



# 2<sup>nd</sup> INTERNATIONAL CONFERENCE ON CARDIOLOGY

**November 10-11, 2022 | Paris, France**

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## DAY 1 - November 10, 2022

Introduction: 09:45-10:00

### KEYNOTE

10:00-10:40	<b>Title: Continuous remote monitoring shows early cardiovascular changes in COVID-19 patients</b> <b>Arik Eisenkraft</b> , The Hebrew University Faculty of Medicine, Israel
10:40-11:20	<b>Title: Vitamin D and cardiovascular prevention</b> <b>Romero Barbosa</b> , Federal University of San Francisco Valley (UNIVASF), Brazil
11:20-12:00	<b>Title: Anomalous Aortic Origin of a Coronary Artery (AAOCA) – Unraveling the mechanistic implications leading to myocardial ischemia and sudden death</b> <b>Silvana Molossi</b> , Texas Children's Hospital, USA

### PHOTO SESSION (12:00-12:10)

#### Oral Presentations

Sessions: Hypertension | Arterial Revascularization | Heart Failure & Diagnosis | Cardiovascular Research | Cardiovascular Diabetology & Obesity | Stroke | Interventional Cardiology | Pediatric Cardiology | Cardiac Nursing | Heart Transplantation

12:10-12:30	<b>Title: The effect of three component antihypertensive treatment on the structural and functional state of the heart and the daily blood pressure profile in patients with hypertension grade 3</b> <b>Azayeva Nurana Rafail Gizi</b> , Scientific-Research Institute of Cardiology, Azerbaijan
12:30-12:50	<b>Title: Anaortic off pump CABG complete arterial re-vascularization LIMA RIMA Y sequential grafts-My experience</b> <b>Asraful Hoque</b> , National Institute of Cardiovascular Diseases, Bangladesh

### LUNCH 12:50-13:30

13:30-13:50	<b>Title: A cochrane systematic review of ultrafiltration in acute heart failure</b> <b>Mehul Srivastava</b> , University College London, United Kingdom
13:50-14:10	<b>Title: Use levosimendan versus dobutamine when inotropic support is needed in patients with severe acute decompensated chronic heart failure</b> <b>Mykhailo Aristov</b> , Academy of Health Technology Assessment of Ukraine, Ukraine
14:10-14:30	<b>Title: Evaluation of fresh umbilical cord arteries as a novel substitute for vascular bypass grafting</b> <b>Xuan Hai DO</b> , Vietnam Military Medical University, Vietnam
14:30-14:50	<b>Title: The risk related of six-minute walk test performance in Thai childhood obesity aged 5-15 years</b> <b>Worawan Jiitham</b> , Naresuan University, Thailand
14:50-15:10	<b>Title: The effectiveness of anti tachycardia pacing in selected patients with implantable cardioverter defibrillator</b> <b>Hanane Zouzou</b> , University of Batna, Algeria



15:10-15:30	<b>Title: Donation in neonatal asystole with myocardial recovery and subsequent incompatible ABO heart transplant. First combined case in the world</b>
	<b>Jose Angel Zamorano Serrano</b> , Hospital General Universitario Gregorio Marañón, Spain
15:30-15:50	<b>Title: The application of 3D printing in preoperative planning for transcatheter aortic valve replacement: A systematic review</b>
	<b>Paris Xenofontos</b> , College of Medicine and Health, United Kingdom
<b>Refreshment Break 15:50-16:00</b>	
16:00-16:20	<b>Title: Validation of euroscore II cut-off at 12% for active infective endocarditis</b>
	<b>Komkrit Komuttarin</b> , Maharat Nakhon Ratchasima Hospital, Thailand
16:20-16:40	<b>Title: Uric acid: A potential candidate to be a marker of cardiovascular risk</b>
	<b>Benghezel Hichem</b> , Medical Analysis Laboratory, Algeria
16:40-17:00	<b>Title: Efficacy and safety of the atrial septal defect closure for patients with absent or malaligned aortic rim using a figulla flex II device flared and straddling behind the aorta</b>
	<b>Masataka Kitano</b> , Okinawa Prefectural Nanbu Medical Center & Children's Medical Center, Japan
17:00-17:20	<b>Title: Factors associated with heart failure readmissions from skilled nursing facilities</b>
	<b>Elizabeth Abraham</b> , MFMI Medical Center, USA
17:20-17:40	<b>Title: Echinococcosis of the pericardium (case from practice)</b>
	<b>Azatbek Turgunov</b> , Research Institute for Heart Surgery and Organ Transplantation, Kyrgyzstan
<b>DAY 1 - Poster - 17:40-18:00</b>	
SCCP-001	<b>Title: Does the effectiveness of thoracoscopic ablation of atrial fibrillation depend on left atrium volume index?</b>
	<b>Elizaveta Strebkova</b> , A.V. Vishnevskiy National Medical Research Center of Surgery, Russian Federation
SCCP-002	<b>Title: Serum hsCRP and magnesium concentration in type 2 diabetes mellitus patients with or without HIV in Blantyre, Malawi</b>
	<b>Victoria Mukhula</b> , Malawi-Liverpool Wellcome Clinical Research Programme, Malawi
SCCP-003	<b>Title: AV block with DDD pacemaker induced by Search-AV algorithm</b>
	<b>Arturo Martín-Peñato Molina</b> , Hospital Universitario Infanta Sofía; Universidad Europea de Madrid, Spain
SCCP-004	<b>Title: Coronary artery disease presenting as intractable hiccups: An unclear mechanism</b>
	<b>Viren Parmar</b> , Touro University, USA
SCCP-005	<b>Title: Risk factors related to morbidity and mortality in geriatric patients undergoing surgical procedures in Vachira Phuket hospital</b>
	<b>Walaiporn Aroonrat</b> , Vachira Phuket Hospital, Thailand



