

## Special Issue

# Advancing the Management of Neonatal Hypoxic-Ischemic Encephalopathy

### Message from the Guest Editor

Neonatal hypoxic–ischemic encephalopathy (HIE) has evolved significantly, with improved outcomes following the introduction of therapeutic hypothermia. Despite these advances, nearly half of infants undergoing therapeutic hypothermia are non-responders, underscoring challenges in early detection and tailoring adjuvant therapies to individual needs. This Special Issue seeks to transform neonatal care by integrating mechanistic insights with innovative bedside approaches. It will highlight interdisciplinary advances in HIE, including precision diagnostics, neuromonitoring, electrophysiology, multimodal biomarkers, promising adjunctive therapies, neurorehabilitation, and neuromodulation. By linking molecular research with the complexities of intensive care, this Special Issue explores new directions in precision treatment protocols and rehabilitative strategies. Submissions of high-impact original research, clinical trials, translational studies, and expert reviews that extend the boundaries of current knowledge are invited.

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### Guest Editor

Dr. Nahla Zaghoul

Department of Pediatrics, Division of Neonatology, University of Florida College of Medicine, Gainesville, FL 32610, USA

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### Deadline for manuscript submissions

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## Children

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

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## 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.

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### Editor-in-Chief

Prof. Dr. Paul R. Carney

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

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