

Advances in critical emergency medicine during COVID19 pandemic

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Critical care medicine and emergency medicine are distinct disciplines that share common features. Resuscitation and emergency care for life-threatening conditions represent the cornerstone of critical emergency medicine. In this setting, the concept of tangent circles seems very relevant and might explain the similarities between emergency medicine and intensive care regarding their content and required skills. COVID19 pandemic highlighted the need for multidisciplinary teams with appropriate training to care for critically ill patients, both in the emergency department and the intensive care unit.

The unprecedented challenges posed to healthcare systems worldwide due to the pandemic have led to numerous changes in terms of organization and practice of acute medicine. Furthermore, novel therapeutic approaches are emerging while other established treatments are being reconsidered. It is very important to identify these advances and to study their effect on patient outcomes.

This special issue aims to focus on the emergency department and the intensive care unit during the COVID19 pandemic. We seek to discuss new strategies, novel and old treatment options for critically ill patients and other perspectives such as organizational aspects, education and diagnostic algorithms. Our ultimate goal is to investigate the impact of this healthcare crisis on the future of critical emergency medicine.

Keywords: critical emergency medicine, covid19, ARDS, artificial intelligence, triage

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