

Special Issue

Acute and Chronic Lung Disease of the Neonate: Open Challenges and Novel Insights (Second Edition)

Message from the Guest Editor

Respiratory disorders are the leading causes of admission to neonatal intensive care units, carrying high rates of mortality and morbidity. The definition and characterization of neonatal lung disorders are still a matter of debate. Preclinical and clinical research pertaining to novel ventilation strategies that may decrease the burden of superimposed ventilator-induced lung injury is a continuous field of improvement in neonatology. The point-of-care evaluation of the respiratory and cardiovascular system is constantly growing and constitutes a potential game-changer when dealing with neonatal lung diseases. The purpose of this Special Issue is to collect contributions of clinical practice and research on neonatal lung diseases. This volume intends to provide novel insights into neonatal lung diseases, including prevention, diagnosis, monitoring, ventilator strategies and ECMO, novel treatments, supportive strategies and long-term outcomes. In addition to reviews, all types of research papers, from laboratory studies to pro- and retrospective clinical trials, are most welcome.

Guest Editor

Dr. Maria Pierro

Neonatal and Paediatric Intensive Care Unit, Maurizio Bufalini Hospital, AUSL Romagna, Cesena, Italy

Deadline for manuscript submissions

15 January 2026



Children

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed



mdpi.com/si/247896

Children
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)