

Enteral nutrition for your patients in critical care



Early enteral nutrition has been shown to improve clinical outcomes in critically ill and surgical patients.¹

Reduced mean length of stay in hospital by 2.2 days.²

Reduced risk of infection.²

Are your enterally fed patients experiencing **tolerance issues?**

The 2018 ESPEN guidelines on clinical nutrition in the intensive care unit recommend early initiation of enteral nutrition (within 48 hours).³



Information for healthcare professional use only.

What is **Partially Hydrolysed Guar Gum (PHGG)**?

PHGG is fermented by gut bacteria in the large intestine to produce short-chain fatty acids (SCFAs).⁴ SCFAs help regulate water and electrolyte absorption in the colon, which may help normalise stool consistency.⁵

ESPEN recommend the use of PHGG to prevent enteral nutrition-induced diarrhoea in post-surgical and in critically ill patients.⁷

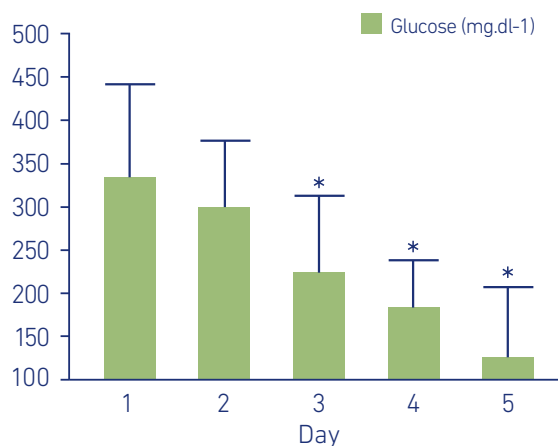
PHGG is a 100% soluble dietary fibre extracted from the guar plant.⁷

PHGG supports intestinal flora balance by promoting growth of beneficial bacterial strains.⁶

Improved plasma glucose levels.⁸

PHGG is a water soluble fibre with strong clinical support in the management of diarrhoea.⁷⁻¹¹

ICU Patients with PHGG enriched formula had significantly lower plasma glucose levels at the termination of the study compared to their levels at baseline.⁸



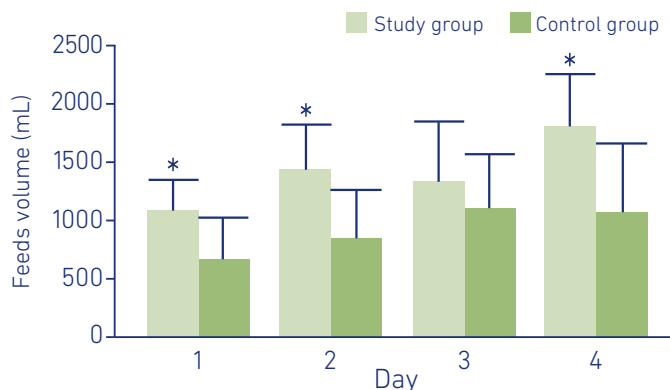
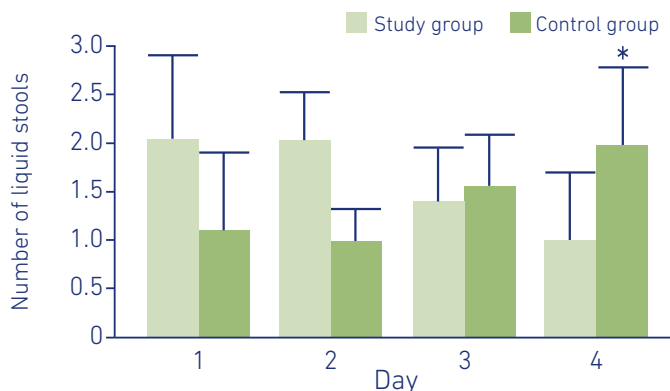
Hyperglycaemia is common amongst critically ill patients, and is associated with increased mortality.¹²

