

*Challenges & Advancements in Cardiology:*

# CARDIO WORLD CONGRESS-2025

**July 07- 08, 2025 at Vienna, Austria (Hybrid Event)**

Final Program\_WCAC-2025



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Day  
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*Challenges & Advancements in Cardiology:*  
**CARDIO WORLD CONGRESS-2025**

July 07, 2025

**MONDAY**

**Meeting Hall - II**

**08:30-09:00 | Registrations**

**09:00-09:15 Opening Ceremony**

**Moderator: Celia Carmina Lima Dos Santos, *International European University, UK***

**KEYNOTE TALKS**

**Om P. Dhingra,**  
Marius Pharmaceuticals, USA

**09:15-09:45**

**Testosterone: The Most Misunderstood  
Hormone for Cardiovascular Health and  
Overall Wellbeing!**

**Gotabhaya Ranasinghe,**  
National Hospital of Sri Lanka,  
Sri Lanka

**09:45-10:15**

**Navigating Beyond CADASIL and SCAD  
Towards a New Medical Frontier**

**Vasiliy V Polosukhin,**  
Vanderbilt University Medical Center,  
USA

**10:15-10:45**

**Pulmonary Vascular Disease in Veter-  
ans with Post-Deployment Respiratory  
Syndrome**

**Group Photo & Refreshment Break (10:45-11:00)**

**In-person Program  
WCAC-2025**

Day  
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## Challenges & Advancements in Cardiology: **CARDIO WORLD CONGRESS-2025**

July 07, 2025

**MONDAY**

### Technical Session-I

#### Session: Cardiovascular Diseases and Disorders

##### Session Chairs:

**Om P. Dhingra**, *Marius Pharmaceuticals, USA*  
**Gotabhaya Ranasinghe**, *National Hospital of Sri Lanka, Sri Lanka*

<b>Milos Mijalkovic</b> , <i>Polyclinic Kardio Medika, Nish, Serbia</i>	<b>11:00-11:20</b>	<b>A new potential cause of secondary hypertension</b>
<b>Fenghua Zhou</b> , <i>Southern Medical University, China</i>	<b>11:20-11:40</b>	<b>Dingxin Recipe III, a traditional Chinese medicine compounds, could alleviate hyperlipodemia and atherosclerosis mainly through the regulation of gut barrier and lipid metabolism</b>
<b>Celia Carminda Lima Dos Santos</b> , <i>International European University, UK</i>	<b>11:40-12:00</b>	<b>Impact of Demographic factors on Coronary Artery Disease</b>
<b>Meir Frankel</b> , <i>Shaare Zedek Medical Center, Israel</i>	<b>12:00-12:20</b>	<b>Thyroid Dysfunction and Mortality In Cardiovascular Hospitalized Patients</b>
<b>Meaad Almusined</b> , <i>King Saud University, Saudi Arabia</i>	<b>12:20-12:40</b>	<b>Investigation of Circulating Biomarkers in Combination with Imaging Markers to Improve Diagnosis of Ischaemic Stroke</b>
<b>Radko Komadina</b> , <i>SB CELJE, Slovenia</i>	<b>12:40-13:00</b>	<b>The European guideline on management of major bleeding and coagulopathy following trauma: sixth edition</b>

**Lunch Break @ Restaurant (13:00-14:00)**

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*Challenges & Advancements in Cardiology:*  
**CARDIO WORLD CONGRESS-2025**

July 07, 2025

**MONDAY**

**Technical Session-II**

**Session:**  
**Cardiovascular Imaging and Analysis,  
Cardiovascular Diagnosis and Therapy,  
Interventional Cardiology and Radiology  
Pediatric and Congenital Cardiovascular Disease**

**Session Chairs:**

**Jie Zheng**, *Washington University in St. Louis, USA*  
**Vasiliy V Polosukhin**, *Vanderbilt University Medical Center, USA*

