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Neonatal Short Bowel Syndrome: Nutritional Management and Research Directions

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Message from the Guest Editor

Neonatal short bowel syndrome is a clinical condition that necessitates parenteral nutrition in order to sustain growth and development. It is the most common cause of intestinal failure in infants, and its incidence and prevalence are increasing.

Short bowel syndrome in neonatal intensive care unit patients can result from various conditions, particularly intestinal atresia, gastroschisis, necrotizing enterocolitis, and intestinal volvulus.

Even if the residual intestinal length has been correlated with adaptation and survival, the neonatal care improvement, the development of new strategies on parenteral nutrition, the prevention of intravenous infections, and surgical procedures have significantly increased the survival of infants with short bowel syndrome. Therefore, the prognosis of short bowel syndrome has been improving with advances in multidisciplinary intestinal care.

The nutritional research directions on infants with short bowel syndrome have to limit the following clinical problems:

- Food avoidance
- Long term nutritional deficiency
- Micronutrients deficiency
- PN-liver failure



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Special Issue



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