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Stroke: Quantitative Imaging-Guided Approaches

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Stroke remains a major cause of morbidity and mortality worldwide. While imaging-guided therapy in acute ischemic stroke is aimed at identifying further subpopulations to benefit from endovascular interventions, imaging-guided tailored treatment in hemorrhagic stroke has mainly focused on evaluating acute hematoma expansion as it presents a potentially therapeutic target. In quantitative imaging (OI), components of the pathological mechanisms involved in both stroke types can be used as potential biomarkers to further improve the current limitations of imaging-guided therapies; thus, further studies investigating biomarkers are needed. At the same time, artificial intelligence (AI) will lead to significant advances in the QI of stroke within the next decade by exploring even deeper image information. This Special Issue focuses on the development and clinical role of OI and AI advances in the precise diagnosis and individualized treatment decision in acute ischemic and hemorrhagic stroke patients.

Dr. Jawed Nawabi Guest Editor



