



Veno-Venous Extracorporeal Membrane Oxygenation (ECMO): Future Application in the Critical Care and Anesthesia

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Message from the Guest Editors

Dear Colleagues,

The role of extracorporeal membrane oxygenation (ECMO) support for patients with acute respiratory failure is evolving, particularly due to the recent COVID-19 pandemic. The recent COVID-19 emergency has placed an unprecedented burden on hospital resources, with a massive influx of patients requiring intensive care. This wave of critically ill patients has challenged healthcare systems around the world and prompted physicians to improve their skills in managing respiratory support, including the application of ECMO.

The evaluation of this potential shift in ECMO application is crucial to ensure the best outcomes for patients with acute respiratory failure. By analyzing the evolving role of ECMO in the management of acute respiratory failure, healthcare professionals can determine the most effective and appropriate use of this life-saving therapy.

This Special Issue highlights the importance of assessing and understanding the evolving landscape of ECMO application as a rescue therapy for severe acute respiratory failure and its potential implications for future clinical practice and anesthesia field.





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