

Special Issue

Current Practices in Cardiovascular Perfusion and Recovery

Message from the Guest Editor

Organ perfusion and recovery have revolutionized transplantation and critical care medicine, offering new opportunities for extending organ viability, improving functional recovery, and optimizing patient outcomes. Advances in ex vivo perfusion technologies, ischemia–reperfusion injury mitigation, and bioengineering approaches have significantly impacted clinical decision-making and organ utilization. This Special Issue aims to highlight current practices, challenges, and future directions in organ perfusion and recovery across multiple organ systems, including the heart, lungs, liver, and kidneys. We invite contributions that explore novel perfusion techniques, machine perfusion strategies and metabolic insights into organ recovery and emerging therapeutic interventions. Clinical and experimental research, as well as expert reviews and technical innovations, are welcomed to provide a comprehensive overview of the state of the field.

Guest Editor

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Deadline for manuscript submissions

28 November 2025



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/235233

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