

Special Issue

Assessment and Management of Sepsis-Associated Organ Dysfunction and Shock in Neonates

Message from the Guest Editors

Neonatal sepsis and septic shock remain among the leading causes of morbidity and mortality in newborns worldwide. Despite advances in neonatal care, early diagnosis and effective management continue to pose significant challenges due to the unique immune responses and clinical presentations in this vulnerable population. Historically, the understanding of neonatal sepsis has evolved from broad-spectrum antibiotic use to include advanced diagnostic tools such as echocardiography and targeted hemodynamic therapies. This Special Issue aims to highlight the latest advances in pathophysiology, diagnostics, and treatment strategies in neonatal sepsis and septic shock. We seek cutting-edge research that explores novel biomarkers, organ function monitoring systems, and innovative clinical protocols. Contributions are welcome from basic science, translational studies, and clinical trials that can ultimately improve outcomes and reduce the global burden of neonatal septic shock.

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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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