

Special Issue

Cardiac Intensive Care Units: Clinical Advances and Future Challenges

Message from the Guest Editor

In recent years, there has been an unprecedented surge of interest in critical care cardiology. Observational studies and randomized trials have generated new evidence on key topics such as cardiogenic shock, mechanical circulatory support, and invasive hemodynamic monitoring. Although the field is evolving rapidly, several areas of uncertainty persist. These include the detailed phenotyping of cardiogenic shock patients; improved characterization and management pathways for mixed shock phenotypes; the integration of biomarkers, invasive hemodynamic data, and echocardiography into acute care decision-making; the selection of optimal mechanical circulatory support platforms based on refined patient phenotyping; the incorporation of machine-learning approaches into acute cardiovascular care; and the definition of care paradigms guiding the transition to heart replacement therapies. The aim of this Special Issue is to provide a comprehensive and up-to-date overview of acute cardiovascular care while showcasing emerging evidence to challenge current paradigms and inform future research directions. We warmly invite you to contribute to this innovative and forward-looking Special Issue.

Guest Editor

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There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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