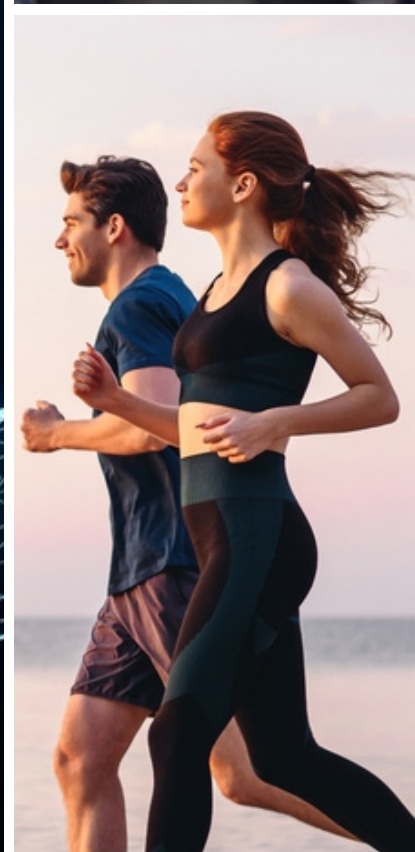
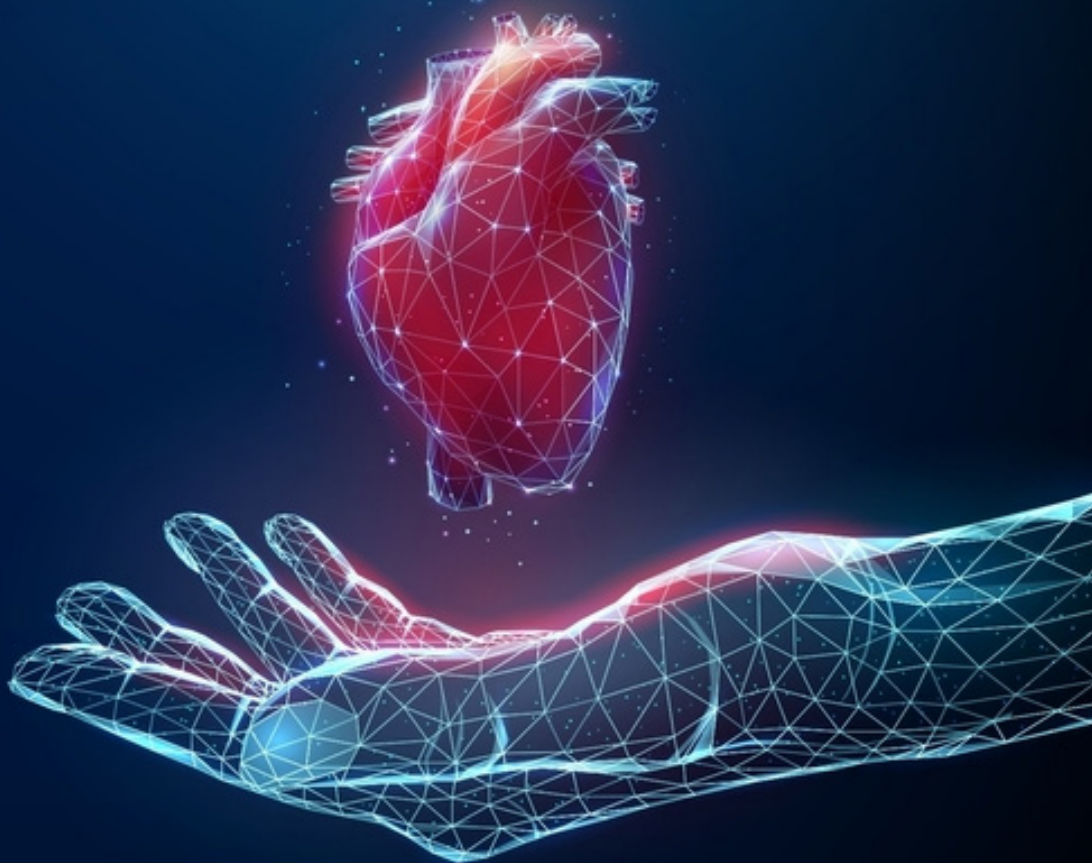


Challenges & Advancements in Cardiology: **CARDIO WORLD CONGRESS-2024**

June 25 - 26, 2024
at Prague, Czech Republic (Hybrid Event)

**Hotel Duo,
Teplická 492, 190 00 Prag 9, Czech Republic**



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SCIENTIFIC PROGRAM

Challenges & Advancements in Cardiology:

