Special Issue

Artificial Intelligence Advances for Medical Computer-Aided Diagnosis—2nd Edition

Message from the Guest Editor

A computer-aided diagnosis (CAD) system involves various stages such as detection, segmentation and classification. Over the last few decades, computer-aided diagnosis systems have become a part of clinical practice. They have the potential to assist clinicians in daily diagnostic tasks. The image processing techniques are fast, repeatable and robust, which helps physicians detect, classify, segment and measure various structures. Medical experts rely on medical imaging modalities such as computed tomography (CT), microscopic blood smear images, magnetic resonance imaging (MRI), X-ray and ultrasound (US) to diagnose health challenges and assign treatment prescriptions. Researchers and developers are able to deliver smart solutions for medical imaging diagnoses thanks to the AI-based potential functionalities of machine learning and deep learning technologies. In this Special Issue, we will cover original articles, short communication and reviews related to various deep learning techniques and computer-aided diagnoses for biomedical systems.

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