

Special Issue

The Pathophysiology, Diagnostic Approach and Therapeutic Management of Ischemic Heart Disease: From Simple to Complex

Message from the Guest Editors

Coronary artery disease (CAD) still emerges as the leading cause for the development and progression of heart failure (HF). The classic integrative strategy of these pathologies focuses on the use of multiple diagnostic tools: clinical, imaging, and biological, followed by both pharmacological and invasive guideline-directed therapeutic management. Additionally, the complex interplay between CAD and HF is also mirrored by the increasing number of patients presenting with myocardial ischemia and necrosis, but without angiographically significant coronary lesions. In these patients, the pathogenesis as well as the diagnostic and therapeutic approaches are different from CAD with obstructive coronary arteries; therefore, the use of novel techniques is of paramount importance for a timely diagnosis and targeted treatment. Therefore, we aim to depict various pathophysiological, clinical, biological, and therapeutical aspects of both obstructive CAD and myocardial infarction with nonobstructive coronary arteries. We welcome all submissions (original research articles or reviews) related to this topic, with a special focus on novel or innovative diagnostic or therapeutic instruments.

Guest Editors

Dr. Radu-Stefan Miftode

Prof. Dr. Ionela Lacramioara Serban

Prof. Dr. Antoniu Octavian Petris

Prof. Dr. Irina Iuliana Costache

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4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Edgaras Stankevičius
Medical Academy, Lithuanian University of Health Sciences, Kaunas,
Lithuania

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