Intelligent Diagnosis and Decision Support in Medical Applications

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Message from the Guest Editors

Medical decision support systems assist health professionals in diagnoses, intervention/treatment planning, outcome predictions, as well as the identification of potential risks. The interest in intelligent methods is to increase the efficiency and accuracy of medical decision making, leading to better patient outcomes, particularly in the era of big and complex data analysis. Machine learning and soft computing tools offer the ability to process large amounts of data, as well as incomplete or conflicting data, efficiently and accurately, which is particularly important in critical medical decision making.

This Special Issue will be dedicated to current trends in intelligent models for diagnosis/differential diagnosis and medical decision support.

Keywords

artificial intelligence in diagnosis/differential diagnosis

clinical decision support

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complex data analysis

soft computing

Special Issue

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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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