Special Issue

Neuroimaging of Cerebrovascular Diseases

Message from the Guest Editor

Neuroimaging plays a crucial role in the diagnosis and prognosis of cerebrovascular diseases. Imaging techniques such as MRI and CT have significantly advanced the diagnosis of cerebrovascular diseases by providing high-resolution images of cerebral structures and vasculature. Advanced imaging techniques such as Diffusion Weighted Imaging (DWI), Diffusion Tensor Imaging (DTI), Perfusion Weighted Imaging (PWI), Arterial Spin Labeling (ASL), Susceptibility Weighted Imaging (SWI), vessel wall imaging, and Positron Emission Tomography (PET) enable detailed assessment of cerebral structure and function. Functional MRI (fMRI) and positron Emission Tomography (PET) can also provide insights into the metabolic and functional status of brain regions affected by vascular disease. Artificial intelligence (AI) and machine learning are being integrated into imaging analysis, enhancing the speed and accuracy of diagnosis. This special issue aims to provide an overview of recent advances in the neuroimaging of cerebrovascular diseases.

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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