Day 02: November 11, 2022

## KEYNOTE

**09:30-10:05** Title: 24-hour ambulatory blood pressure measurement using a novel non-invasive, cuff-less, wireless device

**Arik Eisenkraft**, The Hebrew University Faculty of Medicine, Israel

## Oral Presentations

Sessions: Cardiac Pharmacology | Cardiac Surgery | Cardiac Nutrition | Cardiovascular Impact of COVID-19 | Case Reports on Cardiology | Future Medicine | Sports Cardiology | Cardiology Devies | Cardiac Imaging | Dyslipidemia | Cardiac Arrhythmias | Cardiomyopathies

**10:05-10:25** Title: Factor influencing pre-hospital delay among acute ischemic stroke patients in Rajavithi hospital

**Piyanuch Rakchue**, Suratthani Hospital, Thailand

## PHOTO SESSION (10:25-10:35)

**10:35-10:55** Title: Single centre observational study on clinical profile and OCT guided management strategy for patients of young acute coronary syndrome

**Inderjeet Singh Monga**, Command Hospital, India

**10:55-11:15** Title: Mature teratoma in the right ventricle

**Fekede D. Agwar**, Cardiac Center Ethiopia, Ethiopia

**11:15-11:35** Title: Correlation between prediabetes, coronary artery calcification and cardiovascular risk factors: A 5-year retrospective case study

**Thunnawat Wattanaseth**, Kasemrad International Hospital, Thailand

**11:35-11:55** Title: Index of deterioration of patients with prosthetic valve malfunction

**Mohamed ELGhanam**, Ain Shams University Hospital, Egypt

**11:55-12:15** Title: Application of stem cell therapy in cardiac regeneration: Procedures, opportunities, and challenges

**Seyed Siamak Amiri**, Tehran University of Medical Sciences (TUMS), Iran

**12:15-12:35** Title: Arrow cause of angina pectoris: Single coronary artery anomaly in elderly patient

**Asli Goztepe**, Trakya University School of Medicine, Turkey

## LUNCH 12:35-13:35

**13:35-13:55** Title: Initial experience of percutaneous aortic valve implantation at the Dr.Julio Méndez Sanatorium - Diagnosis mediter

**Jorge Alejandro Baldomar Manzur**, Residente de Tercer año de Cardiología, Argentina

**13:55-14:15** Title: Surgical intervention for prevent post-stroke malignant cerebral edema, clinical beneficial outcome aspects

**Panu Boontoterm**, Phramongkutklao Hospital, Thailand



14:15-14:35	<b>Title: Global longitudinal strain measured by 2D speckle tracking echocardiography instable angina patients and their coronary angiographic correlation</b>
	<b>Ajay Adhikaree</b> , Devdaha Medical College & Research Institute, Nepal
14:35-14:55	<b>Title: Ventricular fibrillation in acute coronary syndrome with elevated ST segment: Incidence and predictive factors</b>
	<b>Hanane Zouzou</b> , University of Batna, Algeria
14:55-15:15	<b>Title: Comparison of mean systemic pressure in patients with acute circulatory failure receiving passive leg raising vs pneumatic leg compression</b>
	<b>Panu Boontoterm</b> , Phramongkutklao Hospital, Thailand
15:15-15:35	<b>Title: Management of patient with simultaneous overt gastrointestinal bleeding and myocardial infarction with ST-Segment elevation - Priority endoscopy</b>
	<b>Jakub Nozewski</b> , Nicolaus Copernicus University, Poland
15:35-15:55	<b>Title: Endoleaks after endovascular aneurysm repair by imaging methods</b>
	<b>Fernanda Avalos Aguilar</b> , International University of Ecuador, Ecuador
Refreshment Break 15:55-16:15	
16:15-16:35	<b>Title: Prevalence of frailty in patients undergoing cardiac valve surgery: Comparison of frailty tools</b>
	<b>Gabriela Harada</b> , Heart Institute – The College of Medicine, Brazil
16:35-16:55	<b>Title: Clinical or statistical significance. What matters is the size of the effect</b>
	<b>José Moragrega</b> , Biostatistics and Epidemiology, Mexico
16:55-17:15	<b>Title: A new method for quantifying the contractility of the left ventricular myocardium according to two-dimensional echocardiography</b>
	<b>Eka Dvalishvili</b> , Institute of Cardiovascular Surgery, Russian Federation
DAY 2 - Poster -17:15-17:30	
SCCP-006	<b>Title: Contentious suitability of prior cannulated radial artery as a conduit of choice for CABG</b>
	<b>Aisha Khalid</b> , Harvard Medical School, USA
SCCP-007	<b>Title: Relationship between preoperative cardiac troponin levels and outcome of non-cardiac surgery</b>
	<b>Manthou Panagiota</b> , West Attica University, Greece
SCCP-008	<b>Title: Isolated sinus bradycardia as a cardiac manifestation of covid -19</b>
	<b>Lubna Alruwaili</b> , NGH, Saudi Arabia
E-POSTER	
SCCEP-001	<b>Title: Saline OCT in acute coronary syndrome</b>
	<b>Punish Sadana</b> , Max Superspeciality Hospital, India

