

Special Issue

Advances and Perspectives in Stereotactic Neurosurgery and Radiosurgery

Message from the Guest Editors

Stereotactic treatments, particularly radiosurgery, functional neurosurgery, and MR-guided focused ultrasound (MRgFUS), are at the forefront of transformative innovations in the management of brain disease. Radiosurgery has progressed to include novel fractionation schedules that balance tumor control with healthy tissue preservation, while functional neurosurgery continues to refine the protocols utilized for movement disorders, epilepsy, and psychiatric conditions. Non-invasive MRgFUS offers unprecedented therapeutic potential by targeting deep brain structures without incisions. This Special Issue seeks to advance research on stereotactic therapies by focusing on novel protocols, fractionation schedules, imaging technologies, and treatment optimization strategies. We welcome the submission of articles that present original research, clinical trials, reviews, and novel methodologies. We particularly encourage contributions that explore multidisciplinary approaches, patient-specific treatment planning, and future directions for integrating stereotactic modalities that could shape the development of brain disease management.

Guest Editors

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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.

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