



The Effectiveness of Healthcare 4.0 and the Improvement of Management Approaches in Healthcare Services

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Message from the Guest Editors

Dear Colleagues,

One of the challenges faced by the healthcare sector in its ongoing effort to improve the quality of care is the constant need for innovative tools to enhance the healthcare experience. To this end, digital technologies related to Healthcare 4.0 and improved management approaches are increasingly utilized, separately or together, as healthcare interventions. We are particularly interested in the benefits and challenges associated with Healthcare 4.0, as well as its effects on patients, staff, resources, and the healthcare service overall. Empirical and theoretical research is welcome, including, but not limited to:

- The use and future of Healthcare 4.0, including technologies such as simulation, automatization,
- artificial intelligence, big data analytics, block chain, robotics, and the internet of things.
- Case studies of improvement approaches, including Lean and Six Sigma.
- Applications of electronic medical records and health information systems.
- Innovative approaches to Healthcare 4.0 and intervention improvement in healthcare.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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