

## Special Issue

# Current Advances and Future Perspectives of Ischemic Stroke

### Message from the Guest Editor

This year, marks the thirtieth anniversary of the introduction of thrombolysis in treatments of acute ischemic stroke. For the first time ever, it became possible to “cure” ischemic stroke. In 1995, for the first time, a clinical NINDS trial successfully applied the penumbral concept.

This was followed by advanced research in brain imaging, thereby confirming the largely variable time course of the so called “penumbral battleground”. Moreover, innovative technologies, including artificial intelligence, are reshaping and supporting stroke care. Nevertheless, the entire spatiotemporal evolution of stroke pathology needs to be better understood—both before and after the ischemic event—when reperfusion and neuroprotection are key targets, as well as days, weeks, or months after the stroke happened, when repair and regeneration are relevant targets.

This Special Issue aims at attracting the interest of the entire stroke research community, highlighting both the challenges and the opportunities of recent advancements in preclinical and clinical knowledge of pathophysiology mechanisms of ischemic stroke.

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### Guest Editor

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## Journal of Clinical Medicine

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