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Ischemic Brain Injury: Cerebral Metabolism and Imaging

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Message from the Guest Editor

Ischemic brain injury, which is mainly attributed to a decrease in cerebral blood flow (CBF) into the brain, is dominantly known as acute ischemic stroke and also exists in other CNS diseases.

Imaging techniques are valuable and necessary for monitoring these changes. These include laser Doppler blood flow monitoring, two-photo confocal imaging, color ultrasound imaging, laser speckle contrast imaging (LSI), magnetic resonance imaging (MRI), positron emission tomography (PET), single-photon emission computed tomography (SPECT), imaging mass spectrometry (IMS), etc. Helped by imaging, it is possible to measure ischemic changes such as CBF, microvasculature, and tissue/cellular metabolism in vitro and in vivo.

This Special Issue is highlighting cerebral vascular regulation, metabolism, and imaging after ischemic injuries that exist in associated CNS disorders.

There are total of seven papers now.



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Special Issue



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Message from the Editor-in-Chief

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