

AI Era: The Need for Artificial Intelligence to Help Improve Anesthesia, Intensive Care, and Emergency Medicine Workflow

Explainable artificial intelligence is attracting much interest in medicine. Artificial intelligence is a branch of computer science capable of analysing complex medical data. Their potential to exploit meaningful relationships within a data set can be used in the diagnosis, treatment and predicting outcome in many clinical scenarios. However, the impact of artificial intelligence on clinical practice, anesthesia, and emergency medicine is undeniable.

Among the many immediate health care considerations that Anesthesia, Intensive care, and Emergency Medicine have presented across the globe, approaching the essential needs of using Artificial intelligence: Algorithms, Systems, and Applications to treat underserved health problems in this field has been recognized as a global health priority.

Developing intelligent systems over Anesthesia, Intensive care, and Emergency Medicine to the public and specialist faces new challenges, and the understanding effect of AI algorithm design, distributed computing optimization, soft computing mechanisms, and system implementation in this field is essential. The transfer of knowledge between Artificial intelligence and Anesthesia, Intensive care, and Emergency Medicine is considered a multidisciplinary field, and complex problems or open challenges can be solved by using different AI techniques.

As a result, the goal of this special issue is to serve as a forum for researchers and practitioners to present their latest research findings and engineering experiences in the theoretical foundations, empirical studies, and novel applications of Anesthesia, Intensive care, and Emergency Medicine for next-generation intelligent systems. Topics Papers are invited in theory, algorithms, systems, and applications of various AI tasks to establish the latest efforts of the research in this area. Also, Telemedicine AI applications in Anesthesia, Intensive care, and Emergency Medicine can be included.

The Editor encourages scientists and academicians all around the world to share their original writings in the form of original research, review, mini-review, systematic review, short communication, case report, letter to the editor, commentary, rapid report, news, and views.

Guest Editor**Dr. A.S. Albahri (Ahmed Shihab Albahri)**

Associate Dean for Scientific Affairs at Informatics institute for postgraduate studies (iips)/ Iraqi Commission for Computers and Informatics (icci). Baghdad, Iraq; Senior Lecturer at University of Information Technology and Communications (UPSI). Baghdad, Iraq

Interests: Expert System, Multi-Criteria Decision Making (MCDM), Artificial Intelligence, and Information Security in Medical Informatics and clinical practice. Healthcare services and telemedicine also included.

Email: ahmed.bahri1978@gmail.com; ahmed.bahri1978@iips.icci.edu.iq

Website: <https://scholar.google.com/citations?user=VOVeIgkAAAAJ&hl=en>

Deadline: 01 November 2021

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



Cooperative
Association/Society



www.signavitae.com

Signa Vitae

Impact Factor: 0.338

Print ISSN: 1334-5605

Online ISSN: 1845-206X

©2020 MRE Press. All rights reserved

