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Stroke, Cognition and Dementia

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Message from the Guest Editors

Stroke is the second leading cause of death and the third most common cause of disability worldwide. Post-stroke cognitive impairment (PSCI), including attention, memory, executive functioning and information processing deficits, is one of the major clinical features of functional impairment after stroke. PSCI affects long-term quality of life and notably is linked with post-stroke vascular dementia. Despite the growing health, social, and economic burden of PSCI, compared to post-stroke physical impairments, treatment for PSCI is receiving less attention. Therefore, it is important to explore the pathophysiology of stroke-associated cognitive impairment and to develop therapeutic strategies which promote stroke recovery and thereby improve cognitive function.

Topics include but not limited: 1) risk factors for cognitive impairment and dementia after stroke; 2) cellular and molecular mechanisms, neuroimaging and assessments underlying the pathogenesis of cognitive impairment associated with stroke; and 3) interventions or therapies contributing to cognitive rehabilitation after stroke, such as translational clinical studies and innovative non-pharmacological interventions.



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