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June 25 - 26, 2024

at Prague, Czech Republic

Scientific Program

Day-1 (June 25, 2024)

Meeting Hall - Zurich

Moderator: Elisa Rossi, *University of Paris, France*

Registrations Open (08:00-08:40)

Welcome Remarks by Moderator (08:40-09:00)

Keynote Talks

Patrick M Honore,
UCL Louvain Medical
School, Belgium

09:00-09:30

Chronic Thromboembolic Pulmonary
Hypertension (CTEPH) : A Frequently
Overlooked Deadly Disease

Guillermo Romero,
University of Pittsburgh,
USA

09:30-10:00

Relaxin suppresses atrial fibrillation,
reverses fibrosis and reduces
inflammation in aged hearts

Francois Lacour-Gayet,
Marie Lannelongue
Hospital, France

10:00-10:30

Surgery for severe congenital heart
diseases in children from developing
nations

Group Photo & Refreshment Break (10:30-10:50)

Technical Session-I

Theme: Cardiovascular Diseases and Disorders & Cardiovascular Imaging and Analysis

Session Chairs: Prof. Thomas Bernd Dschietzig & Prof. Guillermo Romero

Frank F. Seghatol-Eslami,
Washington University
School of Medicine, USA

10:50-11:10

Relation of Cardiorenal Syndrome to
Mitral and Tricuspid Regurgitation in
Acute Decompensated Heart Failure

**Gustavo Enrique
Crespo-Avilan,**
DUKE-NUS, Singapore

11:10-11:30

Modulating immune cell metabolism
to prevent post-vascular injury
neointimal hyperplasia

Elisa Rossi, University of Paris, France	11:30-11:50	Soluble endoglin reduces thrombus formation and platelet aggregation via interaction with $\alpha\text{IIb}\beta\text{3}$ integrin
Christian Klein, University of Bonn, Germany	11:50-12:10	Sublingual Varices and Arterial Hypertension
Guillem Paluzie, Maresme y la Selva Health Corporation, Spain	12:10-12:30	Utility of massive screening data to detect under diagnosed and minority diseases associated with high cardio-vascular risk. Project "Second chance"
Rebecca Byars, The University of Texas Dell Medical School, USA	12:30-12:50	Pediatric nurse practitioners in adult congenital heart disease care
Mauro Amato, Centro Cardiologico Monzino, IRCCS, Italy	12:50-13:10	CV-PREVITAL: a large-scale real-world trial evaluating the effectiveness of a digital intervention for primary cardiovascular prevention

Lunch Break @ Restaurant (13:10-14:00)

Technical Session-II

Themes: Research and Advances in Cardiology & Neurology and Cardiology

Session Chairs: Prof. Francois Lacour-Gayet & Prof. Elena G. Tolkacheva

Elena G. Tolkacheva, University of Minnesota, USA	14:00-14:20	Electrical Burden as a Novel Marker of Atrial Fibrillation Instability and Development of the Complexity AF Score
Akash Ganguly, Warrington & Halton Teaching Hospitals, NHS FT, UK	14:20-14:40	Diagnostic Sensitivity of Unenhanced CT for Cerebral Venous Thrombosis: Can Clot Density Measurement Replace CT Venogram?

Shun Kikuchi,
Nagoya Tokushukai
General Hospital, Japan

14:40-15:00

Impact of high frequency stimulation to confirm a complete box isolation in catheter ablation of non-paroxysmal atrial fibrillation

Lola Xie,
Baylor College of
Medicine, USA

15:00-15:20

Left Ventricular Assist Device Optimization

Qian Li,
Fuwai Hospital, China

15:20-15:40

Postoperative elevated cardiac troponin levels predict all-cause mortality and major adverse cardiovascular events following noncardiac surgery: A dose-response meta-analysis of prospective studies

Refreshment Break (15:40-16:00)

Fengjuan Li,
The First Affiliated Hospital
of Jinan University, China

16:00-16:20

Low-dose Olaparib improves septic cardiac function by reducing ferroptosis via accelerated mitophagy flux

**Danijela Trifunovic-
Zamaklar,**
University Clinical Center
of Serbia, Serbia

16:20-16:40

Cerebral safety evaluation using MRI of the Valvosoft Non-Invasive Ultrasound Therapy for 10 patients with severe symptomatic aortic valve stenosis

Aurora Bakalli,
University Clinical Center of
Kosova, Albania

16:40-17:00

Quadricuspid Aortic Valve and Rheumatoid Arthritis: Is There a Connection?

