



## Classification, Diagnosis and Treatment of Coronary Microvascular Dysfunction

Guest Editor:

**Prof. Dr. Alfredo R. Galassi**

Chair of Cardiology, Department of Health Promotion, Mother and Child Care, Internal Medicine and Medical Specialties (ProMISE), University of Palermo, Palermo, Italy

Deadline for manuscript submissions:

**closed (1 October 2022)**

### Message from the Guest Editor

Coronary microvascular dysfunction (CMVD) is an underdiagnosed condition defined by impaired structure and function of microvascular coronary vessels (MCV). CMVD is characterized by capillary rarefaction, inward remodeling of arterioles, impaired vasodilation, and paradoxical vasoconstriction of MCV. Cardiovascular risk factors, cardiomyopathies, inflammation, platelet activation, and autonomic dysfunction may act in coordination to determine CMVD, but not all of them need to be present.

Diagnosis of CMVD could be done via both non-invasive and invasive evaluation of coronary flow reserve (CFR) and through invasive provocative tests for the diagnosis of microvascular vasospasm. CMVD is associated with an increased risk of major adverse cardiac events. Lifestyle changes, risk factor management, anti-ischemic drugs, and aggressive therapy with statins and ace inhibitors are the cornerstone of therapy for CMVD.





an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Emmanuel Andrès**

Internal Medicine Department,  
University Hospital Strasbourg,  
67000 Strasbourg, France

**Prof. Dr. Kent Doi**

Department of Emergency and  
Critical Care Medicine, University  
of Tokyo, Tokyo 113-8655, 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, CAPlus / 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](http://www.mdpi.com)

[mdpi.com/journal/jcm](http://mdpi.com/journal/jcm)  
[jcm@mdpi.com](mailto:jcm@mdpi.com)  
[X@JCM\\_MDPI](https://twitter.com/JCM_MDPI)