Machine Learning-Aided Medical Image Analysis

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Message from the Guest Editors

The aim of this Special Issue, titled "Machine Learning-Aided Medical Image Analysis", is to showcase the latest advances in machine learning technologies that push the boundaries of medical image analysis. We invite contributions demonstrating the innovative use of machine learning approaches across various tasks in medical imaging. This includes, but is not limited to, image classification, semantic or instance segmentation, the development of interpretable artificial intelligence (AI)-based systems, radiomics-based image analysis, and the application of robust pre- and post-processing techniques to boost diagnostic accuracy and efficiency. Moreover, submissions exploring novel applications of machine learning in emerging imaging modalities, interdisciplinary studies combining ML with other fields (e.g., genomics, pathology), and studies focusing on the ethical considerations of using artificial intelligence in medical imaging are also welcome.

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Special Issue

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Message from the Editor-in-Chief

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