

Special Issue

Application of Electroencephalogram (EEG) in Pediatrics

Message from the Guest Editor

We are pleased to invite you to contribute your work to the Special Issue 'Application of Electroencephalogram (EEG) in Pediatrics'. In this Special Issue, original research articles and reviews are welcome. The research areas may include (but are not limited to) the following:

- The diagnostic yield and special considerations of routine EEGs, ambulatory EEGs, and LTM video EEGs in the clinical assessment of epileptic seizures, electroclinical syndromes, and paroxysmal non-epileptic spells.
- The application of updated ACNS critical care EEG terminology in neonatal and pediatric intensive care units (ICUs), along with emerging diagnostic and neuroprognostic biomarkers.
- The challenges and unique opportunities that arise alongside the utilization of intracranial EEGs in assessing the epileptic network and treatment modalities (e.g., resective surgery versus neuromodulation) in a young brain.
- The exciting progress in the practice of qEEG and emerging electrophysiological biomarkers (e.g., HFO, cross-frequency coupling, theta–beta ratio, etc.) for neurocognitive assessments in children with chronic epilepsy and/or neurodevelopmental disorders.

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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