



Mechanisms, Diagnosis, and Therapy of Microvascular Dysfunction in Heart Diseases: Towards Precision Medicine from Bench to Bedside and Beyond

Guest Editors:

Dr. Domenico D'Amario

Department of Cardiovascular and Thoracic Sciences, Fondazione Policlinico Universitario A Gemelli IRCCS, Rome, Italy

Dr. Francesco Canonico

Department of Cardiovascular Science, Catholic University of the Sacred Heart, Rome, Italy

Deadline for manuscript submissions:

closed (25 December 2021)

Message from the Guest Editors

In the past two decades, coronary microvascular dysfunction (CMD) has emerged as a key feature of many clinical conditions: in some instances, these abnormalities represent epiphenomena, whereas in others, they represent risk markers or be involved in the pathogenesis of myocardial diseases.

According to the classical clinical classification proposed by Crea F and Camici P, CMD can be classified into four types: dysfunction occurring in the absence of epicardial coronary artery and myocardial diseases, dysfunction in the presence of myocardial diseases, dysfunction in the presence of obstructive epicardial coronary artery diseases, and iatrogenic dysfunction. Importantly, these presentations are not at variance and might coexist.

The purpose of this Special Issue is to highlight not only the current knowledge regarding the mechanisms, diagnosis, and treatment of CMD, but also explore putative clinical and biological markers, and evaluate novel therapeutic strategies in this field.





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Emmanuel Andrès

Internal Medicine Department,
University Hospital Strasbourg,
67081 Strasbourg, France

Prof. Dr. Kent Doi

Department of Emergency and
Critical Care Medicine, The
University of Tokyo, Tokyo, Japan

Message from the Editorial Board

There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's (JCM)* staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)

Contact Us

Journal of Clinical Medicine Editorial
Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jcm
jcm@mdpi.com
[X@JCM_MDPI](https://twitter.com/JCM_MDPI)