Special Issue

Diagnosis and Treatment in Childhood Epilepsy

Message from the Guest Editor

Epilepsy is the most common serious chronic neurological condition in children. The diagnosis and treatment of childhood epilepsy might differ significantly from adult-onset epilepsy, such as infantile spasms, Dravet syndrome, and Lennox–Gastaut syndrome appear uniquely depending on age. Furthermore, the objective in treating these children is to enhance cognition, learning, school performance, and seizure freedom with minimal adverse effects.

Many new antiseizure medicines with novel mechanisms of action have been approved for childhood-onset rare epilepsy syndromes, however, about 20–30% of children have drug-resistant epilepsy (DRE). Vagus nerve stimulator therapy has long been available for children with DRE, but responsive neurostimulation therapy and deep-brain stimulation therapy are now on the horizon, both of which are approved for adults with refractory epilepsy. Less-invasive surgical techniques are also explored in children with epilepsy, including laser interstitial thermal ablation. We feel the extensive discussion of cuttingedge research will strongly influence the practice in clinicians managing childhood epilepsy.

Guest Editor

Prof. Dr. Debopam Samanta

Department of Pediatrics, University of Arkansas Medical Sciences, Little Rock, AR, USA

Deadline for manuscript submissions

closed (15 January 2025)



Children

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed



mdpi.com/si/124463

Children Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 children@mdpi.com

mdpi.com/journal/ children





Children

an Open Access Journal by MDPI

Impact Factor 2.1 CiteScore 3.8 Indexed in PubMed



About the Journal

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

Prof. Dr. Paul R. Carney

Departments of Child Health and Neurology, University of Missouri, 400 Keene Street, Columbia, MO 65211, USA

Author Benefits

Open Access

 free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC. Embase, and other databases.

Journal Rank:

JCR - Q2 (Pediatrics) / CiteScore - Q2 (Pediatrics, Perinatology and Child Health)

