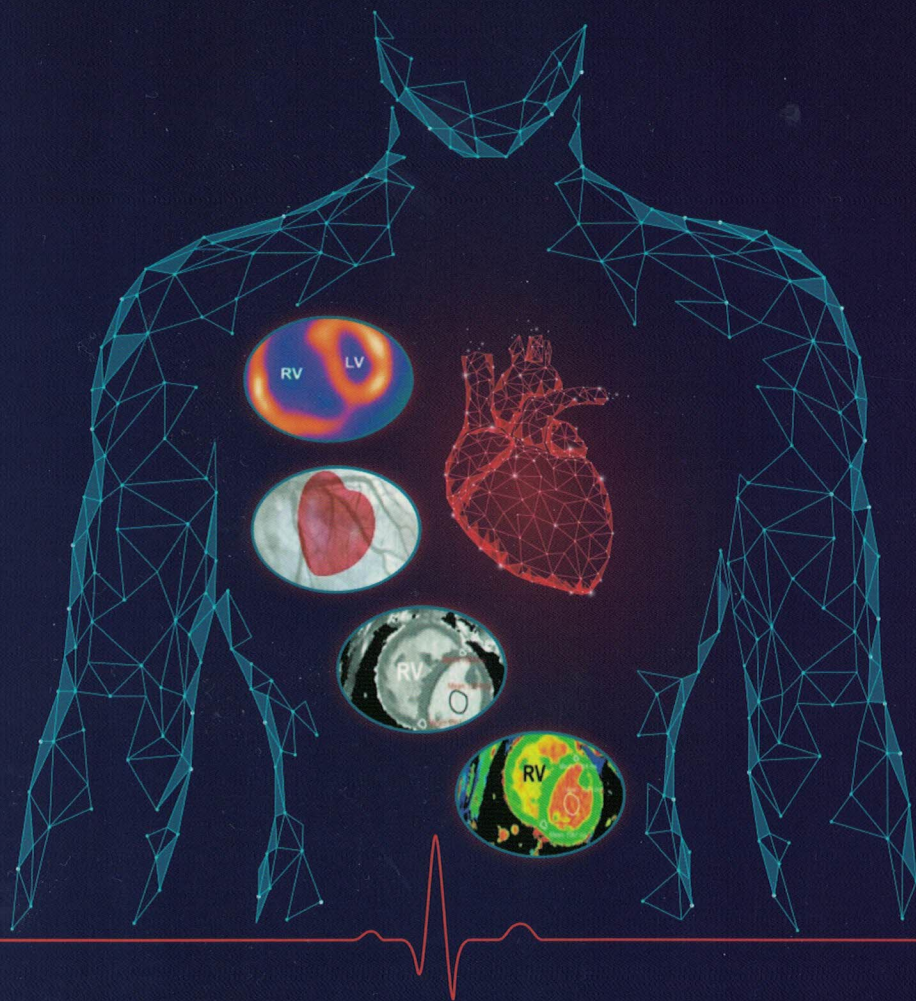




EHRA
European Heart
Rhythm Association
European Society of Cardiology

Symposium with international participation
"HIGHLIGHTS IN CARDIOVASCULAR DISEASES"

ABSTRACT BOOK



**04-06 November 2022,
h. DoubleTree by Hilton, Skopje, North Macedonia**

CONTENT

| | |
|--|-----------|
| WELCOME ADDRESS..... | v |
| COMMITTEES..... | vi |
| ABSTRACTS: | |
| MULTIDISCIPLINARY APPROACH TO CARDIOVASCULAR PREVENTION: CHALLENGES AND CHOICES..... | 1 |
| ORAL POSTER SESSION..... | 5 |
| NONINVASIVE IMAGING IN THE CONTINUUM OF CORONARY ARTERY DISEASE: FROM ATHEROSCLEROSIS TO HEART FAILURE.. | 12 |
| EHRA ENDORSED SYMPOSIUM ATRIAL FIBRILLATION – ABLATION PROCEDURES: PVI– HOW TO START A NEW ABLATION CENTER?.... | 14 |
| ACUTE HEART FAILURE: CHALLENGES AND CHOICES..... | 16 |
| STRUCTURAL AND ENDOVASCULAR INTERVENTIONS: INTERVENTIONAL CARDIOLOGY..... | 19 |
| CHRONIC HEART FAILURE: GUIDELINE APPROACH, IMAGING AND PROGNOSIS..... | 22 |
| CORONARY ARTERY DISEASE: INTERVENTIONAL CARDIOLOGY..... | 29 |
| INTERESTING CASES FROM THE ECHO/VASCULAR LAB..... | 33 |
| NEW GUIDELINES 2021/2022..... | 38 |
| JOIN SESSION OF THE MACEDONIAN SOCIETY OF CARDIOLOGY AND ASSOCIATION OF CARDIO-THORACIS, VASCULAR AND ENDOVASCULAR SURGERY: HIGHLIGHTS IN INFECTIVE ENDOCARDITIS..... | 41 |
| POSTER SESSION..... | 46 |
| AUTHOR INDEX..... | 95 |

