

Special Issue

State of the Art in Pediatric Neurosurgery

Message from the Guest Editors

The field of pediatric neurosurgery is rapidly evolving on many fronts, and new breakthroughs and techniques have emerged. Furthermore, microsurgery coupled with neuroendoscopy has optimized the treatment and outcomes of most complex and dismal conditions. Besides the advances in surgical care, research and innovation has always been a major focus of pediatric neurosurgeons, exploring novel therapies, participating in clinical trials, and utilizing innovative technologies and targeted therapies with personalized treatment plans for patients with genetic disorders affecting the nervous system as well as immunotherapies in the multimodal treatment of pediatric brain tumors. Furthermore, neurocritical care advances have improved outcomes for children with critical neurological conditions. Multidisciplinary collaborative care teams have become a standard-of-care concept to ensure that pediatric patients receive the best possible care. This Special Issue will showcase advances in the aforementioned fields and how they have translated into state-of-the-art modalities in the approach to diagnose and manage pediatric neurosurgery patients.

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Deadline for manuscript submissions

10 May 2025



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.7
Indexed in PubMed



mdpi.com/si/185527

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