

HCP to determine individual needs and monitor nutritional status. Nutricia North America supports the use of breastmilk wherever possible.

Neocate® is a family of hypoallergenic, amino acid-based medical foods" for use under medical supervision and is indicated for cow milk allergy, multiple food allergies and related GI and allergic conditions.

Neocate Infant DHA/ARA is intended for use in term infants. SNeocate Nutra is a supplemental amino acid-based solid food for 6+ months.

INeocate Junior is available with and without a prebiotic (soluble) fiber. Neocate Junior, Unflavored (with & without prebiotics), Neocate Junior, Vanilla, Strawberry, Chocolate & Tropical (with prebiotics).

## POTENTIAL NUTRIENT DEFICIENCIES IN SBS DURING AND AFTER TRANSITION TO ENTERAL AUTONOMY<sup>16-8</sup>

Fat soluble vitamins:
A, D, E & K

Vitamin B<sub>12</sub> in patients with leal resection

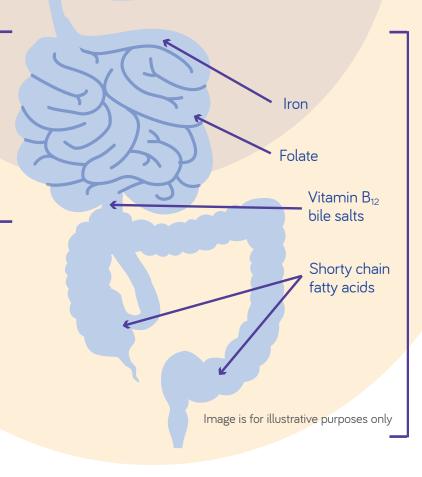
Zinc and selenium in patients with diarrhea

Iron in patients with loss of duonenal-jejunal absorptive area

## SITES OF ABSORPTION

WATER & ELECTROLYTES

CARBOHYDRATES
FATS
PROTEINS
CALCIUM
PHOSPHORUS
MAGNESIUM
TRACE ELEMENTS
VITAMINS



- Conduct regular monitoring to ensure the diet is adequate and provides all essential nutrients. Monitoring should include a review of nutritional intake and requirements, anthropometry, assessment of symptoms and micronutrient status.<sup>9</sup>
- Micronutrient supplementation needs will vary based on the child's intestinal anatomy, degree of malabsorption & route of nutrition.

## References:

1. Andorsky et al. J Pediatr. 2001; 139(1):27-33. 2. Bines et al. J Pediatr Gastroenterol Nutr. 1998;26(2):123-8. 3. De Greef E et al. J Nutr Metab. 2010;2010. pii: 297575. doi:10.1155/2010/297575. 4. Nucci et al. Nutr Clin Pract. 2018; 33(4):528-538. 5. Capriati et al. Expert Rev Gastroenterol Hepatol. 2017;11(8):741-748. 6. Duggan et al. N Engl J Med. 2017; 377(7):666-675. 7. Stamm et al, https://www.uptodate.com/contents/management-of-short-bowel-syndrome-in-children. Accessed 10/04/2019. 8. Ubesie et al, J. Pediatr. 2013; 163(6): doi:10.1016/j.jpeds.2013.07.015. 9. Shaw V. Clinical Paediatric Dietetics: Wiley, 2014;2014;282-307. 10. Brenn et al, In Sonneville K & Duggan C, Manual of Pediatric Nutrition, Fifth Edition. People's Medical Publishing House, USA Shelton, Connecticut. 2014; 424-444.

¶enteral autonomy = independence from parenteral nutrition<sup>6</sup>

Nutrients are absorbed at numerous anatomical locations along the gastrointestinal tract<sup>6</sup>

 Location of the bowel resection in infants and children with short bowel syndrome may determine the frequency and severity of potential micronutrient deficiencies<sup>6</sup>

