Special Issue

Advances in the Diagnosis, Visualization and Treatment of Intracranial Aneurysms and Subarachnoid Hemorrhage

Message from the Guest Editors

The goal of this Special Issue is to highlight technological, clinical, and translational innovations that are shaping the future of aneurysm and SAH care, providing a high-impact platform that captures the current landscape and future directions in the care of aneurysms and subarachnoid hemorrhage—both in clinical practice and research. Welcome Topics of Interest:

- Diagnosis and management of intracranial aneurysms;
- Subarachnoid hemorrhage: acute treatment and outcome predictors;
- Surgical clipping vs. endovascular coiling: current perspectives and innovations;
- Advanced imaging techniques (CT, DSA, MRI) in aneurysm and SAH care;
- 3D visualization and simulation technologies and 3D-printed aneurysm models for surgical planning and education;
- Integration of augmented/mixed reality in neurovascular procedures;
- Cost-effectiveness analyses in aneurysm treatment strategies;
- Long-term imaging follow-up and surveillance protocols;
- Translational models and simulations of aneurysm formation and rupture;
- AI-enhanced applications;
- Patient-specific planning using computational and anatomical modelling;
- Multidisciplinary approaches to complex cerebrovascular cases.

Guest Editors

Prof. Dr. Serge Marbacher

Department of Neurosurgery, Kantonsspital Aarau, Aarau, Switzerland

Prof. Dr. Lukas Andereggen

1. Department of Neurosurgery, Kantonsspital Aarau, Aarau, Switzerland
2. Faculty of Medicine, University of Bern, Bern, Switzerland

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed

mdpi.com/si/237683

Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

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