

Special Issue

Extracorporeal Membrane Oxygenation (ECMO): New Insights and Future Directions

Message from the Guest Editor

Extracorporeal membrane oxygenation has become increasingly prominent over the previous four decades. Over the last several years especially, there has been accelerated awareness and growth in interest in applications including ARDS, cardiogenic shock, cardiac arrest, pulmonary embolism, and beyond.

While there is clearly increasing interest in the field, significant knowledge gaps remain. These include the need for more accurate prediction models, identification of molecular and biologic markers for pathophysiologic mechanisms, and defining the role of adjunctive therapies. Additionally, innovation will play a role, as improvements to cannulas, oxygenators, pumps, and circuits have the potential to transform the way that ECMO is delivered.

As such, this Special Issue is calling for abstracts geared towards new insights and future directions. The scope of this Special Issue is to focus on gaps that exist in the field of extracorporeal support. Potential areas of interest include novel clinical applications, prediction models, innovative applications of technology, blood purification, mechanistic approaches, novel strategies for rehabilitation, and long-term outcomes.

Guest Editor

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Deadline for manuscript submissions

closed (30 May 2025)



Medicina

an Open Access Journal
Published by MDPI

Impact Factor 2.4
CiteScore 4.1
Indexed in PubMed



mdpi.com/si/194651

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