



*children*



an Open Access Journal by MDPI

## Neonatal Respiratory Distress

Guest Editors:

**Prof. Rita Marie Ryan**

School of Medicine, Case Western Reserve University, UH Rainbow Babies and Children's Hospital, Cleveland, OH 44106, USA

Rita.Ryan@UHhospitals.org

**Dr. Thomas M. Raffay**

School of Medicine, Case Western Reserve University, Cleveland, OH 44106, USA

tmr12@case.edu

Deadline for manuscript submissions:

**closed (15 February 2021)**

### Message from the Guest Editors

Dear Colleagues,

Neonatal respiratory distress is a broad problem. We hope to highlight novel concepts regarding the pathophysiology of neonatal respiratory distress, including those involving classic respiratory distress syndrome (RDS)/surfactant deficiency, persistent pulmonary hypertension of the newborn (PPHN), pulmonary insufficiency of prematurity (factors related to the need for respiratory support due to small size, immaturity, control of breathing, etc.), and evolving early bronchopulmonary dysplasia (BPD), as well as less common etiologies of neonatal respiratory distress such as acute lung injury/acute (adult) RDS (ARDS), congenital diaphragmatic hernia, tracheomalacia, and other anatomic problems. We are very interested in studies supporting or introducing novel therapies and their mechanisms of action, such as new modes of surfactant delivery, antenatal and perinatal steroids, anti-oxidants, and other early-stage pharmacotherapies. During the ever-changing time of the novel SARS-CoV-2 (COVID-19) pandemic, we would welcome works pertaining to practice modifications and challenges in the delivery room management of RDS, non-invasive positive pressure, and intubation.



[mdpi.com/si/57844](https://mdpi.com/si/57844)

**Special Issue**