The Insides® Neo

Purpose-built pediatric chyme reinfusion solution for preterm infants with intestinal failure





Unmet Clinical Need

Intestinal failure in neonatal and pediatric patients is associated with substantial morbidity and mortality as high as 50%, most commonly caused by necrotising enterocolitis², affecting 1 in 1,000 premature babies³.

Current management includes the formation of double enterostomy and patients will often present with high-output stoma losses resulting in dehydration and malnutrition and may require ongoing parenteral nutrition support.

Solution: The Insides® Neo®

The Insides® Neo is a purpose-built medical device for performing chyme reinfusion therapy in neonatal and pediatric patients with intestinal failure

The device assists patients to transition to oral feeding by refeeding the contents of the stoma bag back into the patient's distal intestine.



Figure 1. The Inside® Neo installed in a patient



Nutritional & Fluid Benefits

- Meet nutritional and fluid requirements²
- Promotes appropriate microbiome and immune system development⁴
- Reducing the requirements for parenteral nutrition



Reduction in Surgical & Ostomy Complications

- Promotes distal gut maturation in preparation for surgical reanastomosis¹
- Fewer bag leakages and reduced risk of peristomal skin complications



Clinical Workflow Benefits

Free-up nursing time and healthcare resources by reducing manual labor



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Website



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Reinfuse Chyme • Save the Patient

Reference

1. Henry, M. C. W., & Moss, R. L. (2008). Neonatal necrotizing enterocolits. Seminars in Pediatric Surgery, 17(2), 98–109. https://doi.org/10.1053/j. sempedsurg.2008.02.005

The Insides Neo current works with the following ostomy pouches

The Insides Neo - Coloplast (SKU: PS033) Coloplast Sensura Mio Baby 18700

The Insides Neo - Hollister (SKU: PS018) - Hollister Pouchkins 3778

2. Bhat, S., Cameron, N.-R., Sharma, P., Bissett, I. P., & O'Grady, G. (2020). Chyme recycling in the management of small bowel double enterostomy in pediatric and neonatal populations: A systematic review. Clinical Nutrition ESPEN, 37, 1–8. https://doi.org/10.1016/j.clnesp.2020.03.013

3. https://my.clevelandclinic.org/health/diseases/10026-necrotizing-enterocolitis#:~:text=How%20common%20is%20necrotizing%20enterocolitis,weighing%20less%20

4. Siggers, R. H., Siggers, J., Thymann, T., Boye, M., & Sangild, P. T. (2011). Nutritional modulation of the gut microbiota and immune system in preterm neonates susceptible to necrotizing enterocolitis. The Journal of Nutritional Biochemistry, 22(6), 511–521. https://doi.org/10.1016/j.jnutbio.2010.08.002

