Special Issue

Research Status of Neonatal Intestinal Failure

Message from the Guest Editor

Neonatal short bowel syndrome is a disease with a high morbidity and mortality, and is the leading cause of intestinal failure in this age group. Neonatal intestinal failure (IF) is the critical reduction of the gut mass or its function below the minimum needed to absorb nutrients and fluids required for adequate growth in children. Severe IF requires parenteral nutrition (PN). Pediatric IF is most commonly due to congenital or neonatal intestinal diseases or malformations, divided into three groups: 1) reduced intestinal length and consequently reduced absorptive surface as in short bowel syndrome (SBS) or extensive aganglionosis; 2) abnormal development of the intestinal mucosa, as in congenital diseases of enterocyte development; 3) extensive motility dysfunction, such as chronic intestinal pseudo-obstruction syndromes. Novel approaches developed through multidisciplinary teamwork, such as the manipulation of the microbiome or tissue bioengineering, should be added to current therapies to successfully treat SBS.

Guest Editor

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Deadline for manuscript submissions

closed (15 November 2020)

Children

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed

mdpi.com/si/48806

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You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

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