Panel Discussions & End of the Day

Day-2: June (26, 2024)

Meeting Hall - Zurich

Moderator: Rebecca Byars, *The University of Texas Dell Medical School, USA*

Keynote Talks

Philippe R.G. Henon,
CellProthera SAS, France

09:00-09:30

State of the art of Cardiac cell therapy

Petr Jarolim,
Brigham and Women's Hospital, Harvard Medical School, USA

09:30-10:00

Natriuretic peptides and cardiac troponins as predictors of early stages of heart failure in patients with type 2 diabetes

Jeffrey W. Sall,
University of California, San Francisco, USA

10:00-10:30

Four-day exposure to high altitude prolongs QTc in healthy human subjects

Refreshment Break (10:30-10:50)

Technical Session-III

Theme: Cardiovascular Pharmacology & Diabetes, Hypertension and Obesity

Session Chairs: Dr. Ashraf Youssef & Dr. Jeffrey W. Sall

Thomas Bernd Dschietzig,
Relaxera GmbH & Co. KG, Germany

10:50-11:10

The development of human relaxin-2 for Heart Failure with preserved Ejection Fraction, HFpEF

Shao-Liang Chen Chen,
Nanjing First Hospital, Nanjing Medical University, China

11:10-11:30

Treatment Effects of Pulmonary Artery Denervation for Pulmonary Arterial Hypertension Stratified by REVEAL Risk Score: Results from PADN-CFDA Trial

Xhevdet Krasniqi, University of Prishtina "Hasan Prishtina", Albania	11:30-11:50	Large intercoronary communication between the right coronary artery and the left circumflex artery in patient with late stent thrombosis
Paolo Bonfanti, Valduce Hospital, Italy	11:50-12:10	Extraction of stylet-driven pacing lead for left bundle branch area pacing
Louis Claessens, Catholic University of Leuven, Belgium	12:10-12:30	Pulse wave analysis measurements: important, underestimated and undervalued parameters in cardiovascular health problems
Ha Thanh Nguyen, University of Adelaide, Australia	12:30-12:50	Coronary microvascular dysfunction: Pathophysiology, clinical implications, and potential therapeutics
Ashraf Youssef, Takeda, USA	12:50-13:10	Cardiovascular safety of prucalopride in patients with chronic idiopathic constipation (CIC)

Lunch Break @ Restaurant (13:10-14:00)

Poster Presentations (14:00-14:40)

Closing Ceremony

Poster presentations (14:00-14:40)

Deise Maria Rego Rodrigues Silva, Federal University of Sergipe, Brazil	P-1	Associations between Hypertension and Diabetes Risk: Metabolic Screening in a Brazilian State
Lukasz Stolarczyk, Via Medica Publishers, Poland	P-2	Quality assessment of a scientific journal – an example of Cardiology Journal
Li Yu, Nanjing university of Chinese Medicine, China	P-3	Potential targets for the treatment of MI: GRP75-mediated Ca ²⁺ transfer in MAM
Paolo Bonfanti, Valduce Hospital, Italy	P-4	Extraction of stylet-driven pacing lead for left bundle branch area pacing
Carolina Nunes Franca, Santo Amaro University, Brazil	P-5	Modulation Of Monocyte Subtypes, Chemokine Receptors And Circulating Microparticles After Physical Training In Obese Individuals

VIRTUAL SESSION

Challenges & Advancements in Cardiology:

CARDIO WORLD CONGRESS-2024

June 25 - 26, 2024

at Prague, Czech Republic



Join Zoom Meeting

Meeting ID: 891 3379 8960

Pass code: 924939

Challenges & Advancements in Cardiology:
Cardio World Congress-2024 (WCAC-2024)
June 25 - 26, 2024, At Hotel Duo, Prague, Czech Republic

Virtual Session: June 26, 2024 (Central European Time)

Rafal Ganni, University of Notre Dame, Sydney, Australia	10:30-10:50	Adrenal Medullary Hyperplasia: A systematic review and meta-analysis
Yanchun Hu, The 5th people's hospital of Jinan, China	10:50-11:10	Comparative study of photoplethysmographic waveforms with application of antihypertensive medication in hypertensive patients
Yuan Fu, Sun Yat-sen University, China	11:10-11:30	USP14-mediated NLRC5 upregulation inhibits endothelial cell activation and inflammation in atherosclerosis
Yi Li, No 1 Hospital Of Baoding, China	11:30-11:50	Enhancing Hypercholesterolemia Management: The Promise of Bempedoic Acid
Xiaona Li, Peking University Third Hospital, China	11:50-12:10	SAH and SAM/SAH ratio associate with acute kidney injury in critically ill patients: A case-control study
Gotabhaya Ranasinghe, National Hospital of Sri Lanka, Sri Lanka	12:10-12:30	Spontaneous coronary artery dissection with leucoencephalopathy associated with thrombospondin Type 1 domain containing 1 gene mutation a case report
Saleh Mudawi Alqahtani, King Faisal Medical City for Southern Region, Saudi Arabia	12:30-12:50	Molecular docking analysis of AGTR1 antagonists

