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Artificial Intelligence for Clinical Application

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Message from the Guest Editors

Artificial intelligence (AI) offers a variety of advantages over traditional analytics and clinical decision-making techniques. Deep learning (DL) based algorithms can become more effective and accurate as they interact with training data, allowing professions to gain unprecedented insights into diagnostics, care processes, treatment variability, and patient outcomes.

This Special Issue aims at supporting decision-based medical tasks through Artificial intelligence-based solutions that ultimately support and improve the performance of a human care provider. Papers must refer to real-world medical domains, considered and discussed at the proper depth, from both the technical and the medical points of view. The inclusion of a clinical assessment of the usefulness and potential impact of the submitted work is strongly recommended. Original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

Computer Aided Diagnosis

Radiomics

Image Segmentation

Image Registration

Surgical Applications

Clinical Reports Generation

Robotics and AI

Biomedical Time series analysis and forecast

Federated learning



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Special Issue



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Message from the Editor-in-Chief

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