

Special Issue

Cerebrovascular Disease: Acute Ischemic Stroke Caused by Large Vessel Occlusion

Message from the Guest Editors

Large vessel occlusion (LVO) is estimated to be present in between approximately 20 and 40% of AIS cases; this wide range is due to the application of different LVO definitions. Despite the amount of biomarker research in the field of AIS so far, only a few markers that are potentially suitable for LVO detection have been identified, and these are only for research purposes and are not included in the current practical guidelines. For this Special Issue, we welcome original research, meta-analyses, and review articles on any topic associated with challenges in the diagnosis and management of large vessel occlusion, from preclinical research to multidisciplinary clinical management. Topics relevant to this Special Issue include, but are not limited to:

- Preclinical patient selection, including the set up and inclusion of prehospital stroke scales and biomarker studies;
- Differential diagnoses of LVOs;
- Challenges in the hyperacute management of LVOs, including multimodal brain imaging;
- Challenges in endovascular treatment, including the use of extra- and intracranial stenting;
- Stroke of unknown time of onset;
- Imaging-based patient selection;
- The role of biomarkers.

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