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Neonatal Airway Management

Guest Editor:

Dr. Joaquim M. B. Pinheiro

Department of Pediatrics, Albany
Medical College, MC-101, 47 New
Scotland Avenue, Albany, NY
12208, USA

Deadline for manuscript
submissions:

closed (25 April 2023)

Message from the Guest Editor

Neonates needing assisted ventilation often require an artificial airway. The normal neonatal airway is intrinsically difficult to manage due to its small dimensions and anatomical relationships, which also vary widely between extremely preterm and full-term newborns. Neonates are often physiologically unstable, and some have airway anomalies. Consequently, tracheal intubation of neonates has a relatively low success rate, and it is associated with acute risks and long-term complications. Additionally, unplanned extubations occur more frequently in newborns than any other age group. These problems are currently addressed by single-center and collaborative efforts, using clinical research, quality improvement and patient safety methodologies. Finally, devices are being increasingly developed to support less-invasive respiratory support of neonates, and to facilitate airway management with reduced technical expertise required of neonatal caregivers. This Special Issue of *Children* will address in neonatal airway management, including normal and anomalous development and injury, tracheal intubation and its associated complications.



mdpi.com/si/104897

Special Issue



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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

Message from the Editor-in-Chief

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Contact Us

Children Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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