## COVID-19 Respiratory Support: Current Concept and Emerging Trends

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### Message from the Guest Editor

The COVID-19 pandemic has exposed healthcare systems worldwide to a massive influx of patients with respiratory failure requiring respiratory support. Thus, many challenges arose at the same time: characterization of this new disease, delivery of adequate respiratory support, while facing major constraints such as risk of contamination and shortages of ICU beds, respiratory support devices, oxygen, and caregivers able to deliver ventilatory assistance. After two years of the pandemic, this prolific research has significantly improved our knowledge of the pathophysiology of respiratory failure during COVID-19, generated hypotheses regarding the personalization of non-invasive and invasive respiratory support, and provided innovative solutions to address a massive influx of patients. It is therefore important to review current concepts and emerging trends regarding ventilatory support during COVID-19. This Special Issue aims to cover all aspects of respiratory assistance during COVID-19 with original information, especially in the field of pathophysiology and clinical applications, but also in technological, organizational, and training innovations.

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Special Issue

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