

Special Issue

Recent Advances in Left Ventricular Unloading Therapy

Message from the Guest Editor

As the landscape of cardiovascular medicine evolves, novel approaches to LV unloading—including mechanical circulatory support devices, pharmacological interventions, and hybrid strategies—are transforming patient care. The integration of percutaneous ventricular assist devices (VADs), microaxial flow pumps (mAFPs), and emerging technologies such as direct left atrial decompression and active myocardial conditioning has expanded therapeutic possibilities. Additionally, increasing knowledge of the molecular and cellular effects of unloading on myocardial tissue is shaping the development of targeted interventions aimed at reversing heart failure progression.

This Special Issue aims to highlight cutting-edge research that advances our understanding of LV unloading therapy and its clinical applications.

We invite researchers and clinicians to submit original research articles and review papers that contribute to the growing body of knowledge in this field. This special issue aims to foster interdisciplinary collaboration and provide a platform for innovative strategies that improve cardiovascular care and patient outcomes.

Guest Editor

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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