It has been shown that near-to-normal insulin controlled glycaemia improves the outcome of ICU patients.¹³

In ICU patients with pre-existing diarrhoea, PHGG enriched (22–44g PHGG per day) enteral nutrition has been shown to significantly decrease diarrhoea after 4 days.⁸

The study group receiving the PHGG enriched formula also achieved a significantly higher feeding volume on day 1, 2 and 4 compared to the control group which indicates improved tolerance as well. This aids patients to increase their total protein and calorie intake.⁸

Managing enteral nutrition-induced diarrhoea.



NOVASOURCE® GI Forte is clinically proven to reduce occurrence of diarrhoea in enterally fed patients.⁷⁻¹¹

- Reduced mean frequency of diarrhoea days.
- Reduced need to discontinue enteral feeding due to diarrhoea.
- Improvement in overall tolerance to enteral feeding.

High Protein with Fibre



ISOSOURCE® Protein Fibre

A high protein formula, enriched with soluble and insoluble fibre.

1.3 kcal/mL

PROTEIN 67g/L

20% MCT of Total Fat

High Energy and High Protein



ISOSOURCE® 2.0

An energy dense formula for increased energy requirements and restricted fluid volume.

2.0 kcal/mL

PROTEIN 84g/L

50% MCT of Total Fat

GI Tolerance



NOVASOURCE® GI Forte

A high calorie, high protein formula specifically formulated with Partially Hydrolysed Guar Gum (PHGG).

1.5 kcal/mL

PROTEIN 60g/L

22% MCT of Total Fat

GI Impairment



VIVONEX® T.E.N

A low fat elemental formula containing 100% free amino acids enriched with glutamine to meet the nutritional needs of patients with gastrointestinal impairment.

1.0 kcal/mL

PROTEIN 38g/L

FAT 3.4g/L

For more information call 1800 671 628 or visit www.nestlehealthscience.com.au

References: 1. McClave S et al. Guidelines for the Provision and Assessment of Nutrition Support Therapy in the Adult Critically Ill Patient: Society of Critical Care Medicine (SCCM) and American Society for Parenteral and Enteral Nutrition (A.S.P.E.N.) JPEN 2009; 33:277-316. 2. Marik PE and Zaloga GP. Crit Care Med 2001;29:2264-2270. 3. Singer P et al. Clin Nutr. 2018 Sep 29. pii: S0261-5614(18)32432-4. 4. Velazquez et al., 2000. Anaerobe 87-92. 5. Topping and Clifton, 2001. Physiological Reviews Vol 81, No.3, July 2001. 6. Okubo et al., 1994. Bioscience, Biotechnology and Biochemistry Vol 58, 1994 Issue 8. 7. Meier R, Gassull MA. Clinical Nutrition Supplements. 2004;1:73-80. 8. Rushdi TA, Pichard C, Khater YH. Clin Nutr. 2004 Dec;23(6):1344-52. 9. Lampe JW, et al. J Parenter Enteral Nutr 1992;16:538-544. 10. Spapen H, et al. Clin Nutr 2001; 20(4):301-305. 11. Homann et al. J Parenter Enteral Nutr 1994;18:485-490. 12. Falciglia M, Freyberg RW, Almenoff PL, D'Alessio DA, Render ML. Crit Care Med. 2009;37(12):3001-3009. 13. G. Van den Bergh, P. Wouters, F. Weekers, et al. N Engl J Med, 345 (2001), pp. 1359-1367.

ISOSOURCE® Protein Fibre, ISOSOURCE® 2.0 and NOVASOURCE® GI Forte are food for special medical purposes specifically formulated for medical conditions where nutritional needs cannot be met through diet modification alone. Must be used under medical supervision. VIVONEX® T.E.N is a food for special medical purposes specifically formulated for the dietary management of people with gastrointestinal impairment. Must be used under the supervision of a healthcare professional.

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