

Conditions where Peptamen HN PHGG could have clinical impact:

- Safe start Enteral Nutrition
- Enteral feeding intolerance
- Impaired GI function
- Dysbiosis due to antibiotics and chemotherapy
- Support digestive health
- Support glucose control

Peptamen HN PHGG is the only adult product formulated with hydrolyzed 100% whey protein, MCT and 100% of the fiber coming from PHGG.

	Peptamen HN PHGG	Peptide product A	Peptide product B
100% whey peptide	✓	✓	✓
MCT	70%	47%	51%
PHGG	✓		

Peptamen HN PHGG is designed to meet patients' needs throughout the continuum of care in the general hospital wards, and at home, for enteral tube feeding in the short-, mid- and long-term.



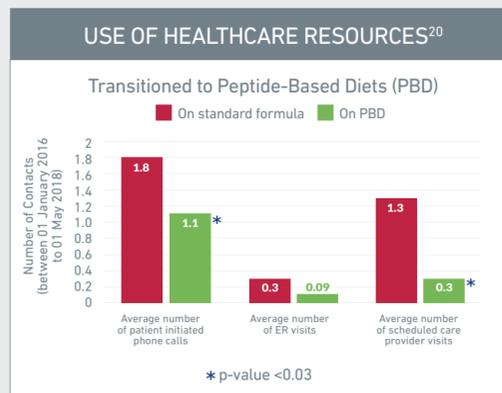
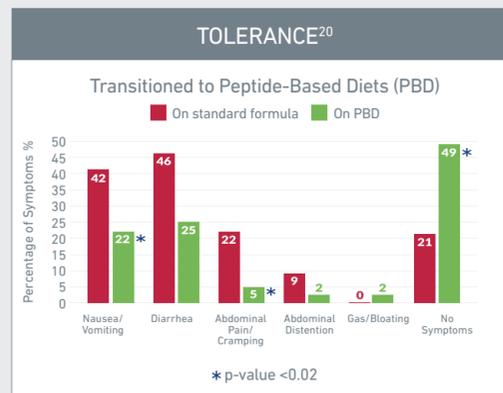
Hospital wards

Ten patients who experienced symptoms of GI intolerance on casein-based EN were switched to Peptamen® in a clinical study. All patients showed an immediate and sustained improvement in GI discomfort within 7 days¹⁹



Home

- Peptide-based diets are well tolerated in an outpatient setting in patients with malabsorption and pancreatic insufficiency²⁰
- Results of a retrospective study demonstrated significantly fewer ER visits, calls to clinicians, and scheduled care provider visits, for patients using Peptamen® formulas compared with standard formula enteral nutrition²⁰



Nutritional Table

Nutrient	Units	% kcal	100ml	500ml	
Energy		kJ	100%	564	2818
		kcal		134	671
Fat	g	33%	4.9	24.5	
Saturates	g		3.5	17	
- MCT	g		3.4	17	
Monounsaturates	g		0.45	2.2	
Polyunsaturates	g		0.68	3.4	
- omega-3	mg		80	400	
- omega-6	mg		600	3000	
Carbohydrate	g	47%	15.6	78	
- sugars	g		1.4	7.0	
Fibre	g		0.60	3.0	
Protein	g	20%	6.6	33	
Salt	g		0.22	1.1	
Minerals					
Sodium	mg		90	450	
	mmol		3.9	20	
Potassium	mg		180	900	
	mmol		4.6	23	
Chloride	mg		60	300	
	mmol		1.7	8.5	
Calcium	mg		85	425	
	mmol		2.1	11	
Phosphorus	mg		75	375	
Phosphates	mmol		2.4	12	
Magnesium	mg		30	150	
	mmol		1.2	6.0	
Iron	mg		1.6	8.0	

