

Special Issue

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

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.

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