

The Impact of COVID-19 Pandemic on Critical Healthcare System**Guest Editor****Prof. Yao-Chin Wang, MD, PhD**

Graduate Institute of Injury Prevention and Control, College of Public Health, Taipei Medical University, Taipei; Department of Emergency Medicine, Min-Sheng General Hospital, Taoyuan, Taiwan

Interests: Emergency Medicine, Bioinformatics, Injury Prevention and Control
Email: vwang8888@yahoo.com.tw

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Coronavirus disease 2019 (COVID-19) is a serious infectious disease caused by a newly coronavirus called Severe Acute Respiratory Syndrome coronavirus 2. The World Health Organization has announced that COVID-19 is a pandemic and has now become an international public health emergency. In the advent of COVID-19 pandemic since December 2019, health professionals, policy makers and governments have been struggling to fight against it. By the end of April 2021, there are over 140 million people infected and over 3 million people had died because of COVID-19 worldwide. As a result, healthcare systems around the world have faced unprecedented challenges.

All aspects of clinical practice and fundamental research at the basis of anesthesia, intensive care, and emergency medicine regarding COVID-19 are welcomed. Innovative contributions in the field of deep learning and other machine learning approaches for detecting, assessing and predicting the outbreak of COVID-19 virus are encouraged for submission. Moreover, there is still little knowledge on how the vaccines have influenced and will influence patient outcomes in the short and long run.

Papers addressing related to these topics are invited for this Special Issue. Authors are welcome to submit original research, review article, case report and service evaluation related to any of these aspects.

Keywords: COVID-19, emergency medicine, intensive care, healthcare system

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