

Special Issue

Early Nutrition and Immunity in Compromised Newborns

Message from the Guest Editor

Immune-mediated complications have a major impact on the outcome of compromised preterm and term neonates. Common neonatal pathologies, such as sepsis, chronic lung disease, necrotizing enterocolitis, or hypoxic-ischaemic encephalopathy all feature alterations in the immune system. The influence of early enteral and parenteral nutrition on immune development and function, including susceptibility to infection, has become increasingly evident in recent years. However, the underlying associations and mechanisms are poorly understood. In particular, the role of breastfeeding and the effects of the evolving microbiome on the neonatal immune response, influenced by nutrition, have gained increasing attention and have significant therapeutic potential in this vulnerable population, with important implications on long-term health outcomes. In this Special Issue, we seek submissions exploring molecular and cellular mechanisms as well as epidemiological associations between the role of nutrition and immunity in early life, with a focus on neonatal complications. Reports on relevant clinical trials and nutrition-related health outcomes are also encouraged.

Guest Editor

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Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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