

Special Issue

Ischemic Stroke: Current and Emerging Treatment Strategies

Message from the Guest Editors

Stroke remains one of the leading causes of death and disability worldwide, with no effective neuroprotective treatments available beyond specialized care in the stroke unit. Recanalization through thrombolysis and/or mechanical thrombectomy has been shown to improve clinical outcomes for approximately 30% of patients with acute ischemic stroke. However, only about 15% of stroke patients meet the criteria for these treatments and, among those who do achieve successful recanalization, approximately 70% continue to experience significant disabilities or die. This Special Issue aims to explore novel pharmacological therapies for ischemic stroke that target alternative pathophysiological mechanisms beyond reperfusion. Authors are invited to submit original research and review articles on preclinical and clinical findings that contribute to a better understanding of the pathophysiological mechanisms of stroke as potential therapeutic targets. The proposed topics include neuroprotective agents, stem cell therapies, immune and inflammatory modulation, and innovations in rehabilitation and neurorepair.

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Editor-in-Chief

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