COMMITTEES

President of the Symposium

Marjan Bosevski

Scientific Committee

Irena Mitevaska

Jorgo Kostov

Lidija Poposka

Valentina Andova

Elizabeta Srbinovska Kostovska

International Committee

David Jimenez (Spain)

Vasil Traykov (Bulgaria)

Zviad Kipiani (Georgia)

Jadranka Stojanovska (USA)

Hatem Soleman (UK)

Lilly Stojanovska (UAE)

Gianluca Pontone (Italy)

Ahmet Yildiz (Turkey)

Alessia Gimelli (Italy)

Milan Nedeljkovic (Serbia)

INFERIOR WALL MYOCARDIAL INFARCTION AND MYOCARDIAL BRIDGING OF LEFT ANTERIOR DESCENDING CORONARY ARTERY IN A YOUNG PATIENT

G. Kamceva Mihailova¹, S. Nikolov¹, S. Jordanova¹, B. Vasilev¹,
R. Trajkovska¹, S. Dokuzova²

¹Cardiology department

²Internal department - Clinical Hospital – Stip, R.N.Macedonia

Introduction: Myocardial bridging is considered a relatively benign condition, but serious complications such as angina pectoris, myocardial infarction, stress cardiomyopathy, ventricular arrhythmia, and sudden cardiac death can still occur. In rare cases, acute myocardial infarction and myocardial bridging may occur as a distinct feature in one patient. We describe a young man with acute myocardial infarction on inferior wall associated with myocardial bridging of the left anterior descending coronary artery, who was diagnosed and evaluated by electrocardiography, echocardiography, and coronary angiography.

Case report: A 40-year-old man called the emergency room for chest pain, pain in the left upper arm, with difficulty breathing and malaise, for the last three days. His vital signs were: arterial blood pressure TA=140/90mmHg, heart rate SF=98/min, respiratory rate of 18 breaths/min and oxygen saturation 98%. Diagnostic tests included CK=641 (29-200 U/L), CK-MB=84.99 U/L (normal < 25 U/L), and hs troponin=4987.4 ng/mL (0-34.2 ng/mL). ECG: ST-segment elevation in inferior leads. Echocardiography: Normal dimensions of the left ventricle (LVDd=55mm, LVDs=39mm) with proper systolic function and diastolic function with normal kinetics and EF 60%. Hypokinesia of the inferior wall and base of the interventricular septum. Normal dimensions of right ventricle = 24mm, left atrium = 37mm, ascending aorta = 38mm. Mild mitral and tricuspid regurgitation. Coronarography: TRA(r). RD2. LMN: b.o. TIMI 3 LAD: mid massive muscle bridge TIMI 3 Cx: b.o. TIMI3 RCA: mid/dist 100% thrombus, TIMI 3 Intervention (G.C. JR 4.0, 6F; FloppyMS): Thromboaspiration: Eliminate catheter 6F, Noll POBA to RCA mid/dist: balloon 2,5x20mm,12atm, Noll. RESULT: RCA mid/dist 100% →50% TIMI 3.

Conclusion: Diagnosis and appropriate treatment of this pathology are important. The patient was referred to a cardiac surgery facility where coronary artery bypass ACBPx1 (LRA-PDA) was performed, as well as LAD surgical myotomy. Key words: acute myocardial infarction, myocardial bridging, young patient, coronary artery bypass, surgical myotomy