<b>Gilberto Del Campo Ortega</b> , <i>Hospital Puebla, Mexico</i>	<b>14:00-14:20</b>	<b>Unprotected Left Main Coronary Angioplasty In Type Iv Non Stemi Infarct, And Circumflex Total Coronary Chronic Ocluted With Dk Crush Technique, Optimization With Ivus</b>
<b>Abbas H. Zaidi</b> , <i>Nemours Children's Health/Thomas Jefferson University, USA</i>	<b>14:20-14:40</b>	<b>Understanding Parent and Clinician Perspectives to Improve Pediatric Hypertension Detection</b>
<b>Jie Zheng</b> , <i>Washington University in St. Louis, USA</i>	<b>14:40-15:00</b>	<b>Cardiac Magnetic Resonance imaging of myocardial tissue and microvasculature beyond heart contraction</b>
<b>Jinbao Zong</b> , <i>Qingdao Hiser Hospital Affiliated of Qingdao University, China</i>	<b>15:00-15:20</b>	<b>Methazolamide Can Treat Atherosclerosis by Increasing Immunosuppressive Cells and Decreasing Expressions of Genes Related to Proinflammation, Calcification, and Tissue Remodeling</b>

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## Challenges & Advancements in Cardiology: **CARDIO WORLD CONGRESS-2025**

July 07, 2025

**MONDAY**

**Juan Cong,**

*Fuwai Central China Cardiovascular  
Hospital, China*

**15:20-15:40**

The three-year follow-up of a fully biodegradable implantable device closure for perimembranous ventricular septal defects in children by echocardiography

**Ami Aronheim,**

*Tecnon-Israel Institute of Technology,  
Israel*

**15:40-16:00**

Harnessing cancer paradigms for the treatment of heart failure and fibrosis

**Refreshment Break (16:00-16:10)**

**Paweł Kowalczyk,**

*The Kielanowski Institute of Animal  
Physiology and Nutrition, Polish  
Academy of Sciences, Poland*

**16:10-16:30**

Comet assay, qPCR and enzymatic triad as new useful tools for analysis of oxidoreductive effects of novel HNO donors in thrombotic rats

**Himani V. Bhatt,**

*Mount Sinai Health Systems, USA*

**16:30-16:50**

Erector Spinae Plane (ESP) Block Decreases Narcotic Requirement in Patients Undergoing Subcutaneous ICD Placement Under Sedation

**Harold L Kennedy,**

*University of Missouri School of  
Medicine, USA*

**16:50-17:10**

Gravitational Medicine: Origin, Evolution, and Future Opportunity

**Ani Stepanyan,**

*Institute of Molecular Biology NAS  
RA, Armenia*

**17:10-17:30**

Evaluating sex-specific responses to western diet across the lifespan: impact on cardiac function and transcriptomic signatures in C57BL/6J mice

**Pannel Discussions & Closing Ceremony**

**In-person Program  
WCAC-2025**

Day  
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*Challenges & Advancements in Cardiology:*  
**CARDIO WORLD CONGRESS-2025**

July 08, 2025

**TUESDAY**

**Meeting Hall - II**

**Moderators:**

**Ioana Dumitru** *University of South Florida, USA*

**Niloofer Nobakht** *David Geffen School of Medicine at University of California, USA*

**KEYNOTE TALKS**

**Richard Saumarez,**  
*Fen EP, UK*

**09:45-10:15**

**Decision making in Sudden Cardiac  
Death prevention**

**Chunming Dong,**  
*University of Miami, USA*

**10:15-10:45**

**Extracellular Vesicles as Delivery Systems in  
Disease Therapy**

**Refreshment Break (10:45-11:05)**

**Technical Session-III**

**Session Chair: Ioana Dumitru,** *University of South Florida, USA*

**Abbas H. Zaidi,**  
*Nemours Children's Health/Thomas  
Jefferson University, USA*

**11:05-11:25**

**Social Determinants of Health Including  
Child Opportunity Index Leading to Gaps  
in Care for Patients With Significant  
Congenital Heart Disease**

