

## Special Issue

# New Advances in Extracorporeal Membrane Oxygenation (ECMO)

### Message from the Guest Editor

ECMO centers provide the clinical care that is needed in order to provide patients with hope and the opportunity to live beyond hospital discharge. Nurses, ECMO specialist, perfusionists, respiratory therapists, physicians and surgeons pursue advances in clinical care and research, devoting immense amounts of effort to this endeavor. Recent evidence mapping based on systematic reviews highlights the need for large-sample, multi-center, and multinational trials to strengthen the evidence base for ECMO. Centers that would like to lead this path should incorporate the following: embracing technological improvements, such as enhanced biocompatibility in extracorporeal surfaces to allow the continual expansion of ECMO applications; addressing the challenges of patient selection and the management of anticoagulation and neurological complications, critical for improving ECMO outcomes; promoting global collaboration to share knowledge and standardize ECMO practices, as diverse contributions can lead to a more comprehensive understanding and application of ECMO; a focus on a patient-centered approach that considers the individual needs and circumstances of each patient undergoing ECMO.

### Guest Editor

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