

Special Issue

Enhancing Mechanical Ventilation and Lung Monitoring in Intensive Care Units: Strategies for Optimization

Message from the Guest Editors

In the last few years, many new ventilatory strategies have been suggested for patients undergoing mechanical ventilation in ICUs. Moreover, new diagnostic, non-invasive tools have been developed, such as ultrasound or electrical impedance tomography. These have facilitated a better understanding of the pathophysiology of respiratory failure and provided opportunities to improve the clinical management of ICU-housed, ventilated patients. In this Special Issue we would like to collect papers focusing on novel ways of implementing mechanical ventilation in ICUs, not only focusing on the ventilatory aspect (i.e. new ventilatory modes), but evaluating all the crucial procedures performed on ventilated patients (e.g., respiratory monitoring, sedation, secretion removal, VILI and P-SILI reduction, muscle monitoring, and respiratory physiotherapy). Therefore, we invite you to submit original papers, commentaries, and meta-analyses in order to contribute to improve the management of ICU-housed, ventilated patients.

Guest Editors

Dr. Gaetano Scaramuzzo

1. Department of Translational Medicine and for Romagna, University of Ferrara, 44124 Ferrara, Italy
2. Anesthesia and Intensive Care Unit, Emergency Department, Azienda Ospedaliera Universitaria Ferrara, 44124 Ferrara, Italy

Dr. Savino Spadaro

Department of Translational Medicine, University of Ferrara, 44121 Ferrara, Italy

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Journal of Clinical Medicine
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcm@mdpi.com

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