Special Issue

Stroke: Quantitative Imaging-Guided Approaches

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 (QI), 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 QI and AI advances in the precise diagnosis and individualized treatment decision in acute ischemic and hemorrhagic stroke patients.

Guest Editor

Dr. Jawed Nawabi

1. Department of Radiology, Charité-Universitätsmedizin Berlin, Campus Mitte, Humboldt-Universität zu Berlin, 10117 Berlin, Germany
2. Berlin Institute of Health (BIH), BIH Biomedical Innovation Academy, Berlin, Germany

Deadline for manuscript submissions

closed (31 December 2024)

Tomography

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 3.5
Indexed in PubMed

mdpi.com/si/120086

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

mdpi.com/journal/tomography

Tomography

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 3.5
Indexed in PubMed

mdpi.com/journal/tomography

MDPI

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Emilio Quaia
Department of Radiology, University of Padova, 35100 Padova, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, and other databases.

Journal Rank:

JCR - Q2 (Radiology, Nuclear Medicine and Medical Imaging) Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).