Nutrient	Units	% kcal	100ml	500ml
Zinc	mg		1.5	7.5
Copper	mg		0.17	0.85
Manganese	mg		0.30	1.5
Fluoride	mg		0.16	0.80
Selenium	µg		8.6	43
Chromium	µg		8.5	43
Molybdenum	µg		16	80
Iodine	µg		18	90
Vitamins				
A	µg		150	750
D	µg		1.8	9.0
E	mg		2.3	11.5
K	µg		9.0	45
C	mg		18	90
Thiamin (B1)	mg		0.23	1.15
Riboflavin (B2)	mg		0.22	1.1
Niacin	mg		0.90	4.5
Niacin mg NE	mg		3.3	17
B6	mg		0.30	1.5
Folic acid	µg		43	215
B12	µg		0.50	2.5
Biotin	µg		5.5	28
Pantothenic acid	mg		0.96	4.8
Taurine	mg		10	50
L-carnitine	mg		14	70
Choline	mg		35	175

water content: 80 g/ 100 ml | Osmolality: 476 mOsm/kg | Osmolarity: 381 mOsm/l

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ADULT
ENTERAL
NUTRITION

- Partially hydrolyzed 100% whey protein and high levels of MCT fats to promote tolerance
- 100% soluble PHGG to support the growth of beneficial bacteria and support digestive health
- Improves symptoms of feeding intolerance



PEPTAMEN[®]
HN PHGG

IMPROVED OUTCOMES

Peptamen HN PHGG

New Solution Blending the Well Tolerated Peptide Formulation with the Benefit of Microbiome Support

- Kcal**
High Energy 1.3kcal/ml
2000kcal in 3 smartflex
- High Protein**
20% of total energy
100% whey peptide
- MCT**
70% of total fat
- PHGG**
6g/L
- Omega 3**
800mg/L

Hydrolysed 100% whey protein

Whey plays a beneficial role

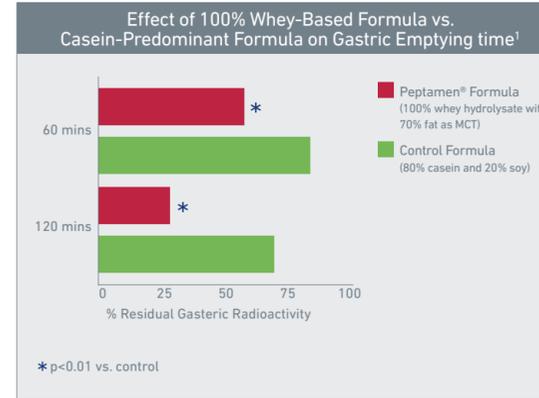
Improving GI tolerance

- Whey protein does not coagulate in the stomach
- Faster gastric emptying than other protein²



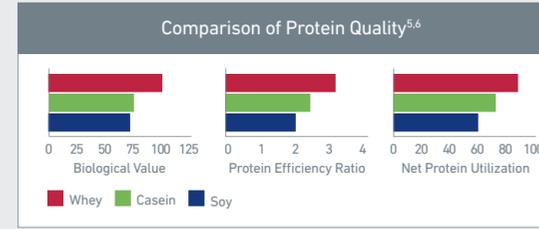
Whey based formula

Casein predominant formula



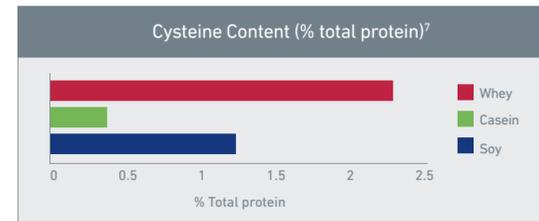
Supporting anabolism of lean body mass

- High quality protein with a PDCAAS (Protein Digestibility-Corrected Amino Acid Score) of 1 and all 9 essential amino acids
- High level of BCAA (Branched-chain amino acid) (leucine, isoleucine, and valine), supporting muscle protein synthesis^{3,4}



