



Risk Factors and Outcomes of Extracorporeal Membrane Oxygenation (ECMO)

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Message from the Guest Editor

Dear Colleagues,

Extracorporeal membrane oxygenation (ECMO) has gained popularity as a rescue tool in severe circulatory and/or respiratory failure. Various ECMO modalities are applied to bridge patients in critical states, yet evidence regarding the effectiveness of these modalities is missing in the literature. The application of ECMO entered a new stage during the SARS-CoV-2 pandemic. The nature of COVID-19-related severe pneumonitis and ARDS changed a paradigm of mechanical ventilation, with the stress factors and inflammation of the endothelium leading to novel findings in ECMO-related coagulation and homeostatic side effects. In this Special Issue, we plan to gather up-to-date publications on important ECMO-related complications as well as on factors outlining the prognosis of patients.

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