

Special Issue

Coronary Artery Disease: Pathophysiological Mechanisms, Imaging Modalities and Therapeutic Implications

Message from the Guest Editors

In recent years, cardiovascular research has increasingly focused on understanding the mechanisms of coronary pathophysiology and the role of traditional and emerging risk factors in outlining the course of coronary atherosclerosis, with the main aims of preventing atherosclerosis development and avoiding potential clinical consequences of abrupt plaque progression. The advent and implementation of new coronary imaging modalities have given a strong boost to this research, consenting to study in vivo coronary plaque evolution in larger study cohorts, and concurring to explore new determinants in enhancing the atherosclerotic cascade. A deeper knowledge of potential factors able to modulate atherosclerotic processes may be of remarkable relevance for new therapeutic approaches. In this Special Issue, we aim to examine new evidence of coronary artery disease, focusing on pathophysiological mechanisms, conventional and new risk factors and diseases associated with coronary artery disease, invasive and noninvasive atherosclerotic coronary imaging, and new therapeutic targets.

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