**Yao-Hua Song,**  
*Soochow University, China*

**11:25-11:45**

**The role of TECRL in skeletal muscle  
regeneration**

**In-person Program  
WCAC-2025**

# Day 2

## Challenges & Advancements in Cardiology: **CARDIO WORLD CONGRESS-2025**

July 08, 2025

**TUESDAY**

**Kelsey Gore,**  
*Ochsner Health System, USA*

**11:45-12:05**

**Risk for Renal Replacement Therapy  
during Mechanical Circulatory Support**

**Vytautas Ostasevicius,**  
*Kaunas University of Technology,  
Lithuania*

**12:05-12:25**

**Noninvasive Hemotherapy**

**Yifei Hu,**  
*China Capital Medical University,  
China*

**12:25-12:45**

**Sex-specific differences in left  
ventricular mass and volumes with body  
mass index among children aged 6 to 8:  
a cross-sectional study in China**

**Lunch Break @ Restaurant (12:45-13:45)**

**Technical Session-IV**

**Session Chair: Richard Saumarez, Fen EP, UK**

**Yangxin Li,**  
*Soochow University, China*

**13:45-14:05**

**Mesenchymal stem cell-derived exosomes  
regulates membraneless organelle  
metabolism and promotes cardiac  
regeneration through the formation of  
RhoA liquid-liquid phase separation**

**Ioana Dumitru,**  
*University of South Florida, USA*

**14:05-14:25**

**Impella 5.5 as a bridge-to-surgery in  
acute ischemic mitral regurgitation  
post-percutaneous coronary  
intervention: a case report**

**Niloofer Nobakht,**  
*David Geffen School of Medicine at  
University of California, Los Angeles,  
USA*

**14:25-14:45**

**Prevention and Management of  
Hypertension for Women**

**In-person Program  
WCAC-2025**



Day  
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## Challenges & Advancements in Cardiology: **CARDIO WORLD CONGRESS-2025**

July 08, 2025

**TUESDAY**

**Afaf Smail,**  
*Cardio Vein Center, Algiers, Algeria*

**14:45-15:05**

**Redefining Blood Pressure Targets in  
Chronic Kidney Disease: A Clinician's  
Perspective**

### Poster Presentations (15:05-15:35)

**Hela Bouzidi,**  
*Habib Thameur University Hospital,  
Tunisia*

**WCAC I**

**Association between health-related  
quality of Life and history of coronary  
artery disease in Tunisian patients**

**Arely Anayancy Méndez Mercado,**  
*Meritorious Autonomous University of  
Puebla, Mexico*

**WCAC II**

**Prevalence and clinical profile of  
patients diagnosed with coronary  
ectasia at the hospital of specialties  
Puebla from 2020 to 2023**

**Eranda Ranasinghe Arachchi,**  
*Northern Ireland Medical, UK*

**WCAC III**

**NT-pro BNP as a prognostic indicator  
for chronic heart failure in elderly  
population**

**Dona Filcheva,**  
*Medical University Varna, Bulgaria*

**WCAC IV**

**Chronic heart failure combined with  
lung carcinoma, hypothyroidism and  
hepatitis – A case report**

### Pannel Discussions & Closing Ceremony

**In-person Program  
WCAC-2025**



# **Virtual Scientific Program**

**Central European Time (CET)**

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*Challenges & Advancements in Cardiology:*  
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July 07, 2025

**MONDAY**

<b>Jihong Hu,</b> <i>Gansu University of Chinese Medicine, China</i>	<b>12:00-12:20</b>	<b>Association between salt sensitivity of blood pressure and dietary habits in survey population: A case-control study</b>
<b>Youngsun Kim,</b> <i>Kyung Hee Medical Center/Kyung Hee University, South Korea</i>	<b>12:20-12:30</b>	<b>E-Poster</b> <b>Clinical Significance of MicroRNAs, Long Non-Coding RNAs, and CircRNAs in Cardiovascular Diseases</b>
<b>Guo-Wei He,</b> <i>Tianjin University, China</i>	<b>12:30-12:50</b>	<b>Metabolomics and Biomarkers for Paroxysmal and Persistent Atrial Fibrillation</b>
<b>Kangmo Huang,</b> <i>Nanjing University, China</i>	<b>12:50-13:10</b>	<b>Angiography-based hemodynamic features predict recurrent ischemic events after angioplasty and stenting of intracranial vertebrobasilar atherosclerotic stenosis</b>
<b>Fatemeh Chichagi,</b> <i>Tehran University of Medical Sciences, Iran</i>	<b>13:10-13:30</b>	<b>Physical cardiac rehabilitation effects on cardio-metabolic outcomes in the patients with hypertrophic cardiomyopathy: a systematic review</b>
<b>Margaux Fabre,</b> <i>Clinique l'Oliveraie des Cayrons, France</i>	<b>13:30-13:50</b>	<b>Pharmacist involved in therapeutic and educative workshops for heart failure patients</b>

