

## Special Issue

# Acute Respiratory Distress Syndrome (ARDS): Causes, Management, and Treatment

### Message from the Guest Editors

Acute respiratory distress syndrome (ARDS) is an acute life-threatening condition resulting from pulmonary causes (e.g., infective, aspiration pneumonia) or extra-pulmonary causes, (e.g., sepsis, trauma, massive transfusion, pancreatitis). Even though ARDS is one of the clinical disorders that occurs in critical care the most frequently, the mortality rate is still remarkably high (40%). From an anatomical point of view, ARDS is associated with capillary endothelial injury and diffuse alveolar damage, resulting in a derangement of blood gas exchange and stiff lungs. Despite the advance in the knowledge of its pathophysiologic mechanisms, ARDS treatment mainly consists of supportive cares—from lung-protective ventilatory strategies and pronation up to extracorporeal membrane oxygenation (ECMO) support—and the management of the underlying causes. In this Special Issue, we welcome authors to submit papers dealing with the clinical presentation, the assessment and the management of the ARDS in order to better understand its progression and improve the patient's clinical outcomes.

### Guest Editors

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### Deadline for manuscript submissions

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