

Special Issue

Acute Respiratory Distress Syndrome: Gaps and Knowledge of the Clinical Approach

Message from the Guest Editor

Dear colleagues, In this special issue regarding acute respiratory distress syndrome (ARDS), many fields are covered: 1) epidemiology (incidence, management outcomes, mortality); 2) pathophysiology; 3) diagnosis considerations; 4) recent notions on clinical management; 5) new treatments such as mesenchymal stem cells that highlight the new phenotypes of ARDS. We report the fundamentals of mechanical ventilation, neuromuscular blockade, pharmacological management, and possible post-ARDS complications such as multi-organ failure, pneumothorax, pulmonary fibrosis, and ventilator-associated pneumonia. It also considers the commonalities between ARDS and COVID-19 and their relative distinctions with COVID-19 which is caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), including well-researched clinical trials. It improves the clinical approach of ARDS by highlighting controversies and new research on various topics, reducing gaps by improving the knowledge of clinical characteristics and pathological mechanisms, and suggesting future options.

Guest Editor

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