

# Recent Advances In Neonatal Medicine

---

Editor

*Christian P. Speer, Würzburg, Germany*

Co-Editor

*Ola D. Saugstad, Oslo, Norway*

8 figures, 5 in color, and 13 tables, 2024

---

## Conflict of Interest Statement

The editor has no conflict of interest to declare.

---

## Contents

---

### Editorial

---

#### 543 **Recent Advances in Neonatal Medicine: An International Scientific and Educational Forum**

Speer, C.P. (Würzburg); Saugstad, O.D. (Oslo)

---

### Sources of Neonatal Medicine

---

#### 544 **Michael Obladen: Promoter of Clinical, Scientific, and Academic Neonatology in Germany and Europe**

Maier, R.F. (Marburg); Speer, C.P. (Würzburg)

---

### Reviews

---

#### 547 **Physiological-Based Cord Clamping: When the Baby Is Ready for Clamping**

te Pas, A.B. (Leiden); Knol, R. (Rotterdam); Lopriore, E.; van den Akker, T.H. (Leiden); Hooper, S.B. (Clayton, VIC)

#### 553 **Delivery Room Handling of the Newborn: Filling the Gaps**

Saugstad, O.D. (Oslo/Chicago, IL); Kapadia, V. (Dallas, TX); Vento, M. (Valencia)

#### 562 **Aspects on Oxygenation in Preterm Infants before, Immediately after Birth, and Beyond**

Sotiropoulos, J.X. (Camperdown, NSW); Saugstad, O.D. (Oslo/Chicago, IL); Oei, J.L. (Camperdown, NSW/Sydney, NSW/Randwick, NSW)

#### 570 **Optimal Strategies of Mechanical Ventilation: Can We Avoid or Reduce Lung Injury?**

van Kaam, A.H. (Amsterdam)

#### 576 **Non-Invasive Ventilatory Support in Preterm Neonates in the Delivery Room and the Neonatal Intensive Care Unit: A Short Narrative Review of What We Know in 2024**

Roehr, C.C. (Oxford/Bristol); Farley, H.J. (Oxford); Mahmoud, R.A. (Sohag); Ojha, S. (Nottingham/Derby)

#### 584 **Less Invasive Surfactant Administration for Preterm Infants – State of the Art**

Härtel, C. (Würzburg); Kribs, A. (Cologne); Göpel, W. (Lübeck); Dargaville, P. (Hobart, TAS); Herting, E. (Lübeck)

## Novel Insights from Clinical Practice

---

### **596 BPD: Latest Strategies of Prevention and Treatment**

Durlak, W. (Ottawa, ON/Krakow); Thébaud, B. (Ottawa, ON)

## Sources of Neonatal Medicine

---

### **608 ROP: 80 Years after Its Detection – Where Do We Stand and How Long Will We Continue to Laser?**

Hellström, A. (Gothenburg); Smith, L.E.H. (Boston, MA); Hård, A.-L. (Gothenburg)

## Novel Insights from Clinical Practice

---

### **616 Brain MRI Injury Patterns across Gestational Age among Preterm Infants with Perinatal Asphyxia**

Parmentier, C.E.J. (Utrecht); el Bakkali, L.; Verhagen, E.A. (Amsterdam); Steggerda, S.J. (Leiden); Alderliesten, T.; Lequin, M.H. (Utrecht); van de Pol, L.A. (Amsterdam); Benders, M.J.N.L.; van Bel, F.; Koopman-Esseboom, C. (Utrecht); de Haan, T.R. (Amsterdam); de Vries, L.S. (Utrecht/Leiden); Groenendaal, F. (Utrecht)

## Reviews

---

### **627 The Role of *Ureaplasma* Species in Prenatal and Postnatal Morbidity of Preterm Infants: Current Concepts**

Silwedel, C. (Würzburg); Laube, M. (Leipzig); Speer, C.P. (Würzburg); Glaser, K. (Leipzig)

### **636 Prevention of Inflammatory Disorders in the Preterm Neonate: An Update with a Special Focus on Bronchopulmonary Dysplasia**

Glaser, K. (Leipzig); Jensen, E.A. (Philadelphia, PA); Wright, C.J. (Aurora, CO)

### **646 Inborn Errors of Immunity in Early Childhood: Essential Insights for the Neonatologist**

Dirks, J. (Würzburg/Site Hamburg-Lübeck-Borstel-Riems); Wöfl, M.; Speer, C.P. (Würzburg); Härtel, J. (Würzburg/Site Hamburg-Lübeck-Borstel-Riems); Morbach, H. (Würzburg)

### **656 Author Index**

### **657 Subject Index**

Cover illustration  
© EFCNI