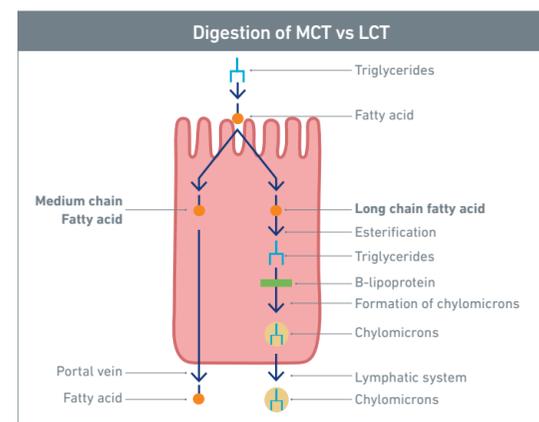
Strengthening antioxidant defense system

- Cysteine is a rate-limiting amino acid for glutathione synthesis⁷
- Glutathione neutralizes free radicals that cause oxidative stress⁷



Medium Chain Triglycerides (MCTs)

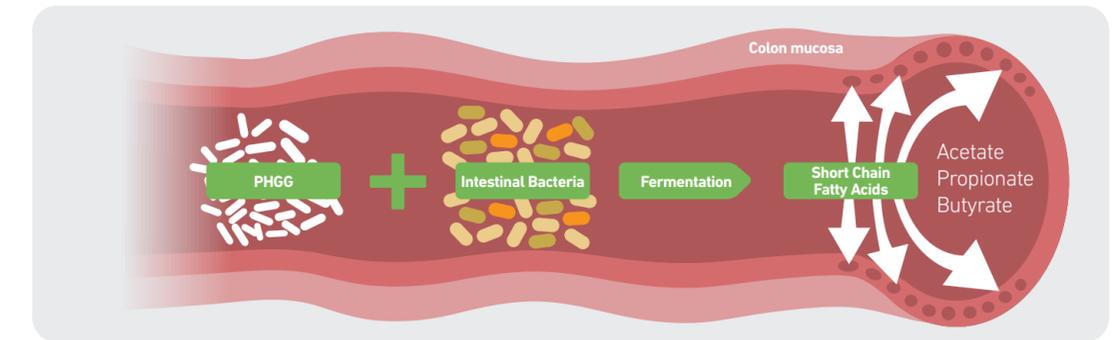
- MCTs can facilitate lipid absorption for rapid digestion to help provide readily available energy⁸ and improve feeding tolerance⁹
- MCT provide more readily available energy than LCT^{10,11}



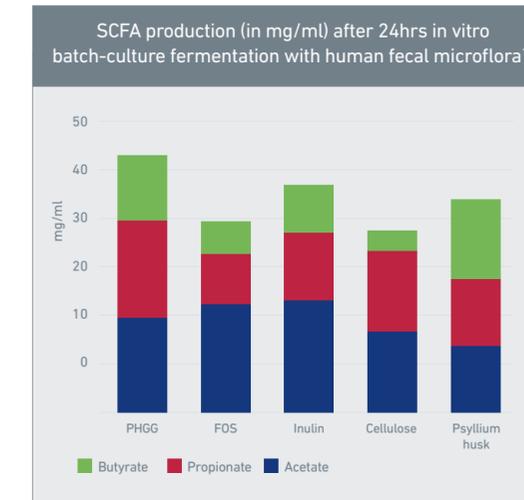
PHGG fiber

PHGG fiber supports the microbiome for improved digestive health

- PHGG is a plant-based, water-soluble dietary fiber with a prebiotic effect¹²
- Many of the physiological effects of PHGG are due to its fermentation by colonic bacteria which leads to the production of Short Chain Fatty Acids (SCFA)¹³
- Higher levels of the SCFA butyrate are good energy source for human colonocytes, crucial for GI health¹⁴



Comparison of production of SCFA



Potential Physiological effects of PHGG

