

Special Issue

Developmental Transfusion Biology in Neonatal–Perinatal Medicine

Message from the Guest Editors

We invite original research articles, reviews and clinical studies addressing neonatal transfusion practice at the interface of hematology, developmental physiology, transfusion medicine and neonatal outcome research. Particular interest will be given to contributions that connect mechanistic insight with clinical decision-making and future strategies for safer, developmentally adapted transfusion care.

Topics of interest for publication include, but are not limited to, the following:

- Physiology and pathophysiology of neonatal transfusion therapy
- Erythropoietin, iron metabolism and patient blood management in preterm infants
- Transfusion practices in different healthcare systems and countries
- Restrictive versus liberal transfusion strategies in neonates
- Delayed cord clamping and placental transfusion
- Autologous cord blood transfusion strategies in neonatal care
- Allogeneic cord blood transfusion approaches and global health perspectives
- Cord-blood-derived red cell products for neonatal transfusion medicine
- Transfusion-associated neonatal morbidity and long-term outcomes after neonatal transfusion therapy

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