<p>Daniela Sorriento, Federico II University – Via Pansini 5, 80131 Napoli, Italy</p>	<p>12:50-13:10</p>	<p>Infiltrating macrophages amplify doxorubicin-induced cardiac damage: role of catecholamines</p>
<p>Giovanni Pallio, University of Messina, Italy</p>	<p>13:10-13:30</p>	<p>Atherosclerosis Plaque Reduction by Lycopene Is Mediated by Increased Energy Expenditure through AMPK and PPARα in ApoE KO Mice Fed with a High Fat Diet</p>
<p>Mirjana Zlatkovic- svenda, Faculty of Medicine University of Belgrade, Serbia; University of East Sarajevo, Foca BiH</p>	<p>13:30-13:50</p>	<p>Antiphospholipid Antibodies and Vascular Thrombosis in Patients with Severe Forms of COVID-19</p>
<p>Vellecco Valentina, University of Naples, Italy</p>	<p>13:50-14:10</p>	<p>Hydrogen sulfide dysfunction in Metabolic Syndrome-Associated Vascular Complications involves cGMP regulation through soluble Guanylyl Cyclase persulfidation</p>
<p>Giuseppina Laganà, University of Messina, Italy</p>	<p>14:10-14:30</p>	<p>Influence of catechins and proanthocyanidins on metabolic syndrome and cardiovascular health</p>
<p>Milos Kojic, Houston Methodist Research Institute, Serbia</p>	<p>14:30-14:50</p>	<p>Toward a coupled heart-lung multiscale multiphysics mechanical model</p>
<p>Vinzenz Mayr, University Hospital Regensburg, Germany</p>	<p>14:50-15:10</p>	<p>Incidence and clinical outcomes of Endocarditis after TAVR – a single center observational study</p>
<p>Pawel Kowalczyk, The Kielanowski Institute of Animal Physiology and Nutrition, Poland</p>	<p>15:10-15:30</p>	<p>The Model of Atherosclerosis Formation in Pig Hearts as a Result of Impaired Activity of DNA Repair Enzymes</p>
<p>Alison McNeilly, The University of Dundee, UK</p>	<p>15:30-15:50</p>	<p>Activation of the Nrf2 pathway offers microvascular protection against recurrent hypoglycemia in type 1 diabetes</p>

<p>Lisa Anderson, St George's Hospital, London, United Kingdom</p>	<p>15:50-16:10</p>	<p>25in25 Summit: reducing heart failure mortality by 25% in the next 25 years</p>
<p>Ashwin Ajay, Wirral University Teaching Hospital, United Kingdom</p>	<p>16:10-16:30</p>	<p>Role of Cardiac MRI in detecting Partial anomalous pulmonary venous return (PAPVR)</p>
<p>Eugene Ichinose, Oklahoma Heart Institute, USA</p>	<p>16:30-16:50</p>	<p>Non-radiation based mechanical thrombectomy for lower extremity deep vein thrombosis</p>
<p>Stefan Peukert, Novartis Biomedical Research, USA</p>	<p>16:50-17:10</p>	<p>Discovery of a safe GIRK1/4 inhibitor for pharmacological cardioversion of atrial fibrillation</p>
<p>Ina Nemet, Cleveland Clinic, USA</p>	<p>17:10-17:30</p>	<p>Gut microbial metabolic pathways as opportunities for new therapeutic strategies in cardiometabolic diseases</p>
<p>Ulka Sachdev, University of Pittsburgh Medical Center, USA</p>	<p>17:30-17:50</p>	<p>Characterizing deficient myoblast fusion in peripheral arterial disease (PAD)</p>
<p>Jeko M. Madjarov, UNC at Chapel Hill, USA</p>	<p>17:50-18:10</p>	<p>Chronic thoracic pain after cardiac surgery: role of inflammation and biomechanical sternal stability</p>
<p>Kim Feingold, Northwestern University, USA</p>	<p>18:10-18:30</p>	<p>Cardioneurology Service: Need of the hour Experience from cardiac transplant centers in the United States</p>