

Special Issue

Advances in Pediatrics and Pediatric Neuroimaging: AI, New Technologies, and Their Applications in Disease Diagnosis and Therapy

Message from the Guest Editors

Disease diagnosis is supported by pediatric body imaging and neuroimaging, which highly benefit from the application of new technologies to US, CT, and MRI. These innovations encompass shortening the MRI/CT acquisition time, supporting radiologists in lesion detection, disease evolution and comparison with previous exams, and analyzing features extracted from images. Disease therapy, and especially surgery, is undergoing a revolution, particularly due to new technologies are offering pre-surgical three-dimensional planning of pediatric surgeries. Therefore, the scope of the issue is to condense and showcase the most significant advancements in Pediatrics and Pediatric Neuroimaging. This initiative involves the publication of cutting-edge research in the field of Pediatrics, with a particular focus on novel technologies and the application of AI in pediatric disease diagnosis, prognosis, and therapy.

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Deadline for manuscript submissions

15 October 2025



Children

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Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed



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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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