

COVID-19 in the Emergency Department: Epidemiology and changes throughout the pandemic

The unprecedented impact of the COVID-19 pandemic has prompted a massive production of clinical research. However, many questions remain unanswered. In this regard, there are several limitations that hinder patient management in the emergency department, a cornerstone of hospital care for COVID-19 patients. Common problems in clinical practice include logistics and triaging of patients with non-specific symptoms, early identification of high-risk patients who should require hospital admission and more aggressive therapeutic approaches, or detection of associated complications such as pulmonary embolism. Changes in virus dynamics over time limit our understanding and ability to predict these clinical concerns in real-world practice. In this context, advanced statistics and artificial intelligence models have shown promising potential to assist specialists involved in patient management in the emergency department. However, there is significant variability and limitations depending on the methodologies, purposes and populations from which data are obtained.

This special issue focuses on exploiting epidemiological data of patients admitted to the emergency department due to suspected or confirmed COVID-19 infection with the aim to further our understanding of the dynamics of the virus and aid patient management in the emergency department. Notable interest topics include but are not limited to disease prevalence, diagnosis, laboratory and radiological findings, clinical management, complications and mortality. Conventional statistics and artificial intelligence methods analyzing differences between patients with overlapping symptoms, predicting patient outcomes, or assisting emergency specialists in decision-making regarding particular clinical questions which arise in daily practice are especially encouraged. In addition, studies tracking changes at different stages of the pandemic are of particular interest to gain insight into the clinical variability of COVID-19.

We welcome original articles, reviews and commentaries focused on the subject. The goal is to gain a longitudinal perspective on the challenges of the pandemics in the emergency department: how it started, the status quo and what can we expect with increasing vaccination across different countries.

COVID-19 in the Emergency Department: Epidemiology and changes throughout the pandemic**Guest Editor****Dr. Antonio J. Láinez Ramos-Bossini**

Emergency radiologist, Department of Radiology, Virgen de las Nieves University Hospital, Granada. Spain; Collaborating professor, department of Radiology and Physical Medicine, University of Granada, Spain; Co-leading researcher of the ‘Artificial Intelligence Applied to the Diagnosis and Prognosis of COVID-19’ project at the Distributed Computational Intelligence and Time Series Lab, University of Granada, Spain. <https://dicits.ugr.es/covid19/>

Interests: Emergency radiology, Artificial intelligence, COVID-19, Epidemiology, Medical education

Email: ajbossini@ugr.es

Website: <https://scholar.google.com/>

Deadline: 20 February 2022

Submission: <https://js.signavitae.com/ch/author/login.aspx>



AISD
Italian Association for the Study of Pain



Hellenic Society of Pain Management
and Palliative Care

Cooperative
Association/Society



Ukrainian Society of Regional
anaesthesia and pain medicine

Le CMAR Club des Médecins
Anesthésistes Réanimateurs

www.signavitae.com

Signa Vitae

Impact Factor: 0.338

Print ISSN: 1334-5605

Online ISSN: 1845-206X

©2020 MRE Press. All rights reserved



Scopus Preview

