

Special Issue

Advances in Brain Magnetic Resonance Imaging for Human Disorders

Message from the Guest Editors

Brain magnetic resonance imaging (MRI) is a highly useful modality that noninvasively provides brain structures and signal intensities with a high spatial resolution. In the general clinical setting, the characteristics of brain MRI were visually assessed, while the recent advances in quantitative morphometric pipelines enabled the automatic comprehensive measurements of cortical and subcortical structures and white matter pathways on MRI images. These novel approaches have potentially helped to enhance clinical diagnoses, discover pathophysiological mechanisms, and identify neuroimaging-based biomarkers in various disorders. In this Special Issue, we look forward to receiving original articles, reviews, and short communications highlighting clinical research on brain MRI in patients with congenital genetic disorders, chromosomal disorders, neurodevelopmental diseases, psychological disorders, perinatal disorders, and systemic disorders (such as endocrinologic disorders, autoimmune disorders, and malignant disorders). We also welcome receiving original articles on novel statistical approaches or methodological technologies of brain MRI.

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