

## Special Issue

# Advances in Neonatal Encephalopathy

### Message from the Guest Editor

Neonatal encephalopathy represents a challenge for the clinician and neonatologist, and it often presents in neonatal age with seizures at birth or within the neonatal age, often not responding to conventional anticonvulsant treatment. The challenge consists in the definition and differential diagnosis of neonatal encephalopathy and neonatal seizures, as etiologies can be different and multifactorial, including hypoxic-ischemic encephalopathy (HIE, in 28–50% of cases), intracranial hemorrhage (11–26%), ischemic stroke (18%), metabolic derangement (16–19%), congenital brain malformations (1.2–10%), and inborn errors of metabolism (IEM, about 3%). The aim of the present Special Issue is to focus on recent advances in diagnosis and treatment of neonatal encephalopathy, in order to spread the knowledge of the condition and to improve prompt recognition of the disease and prevention strategies.

---

### Guest Editor

Prof. Dr. Agnese Suppiej  
Department of Medical Sciences, Pediatric Section, University of Ferrara, 44121 Ferrara, Italy

---

### Deadline for manuscript submissions

closed (1 July 2024)



## Children

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.1  
CiteScore 3.8  
Indexed in PubMed



[mdpi.com/si/100146](https://mdpi.com/si/100146)

*Children*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[children@mdpi.com](mailto:children@mdpi.com)

[mdpi.com/journal/  
children](https://mdpi.com/journal/children)





# Children

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.1  
CiteScore 3.8  
Indexed in PubMed



[mdpi.com/journal/  
children](https://mdpi.com/journal/children)



## 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)