



Diagnosis and Management of Acute Respiratory Distress Syndrome in the ICU

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Message from the Guest Editor

Current medical practice is moving toward precision medicine. Advances in our understanding of the pathophysiology of ARDS have enabled the identification of clinical subphenotypes, the development of tailored therapies, and a more accurate prediction of prognosis.

Ever since the first reports, ARDS was identified as a heterogeneous syndrome, associated with variable mechanical and gas exchange disturbances. This clinical and biological heterogeneity contributes substantially to the complex management of the syndrome. Although the standard treatment remains mechanical ventilation support, several adjuvant or rescue therapies have been proposed over the years. A tailored strategy of lung recruitment and protective mechanical ventilation should be promoted, informed by bedside physiology and supported by recently published data.

This Special Issue aims to improve the clinician's approach to diagnosis, management, and the prediction of prognosis for patients with ARDS.





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