Virtual Program \_ WCAC-2025

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July 07, 2025

**MONDAY**

**Giuseppina Laganà,**  
*University of Messina, Italy*

**13:50-14:10**

**Polyphenols and healthy life: flavonoids  
biochemical effects on cardiovascular  
health**

**S.Papazoglou,**  
*Imperial College Healthcare NHS  
Trust, UK*

**14:10-14:20**

**E-Poster**  
**Hemodynamics of Aortic Valve Stenosis  
and Contralateral Internal Carotid  
Artery Stenosis in patients with Type 2  
Diabetes Mellitus**

**Nathan J. VanDusen,**  
*Wells Center for Pediatric Research  
- Indiana University School of  
Medicine, UK*

**14:20-14:40**

***In vivo* dissection of a CRISPR/Cas9-  
mediated precise genome editing  
mechanism**

**Isabella Grumbach,**  
*University of Iowa, USA*

**14:40-15:10**

**Keynote**  
**Radiation-induced micro- and  
macrovascular injury**

**Lindsey A. Fitzsimons,**  
*University of New England, USA*

**15:10-15:30**

**Cardiomyocyte primary cilia:  
Orchestrators of ventricular  
development?**

**Dinakaran Umashankar,**  
*Wayne State University, USA*

**15:30-15:50**

**E-Poster**  
**Hidden Hazards: The Ambiguous Link  
Between Mitral Annular Calcification  
and Infection**

**Virtual Program \_ WCAC-2025**

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**MONDAY**

**David M. Williams,**  
*University of Michigan School of  
Medicine, USA*

**15:50-16:20**

**Keynote**  
**Pathologic characteristics of human  
venous in-stent stenosis and stent  
occlusion**

**Amir Kazory,**  
*University of Florida, USA*

**16:20-16:50**

**Keynote**  
**HepatoCardioRenal Syndrome; An  
Overlooked Entity**

**Arthur Jay Siegel,**  
*MASS GENERAL PHYS ORG, USA*

**16:50-17:10**

**Aspirin use guided by coronary artery  
calcium scoring for primary prevention  
in persons at risk due to subclinical  
coronary heart disease**

**Sam Schulman,**  
*McMaster University, Canada*

**17:10-17:30**

**International guidelines for  
antithrombotic treatment in COVID-19**

**Closing Ceremony**

**Virtual Program \_ WCAC-2025**

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Challenges & Advancements in Cardiology:  
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July 08, 2025

**TUESDAY**

**Fan Xu,**  
*Chengdu Medical College, China*

10:00-10:20

Cardiac sound monitoring for  
Dynamic Assessment of Prosthetic  
Valve Degradation After Transapical  
Transcatheter Aortic Valve Implantation

**Chenliang Ge,**  
*The First Affiliated Hospital of  
Guangxi Medical University, China*

10:00-10:20

Neutrophil-to-Lymphocyte Ratio as a  
Predictor of Cardiovascular Mortality in  
Cancer Survivors

**Xiaoqi Cai,**  
*The First Affiliated Hospital of  
Fujian Medical University, China*

10:40-11:00

**E-Poster:**  
Endothelial dysfunction was associated  
with over 10-year prognosis in southern  
Chinese: a retrospective cohort study

**Shivam Thaker,**  
*Kasturba Medical College, India*

11:00-11:20

A randomised cross-over mannequin-  
based trial exploring the impact  
of hand preference of health care  
professionals on the effectiveness of  
chest compressions

**Saleh Mudawi Alqahtani,**  
*King Faisal Medical city for  
Southern Region, Saudi Arabia*

11:20-11:40

Molecular docking analysis of AGTR1  
antagonists

**Tal Caller,**  
*Tel Aviv University and Sheba  
Medical Center, Israel*

11:40-12:00

Atherosclerotic Cardiovascular Diseases  
Are Associated With Incident Metastatic  
and Nonmetastatic Cancer

