

Special Issue

Acute Cardiovascular Care in the Cardiological Intensive Care Unit: What Is New?

Message from the Guest Editors

Acute cardiovascular care in the Cardiological Intensive Care Unit (CICU) has rapidly evolved in the past three years, driven by new evidence, guidelines, and technological innovations. This Special Issue explores emerging strategies for managing critically ill cardiac patients. Recent guidelines, including the 2023 ESC Guidelines on Acute Coronary Syndromes and Cardiogenic Shock, emphasize precise phenotyping and a multidisciplinary care approach. Advances in hemodynamic monitoring (e.g., pulmonary artery catheterization, echocardiographic profiling), early mechanical circulatory support (IABP, Impella, ECMO), and decision algorithms are reshaping management of cardiogenic shock. Trials such as CULPRIT-SHOCK, DANAMI-3, and IABP-SHOCK II continue to inform complex acute coronary syndrome interventions. Risk-adapted reperfusion strategies in pulmonary embolism have gained traction. New frontiers include non-invasive ventilation in acute heart failure, myocarditis phenotyping, and the reclassification of cardiomyopathies based on genetics and inflammation. We welcome original research, reviews, and clinical case studies that reflect these trends in cardiovascular intensive care.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The primary goal of the *Journal of Cardiovascular Development and Disease* (JCDD, ISSN 2308-3425) is to provide cardiovascular scientists a platform to publish their work in a quick and efficient way. Topics can range from studies designed to decipher the events underlying early heart development to studies focusing on the origins of congenital and acquired heart disease. Papers submitted to *JCDD* undergo a fast, yet thorough, peer-review process. In this process, we will apply strict ethical policies and standards. *JCDD* guarantees fast dissemination of results to a large scientific audience.

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