



Applications of Artificial Intelligence in Medicine Practice

Guest Editors:

Prof. Dr. Kyungtae Kang

Department of Artificial
Intelligence, Hanyang University,
Ansan 15588, Republic of Korea

Dr. Junggab Son

Department of Computer
Science, Kennesaw State
University, Marietta, GA 30060,
USA

Dr. Hyo-Joong Suh

School of Computer Science and
Information Engineering, The
Catholic University of Korea,
Bucheon 14462, Korea

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Message from the Guest Editors

Dear Colleagues,

The development of new artificial intelligence (AI) methods based on machine learning and deep learning have a good application in the practice of medicine. Sophisticated AI algorithms can learn features from a large volume of healthcare data and can subsequently incorporate the obtained insights for assisting in clinical practice. In addition, self-correcting abilities enhance the accuracy of the algorithm on the basis of feedback. Consequently, an AI-based healthcare support system can assist physicians for administering proper patient care and can thereby help in reducing diagnostic and therapeutic errors that are inevitable in human-based clinical practice. Furthermore, such an AI-based system can derive useful information from the data of a large patient population to assist in making real-time inferences associated with health risk alerts and health outcome predictions.

In this Special Issue, we solicit original articles from a wide variety of interdisciplinary perspectives concerning the theory and application of AI in medicine, medically-oriented human biology, and healthcare.





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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