**Orna Reges,**  
*Ariel University, Israel*

12:00-12:20

Trends in the Incidence of  
Cardiovascular Diagnoses and  
Procedures over the Years 2012–2021  
in Israel: The Impact of the COVID-19  
Pandemic

Virtual Program \_ WCAC-2025

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July 08, 2025

**TUESDAY**

**Loay Eleyan,**  
*Leeds Teaching Hospitals NHS  
Trust, UK*

**12:20-12:40**

**Exercise training in heart failure: current  
evidence and future directions**

**Muhammad Salman Saleem,**  
*TAMESIDE, UK*

**12:40-13:00**

**Unveiling Congenital Heart Disease  
in an Octogenarian: A Case of Late  
Diagnosis of Patent Ductus Arteriosus  
Presenting With Heart Failure With a  
Preserved Ejection Fraction**

**Gemma Arderiu Marques,**  
*Institut de Recerca Sant Pau (IR  
SANT PAU), Spain*

**13:00-13:20**

**Harnessing Subcutaneous and Visceral  
Adipose Stem Cells for Angiogenesis  
and Cardiovascular Disease Therapy:  
The Role of miRNAs in Endothelial**

**Soumya Patnaik,**  
*The University of Texas Health  
Science Center at Houston, USA*

**13:20-13:40**

**Role of extracellular heat shock proteins  
in cardiovascular disease**

**Beatriz Amaral Costa Savino,**  
*Hospital de Clinicas of the State  
University of Campinas, Brazil*

**13:40-14:00**

**E-Poster**  
**Anthracycline-Related Cardiotoxicity in  
Acute Myeloid Leukemia: A Case Report**

**Jihyun Park,**  
*University of California San Diego/  
Rady Children's Hospital, USA*

**14:00-14:20**

**Fine tuning ECG interpretation for  
young athletes: ECG screening using  
Z-score-based analysis**

**Deepak K. Gupta,**  
*Vanderbilt University Medical  
Center, USA*

**14:20-14:40**

**Correlates of plasma NT-probnp to  
cyclic GMP Ratio in heart failure with  
preserved ejection fraction**

**Virtual Program \_ WCAC-2025**

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*Challenges & Advancements in Cardiology:*  
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July 08, 2025

**TUESDAY**

**Phillip Abarca,**  
*Keck school of Medicine of USC,  
USA*

**14:40-15:00**

**Accuracy and correlation of bed and standing scale weights in monitoring volume status in heart failure patients**

**Alexandra Nicholas,**  
*University of Pittsburgh,  
USA*

**15:00-15:20**

**A case series of parturients with mechanical mitral valves: anticoagulation management during labor and delivery**

**Nhung Nguyen,**  
*University of Chicago, USA*

**15:20-15:45**

**Plenary Talk**  
**Computational modeling for cardiovascular surgery: from understanding disease mechanism to planning surgical treatment**

**Suman Srinivasa,**  
*Massachusetts General Hospital,  
USA*

**15:45-16:05**

**The MIRABELLA HIV Study: Mineralocorticoid Receptor Antagonism to Lower Arterial Inflammation in The MIRABELLA HIV Study HIV**

**Reza Avazmohammadi,**  
*Texas A&M University, USA*

**16:05-16:25**

**Leveraging AI for non-invasive assessment of cardiovascular function and remodeling**

**Jonathan D. Brown,**  
*Vanderbilt University Medical Center, USA*

**16:25-16:45**

**Transcriptional mechanisms of proinflammatory activation in vascular endothelium**

**Michael Ghannam,**  
*University of Michigan, USA*

**16:45-17:05**

**Catheter ablation of parahisian premature ventricular complexes in patients with and without cardiac scar**

**Closing Ceremony**

**Virtual Program \_ WCAC-2025**





WE WISH TO SEE YOU AGAIN AT

Challenges & Advancements in Cardiology:

# Cardio World Congress-2026

June 29 - 30, 2026 at Barcelona, Spain *(Hybrid Event)*

Website: <https://cardio-worldcongress.org/> Email: [michael\\_alan@cardio-worldcongress.org](mailto:michael_alan@cardio-worldcongress.org)



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