



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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