan Univ.), Byoung Kwon Lee (Yonsei Univ.)

09:35-09:50	Coronary microvascular dysfunction in cardiomyopathy	Joo Myung Lee (Samsung Medical Center)
09:50-10:05	Vasospastic angina: Contemporary review and insights from VA-KOREA	Sungeun Kim (Hallym Univ.)
10:05-10:20	Panel Discussion: Weon Kim (Kyung Hee Univ.), Jang-Ho Bae (Konyang Univ.), Seok Kyu Oh (Wonkwang Univ.), Young-Hyo Lim (Hanyang Univ.)	

10:20-10:40 Coffee Break**10:40-12:40 Session 15: From Textbook to Clinic: Case-based Learning with Vascular Textbook Authors & Vascular Specialists****Chairs:** Jin-Ok Jeong (Chungnam National Univ.), Seong Hwan Kim (Korea Univ.)

10:40-10:55	What happens to your vessels when you quit smoking? (담배를 끊으면 혈관에 나타나는 변화)	Ji Yeon Hong (Hallym Univ.)
10:55-11:10	Vascular Aging and Exercise (혈관 노화 예방에 어떤 운동이 좋을까?)	Sae Young Jae (Univ. of Seoul)
11:10-11:25	Patients with retinal artery occlusion referred from ophthalmology. What should we do? (망막동맥폐쇄 환자에서 무슨 검사를 해야할까?)	Hyemoon Chung (Kyung Hee Univ.)
11:25-11:40	A 78-year-old men with 40mmHg difference in blood pressure on both arms (양쪽 팔의 혈압차이가 보내는 시그널은?)	Nuri Lee (Chonnam National Univ.)
11:40-11:55	A 55-year-old women presenting with one leg edema. Quick test within 5 minutes (한쪽 다리 부종 환자, 빨리 감별하는 법)	Sung Ai Kim (Hallym Univ.)
11:55-12:10	Puncture site pain and swelling in patient undergone vascular procedure. What's the next test? (검사한 자리가 붓고 아픈 환자를 만났을 때)	Jah Yeon Choi (Korea Univ.)
12:10-12:40	Panel Discussion: Heeyoon Cho (Hanyang Univ.), Hyun-Jong Lee (Sejong General Hospital), Seung Yong Shin (Chung-Ang Univ.), Taeyoung Choi (National Cancer Center)	

12:40-13:40 Satellite Symposium III (Chong Kun Dang)**Chairs:** Sung Kee Ryu (Ewha Womans Univ.), Sang Hyun Ihm (The Catholic Univ.)

12:40-13:10	Carvedilol: Beta blocker & beyond	Hoyoun Won (Chung-Ang Univ.)
13:10-13:40	Atorvastatin treatment based on guideline and evidence	Ki-Hyun Jeon (Seoul National Univ.)

13:40-14:40 Session 16: Metabolic Derangement and Vascular Health**Chairs:** Myung-A Kim (Seoul National Univ.), Seung Hwan Han (Gachon Univ.)

13:40-13:55	'Fatty but muscular skinny' or 'skinny but fit' ; that is the question	Chanhee Jung (Soonchunhyang Univ.)
13:55-14:10	Insulin resistance trajectory and IR per se, associated outcome (metabolic, vascular health)	Mihae Seo (Soonchunhyang Univ.)
14:10-14:25	NAFLD versus MAFLD? from a cardiovascular perspective	Byung Sik Kim (Hanyang Univ.)
14:25-14:40	Panel Discussion: Hyun-Jin Kim (Hanyang Univ.), Hyo-In Choi (Sungkyunkwan Univ.), Hoyoun Won (Chung-Ang Univ.), Kyu Kim (Yonsei Univ.)	

14:40-16:10 Session 17: Controversy in Vitamin D for Vascular Health**Chairs:** Mi-Seung Shin (Gachon Univ.), Sin Gon Kim (Korea Univ.)

14:40-15:00	Interpretation of vitamin D test, commonly used in health check-up	Heesun Lee (Seoul National Univ.)
15:00-15:20	Vitamin D deficiency and risk of cardiovascular disease	Mee Kyoung Kim (The Catholic Univ.)
15:20-15:35	Stop Vitamin D screening and supplementation!	Seung-Kwon Myung (National Cancer Center)
15:35-15:50	Vitamin D testing and supplementation are helpful	Young-Ki Lee (Hallym Univ.)
15:50-16:10	Panel Discussion: Mihyun Kim (CHA Univ.), Jang-Won Son (Yeungnam Univ.), Jeongha Ha (Yonsei Univ.), Minjae Yoon (Seoul National Univ.), Jihye Heo (Hallym Univ.)	

16:10-16:30 Coffee Break**16:30-18:00 Session 18: AI and Research Ethics****Chairs:** Sang Chol Lee (Sungkyunkwan Univ.), Juhan Kim (Chonnam National Univ.)

16:30-16:45	ChatGPT: How to use? (ChatGPT의 유용한 기능 실제 활용법)	Hyungdon Kook (Hanyang Univ.)
16:45-17:00	ChatGPT: Pitfall and cautions for use (ChatGPT 사용시 주의사항)	Seong Tae Kim (Kyung Hee Univ.)
17:00-17:15	How to identify manuscripts written by AI (AI가 작성한 원고를 알아내는 방법)	Sang Min Park (Eulji Univ.)
17:15-17:30	Manuscripts using AI: Be allowed? (AI를 활용한 원고나 논문 어디까지 인정할 것인가?)	Oh Hoon Kwon (Hansol Hospital)
17:30-17:50	Panel Discussion: Soo Youn Lee (Incheon Sejong Hospital), Seo-Yeon Gwak (Yonsei Univ.), Hyeonju Jeong (Hanyang Univ.), Hyo Suk Ahn (The Catholic Univ.)	