

Special Issue

Artificial Intelligence in Clinical Medical Imaging Analysis

Message from the Guest Editor

Artificial intelligence (AI) has generated tremendous global attention in recent years. Compared with traditional methods, AI has emerged as a major frontier in healthcare. It has been widely applied to medical imaging analysis to revolutionize the current procedures for disease diagnosis and treatment. Indeed, it has shown excellent performance to identify imaging abnormalities that are not easily amenable to human identification. Previous evidence has also shown that AI models have outperformed radiologists in disease screening. The performance of AI models clearly demonstrates that AI can improve work efficiency and enable radiologists to be more productive. AI-based tools would undoubtedly be mainstream tools for typical medical imaging analysis tasks such as diagnosis, segmentation, or classification. The aim of this Special Issue is to assess the diagnostics accuracy of AI techniques (deep learning/machine learning) for disease diagnosis/detection using medical imaging analysis.

Guest Editor

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