

Special Issue

Radiomics and Machine Learning for Medical Imaging

Message from the Guest Editor

Radiomics is an emerging field that focuses on the extraction of quantitative features from radiological images to predict clinical outcomes. Deep learning algorithms can be trained to analyze large amounts of imaging data, identify subtle patterns, and generate predictive models that can be used to facilitate clinical decision making. The integration of radiomics with deep learning has the potential to revolutionize radiology by improving diagnostic accuracy, enabling personalized treatment, and facilitating the development of precision medicine. Radiomics and deep learning have already shown promising results in cancer diagnosis and treatment planning, but there are still challenges to be addressed, e.g., to standardize radiomic features, to optimize deep learning algorithms, and to deploy these tools into clinical practice. Despite these challenges, radiomics and deep learning present exciting opportunities for innovation and progress in radiology, and we encourage the submission of papers that consider innovative approaches in this field for this Special Issue.

Guest Editor

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