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Applied Invasive Coronary Physiology for Tailored Treatment of Coronary Artery Disease

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Message from the Guest Editors

In the past few decades, a great amount of evidence has been collected concerning the role of precise intracoronary invasive physiological evaluation in CAD-related decision making. CAD treatment results regarding safety, efficacy, and cost effectiveness have improved considerably. In line with these developments, current guidelines on coronary interventions emphasize lesion-specific, and in this term, personalized decisions before percutaneous coronary interventions-with the utilization of invasive coronary physiology. However, there are still several open questions in this field, such as identifying the best approach to find appropriate resting and/or hyperemic pressure indices for both the vessel and lesion levels. Similarly, the clinical value of Doppler and thermodilution techniques for the direct assessment of coronary and microvascular flow is also a debated field. At the same time, myocardial microvasculature has come to the forefront of clinical research in order to develop new patient-specific therapeutical options.

In the light of the above advances in personalized evaluation as well as the management of CAD, this Special Issue focus on coronary physiology.



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Message from the Editor-in-Chief

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