Special Issue

Advanced Clinical Technologies in Treating Neurosurgical Diseases

Message from the Guest Editors

Advanced clinical technologies have profoundly reshaped the landscape of neurosurgical treatment, offering enhanced precision in diagnostics, minimally invasive procedures, and improved patient outcomes. Several pivotal technologies play crucial roles in modern neurosurgery:1. Focused ultrasound technology2. Exoscopes3. Robotic-assisted surgery4. Virtual reality and augmented reality technologies5. Improved technology for neurosurgical education in brain and spine surgery: There is a need for new devices, such as simulators, to improve surgical training outside of the operating theatre.6. Digitalized operating theaters: Digital connections with radiological and clinical images7. Intraoperative devices such as Neuronavigation, NMR, CT scan, O and C arms, 5-ala, and fluorescine and their impact on patient outcomes8. The role of serum biomarkers in improving the management of neurosurgical diseases9. New techniques and new devices for cranial reconstructionThese advanced clinical technologies represent just a fraction of the rapidly evolving field of neurosurgical treatment. We highly welcome related papers.

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2024)

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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

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