

Special Issue

Innovation and Outcomes in Pediatric Spine Care

Message from the Guest Editors

Pediatric spine disorders represent complex clinical challenges, requiring a delicate balance between deformity correction, growth preservation, and long-term functional outcomes. Recent advances in imaging, navigation, robotics, biomaterials, and surgical instrumentation have expanded treatment possibilities and improved safety. Despite progress, fundamental questions remain: how can deformity correction be optimized while safeguarding growth, which technologies improve outcomes long-term, and how do early interventions influence adult spinal health? This Special Issue invites the submission of original research, reviews, and translational studies that advance knowledge in pediatric spine care, integrating surgical innovation with holistic, evidence-based approaches. Topics of interest include, but are not limited to, the following: growth-friendly techniques, advanced technology-assisted surgery, patient-reported outcome measures, risk stratification, long-term follow-up, transition to adult care, registry analyses, biomechanics, and value-based care models.

Guest Editors

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Deadline for manuscript submissions

25 August 2026



Children

an Open Access Journal
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Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed



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Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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