

Whey protein supplementation can help your patients to reach protein requirements



A volume-based protocol with high protein enteral formula and BENEPROTEIN® vs. standard nutrition care, helped ICU patients achieve:¹

↑
Higher protein

1.2g/kg vs.
0.75g/kg

↑
Higher energy

21kcal/kg vs.
18kcal/kg

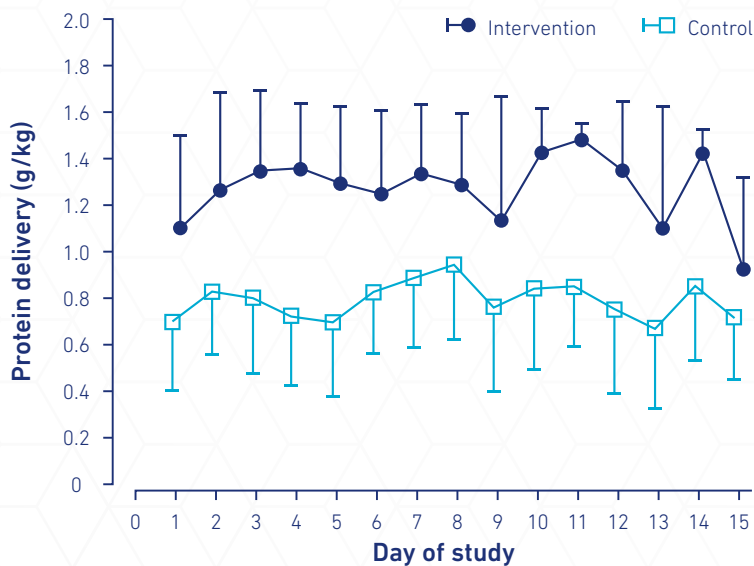
↓
Less muscle loss

attenuated by
0.22cm vs.
standard care

↓
Decreased prevalence of malnutrition

at ICU discharge
7% vs. 28%

Protein delivery in critically ill patients



Intervention (n)	30	27	17	15	13	10	8	3
Control (n)	30	27	24	12	9	8	5	4

The protein supplementation and the volume-based protocol did not affect the feeding tolerance.¹

Research suggests that greater protein delivery may improve survival rates, ventilator-free days as well as time to discharge from ICU.²

BENEPROTEIN® – 100% Whey Protein

Provides 6g of protein per serve

Tube Feeding Administration

Add 1 scoop to 60 -120mL of water. Stir until dissolved. Administer by syringe through feeding tube.

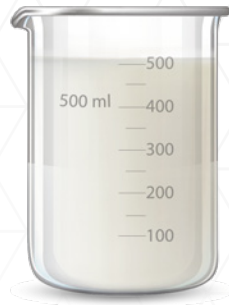


The Benefits of Whey Protein

GI Tolerance

Whey facilitates faster gastric emptying.³

- ✓ Gastric emptying time is an important consideration in patients with an increased risk of aspiration.⁴



Whey: soluble



Faster gastric emptying

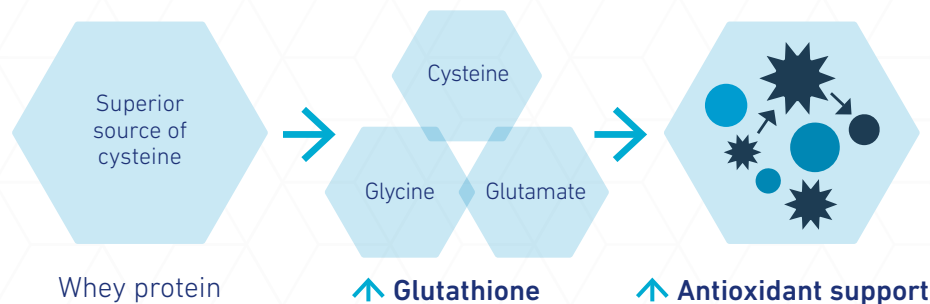


Casein: clots in the stomach



Delays gastric emptying

- ✓ Whey provides a source of cysteine, the rate-limiting amino acid for glutathione synthesis,⁴⁻⁶ and can replenish glutathione in depleted patients.⁴⁻⁷
- ✓ Glutathione plays a major role in neutralising free radicals that can cause oxidative stress.^{6,8}



Protection

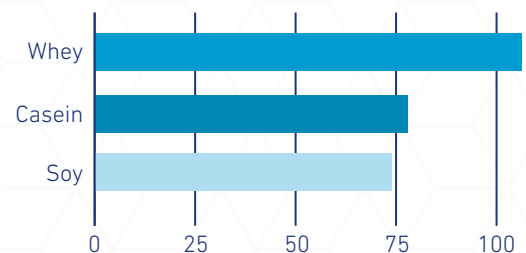
Helps support the body's antioxidant system in its defence against damaging free radicals.^{6,8}

Muscle Mass

Offers exceptional protein quality and helps promote anabolism.

- ✓ High level of branched-chain amino acids supporting lean body mass anabolism.⁹⁻¹¹
- ✓ Ideal protein source for nutrition support during metabolic stress.

Biological value¹²⁻¹⁴



Biological value (BV) is the % absorbed nitrogen retained in the body.

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

References: 1. Fetterplace et al. JPEN 2018;00:1-11. 2. Singer et al. 2019. ESPEN guideline on clinical nutrition in the intensive care unit. Clinical Nutrition 2019 (48-79). 3. Fried MD, et al. J Pediatr 1992; 120:569-572. 4. Rowe B et al. J Am Coll Nutr 1994; 3:535A. 5. Bounous G et al. Cancer Letters 1991; 57:91-94. 6. Wu G et al. J Nutr 2004; 134:489-492. 7. Bounous G. Anticancer Res 2000; 20:4785-4792. 8. Marshall K. Altern Med Rev 2004; 9:136-156. 9. Ha E et al. J Nutr Biochem. 2003; 14:251-258. 10. Katsanos CS et al. Am J Physiol Endocrinol Metab 2006; 291:E381-387. 11. Anthony JC et al. J Nutr 2001; 131:856S-860S. 12. Protein Quality Evaluation. Report of Joint FAO/WHO Consultation, 1991. 13. US Dairy Export Council Reference Manual for U.S. Whey and Lactose Products, 2004. 14. Protein Quality Evaluation. Report of the Joint FAO/WHO Consultation, 1990.

BENEPROTEIN® is a food for special medical purposes specifically formulated for medical conditions where nutritional needs cannot be met by diet modification alone. Must be used under the supervision of a healthcare professional.

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