

## Special Issue

# Coronary Physiology and Microvascular Dysfunction in Ischemia with Non-Obstructive Coronary Arteries: Advances and Challenges

### Message from the Guest Editors

Coronary microvascular dysfunction (CMD) is now widely recognized as a major cause of angina and ischemia in patients without obstructive coronary artery disease (ANOCA/INOCA). Recent advances in coronary physiology have greatly enhanced our ability to identify and characterize CMD. At the same time, non-invasive imaging modalities offer valuable insights into coronary microvascular function and support a more holistic, patient-centered diagnostic approach. Despite these significant advancements, INOCA remains substantially underdiagnosed and undertreated in clinical practice. This Special Issue welcomes original research articles, preclinical studies, comprehensive reviews, and clinical investigations, including both systematic and narrative reviews. We particularly encourage submissions focused on novel diagnostic and imaging approaches, the molecular and cellular mechanisms underlying CMD, therapeutic innovations, and the integration of artificial intelligence into cardiovascular medicine. Of special interest is research advancing precision and personalized approaches to the diagnosis, prevention, and treatment of CMD.

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