SCCEP-002	<b>Title: Comparison of ventricular tachycardia ablation outcome in patients with ischemic and non-ischemic cardiomyopathy: A single centre experience</b>
	<b>Maurice Ilg</b> , Technical University of Munich, Germany
SCCEP-003	<b>Title: Machine learning in myocardial infarction classification using signal detection of ST-segment elevation on electrocardiogram and clinical data</b>
	<b>Diandro Marinho Mota</b> , Dante Pazzanese Institute of Cardiology, Brazil
SCCEP-004	<b>Title: Ablation of ventricular premature complexes in patients with ischemic or dilated cardiomyopathy: A single centre experience</b>
	<b>Maurice Ilg</b> , Technical University of Munich, Germany
SCCEP-005	<b>Title: Investigation of the adherence to prescribed treatment of the patients with coronary heart disease</b>
	<b>Vira Shuper</b> , Bucovinian State Medical University, Ukraine
SCCEP-006	<b>Title: Arterial hypertension in men aged 18-27 years</b>
	<b>Basana Uvarovskaia</b> , City Clinical Hospital, Russian Federation
SCCEP-007	<b>Title: Left atrial dissection following MitraClip: A rare complication</b>
	<b>Nima Yaftian</b> , Monash Health, Australia



# Investigation of the adherence to prescribed treatment of the patients with coronary heart disease

*Vira Shuper*

*Bucovinian State Medical University, Ukraine*

## Abstract:

The **purpose of the study** was to investigate the adherence to secondary prevention medications among patients with coronary heart disease and identify factors associated with it.

**Materials and methods:** We examined 40 patients diagnosed with coronary heart disease of more than 50 years old, who were prescribed with optimal medication for 1 year during hospitalization. Patients' adherence was defined according to MMS-8 Morisky values for secondary prevention medications prescribed by doctors. Also, questionnaires about individual reasons of non-compliance and for individual patient's opinion about importance and usefulness of knowledge according to risk factors of the increase of cardiovascular mortality were designed and proposed to the patients. Simple descriptive statistics were used to elucidate the characteristics of the patient population and results from individual adherence tools. Final score was analyzed and correlation between patients' data and level of adherence to prescribed treatment were identified. A correlation matrix (using Spearman's coefficient) was reviewed for any evidence of collinearity.

**Results and discussion:** Our study demonstrated higher level of non-adherence with secondary prevention medications in patients with coronary heart disease (60.0%). This fact can be explained by the socioeconomic reasons, less informative strategies from the medical staff to the patients. Severe regress of adherence was demonstrated after discharge from the hospital due to subjective improvement of the patients' condition with absence of supervision by out-patient specialists. Demographic characteristics of the patients suggested that some non-modified factors can affect compliance with the prescribed treatment. Better adherence was demonstrated by female married patients with higher educational level, with family history about cardiovascular death. Also, too much prescribed medications with difficult regime of usage with non-adequate out-patient supervision may significantly decrease adherence causing development of complications which may lead to re-hospitalizations and cardiovascular death. Our investigation demonstrated also non-complete information of the patients about lifestyle and medical risk factors of the cardiovascular mortality increase.

**Conclusion:** The results of our study can provide useful practical information on the prevalence and severity of non-adherence among patients with coronary heart disease. Analysis of the factors influencing the adherence demonstrated the main reasons from patients and healthcare professionals affecting the level of compliance with the prescribed treatment. The step towards improving adherence can be initiated by the healthcare professional to overcome the patient's concerns about the prescribed medication. It is important to continue personal monitoring of patients by healthcare professionals in the form of regular inspections of intentional and unintentional non-adherence, including factors and reasons that may change and lead to such behavior.

## Biography:

Vira Shuper graduated from Lugansk State Medical university in 1999, the master degree was achieved in 2000. Scientific work for the PhD degree was completed in 2004 from Crimea State Medical university. She is the associate professor of the department of internal medicine, clinical pharmacology and occupational diseases of Bucovinian State Medical University, Ukraine. She has over 100 publications with citations. She takes part in Ukrainian and international medical conferences and seminars, was invited as a lecturer to Lithuanian University of Health Sciences by the programme of the teaching mobility. She has been serving as a reviewer of several reputed journals.