



## Applications of CT Scans to Quantitative Imaging and Precision Medicine

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### Message from the Guest Editor

CT imaging is now widely used in clinical disease diagnosis, treatment planning and patient positioning in radiation therapy, and preclinical imaging of various animal models. The new era of CT imaging has been undergoing a paradigm shift from anatomy-based methods to quantitative and prognostic diagnosis imaging. The integration of modern CT imaging with advanced computing tools such as radiomics and machine learning has made individualized medicine a potentially attainable goal. However, challenges and technical difficulties remain. These issues include access to the diverse and huge data sets from multiple healthcare institutions and independent clinical validation of predictive models. We cordially invite contributions on CT-related research from scientists and clinical physicians across diverse fields.





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