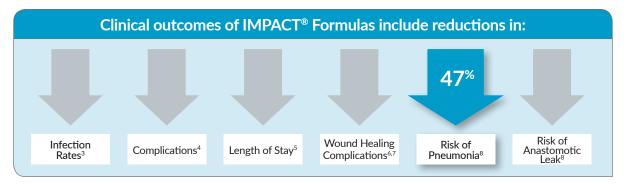
DELIVERING QUALITY, COST-EFFECTIVE CARE WITH IMPACT® FORMULAS^{1,2}:

Reducing Postsurgical Pneumonia

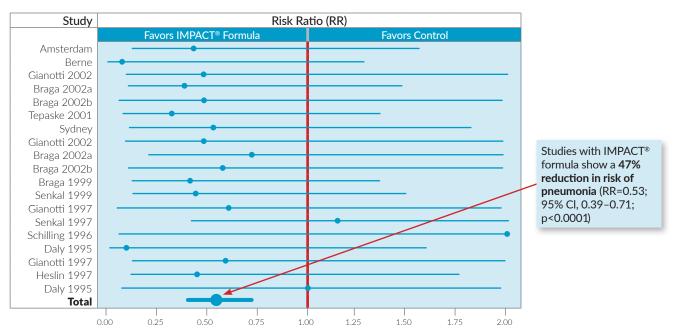


In a meta-analysis of over 2,300 major elective surgery patients, those given IMPACT® formula were found to have a 47% lower risk of pneumonia vs. control.8

Study Objective: To examine the relationship between pre-, peri- and postoperative use of IMPACT® immunonutrition (IM) formula and postoperative morbidity in 17 randomized clinical trials (n=2305) of major elective surgery.

Synopsis:

- Of 17 studies meta-analyzed, 14 were in GI cancer surgery, 2 were in cardiac surgery and 1 in head and neck surgery.
- In aggregate, studies demonstrated:
 - IM was associated with a 51% reduction in risk of postoperative infectious complications (RR=0.49; 95% CI, 0.42-0.58; p<0.0001).
 - A significant reduction in risk of pneumonia (47%, p<0.0001), wound infections, abdominal abscesses, UTIs and anastomotic leaks was shown in IM vs. control.
 - An intention to treat analysis found significance for reduction in the risk of complications except for UTI.
- The pooled difference between the group means showed a 3.1 day (12%–22%) decrease in length of stay (LOS) for patients receiving IM (p<0.05).
- All administration methods showed significant reduction in complications and LOS, with the order being preoperative>perioperative>postoperative.
- Authors concluded 0.5–1 L/day of IM containing arginine, omega-3 fatty acids and nucleotides (IMPACT® formula) for 5–7 days before surgery is part of a proactive approach to infection control in major elective surgery patients.



IMPROVING SURGICAL OUTCOMES WITH

IMPACT Immunonutrition Formulas

Contains a unique blend of arginine, omega-3 fatty acids (EPA+DHA from fish oil), and nucleotides shown to reduce complications in major elective surgery patients³⁻¹¹

Consistent outcomes in over **80 publications** in major elective surgeries, including:
Upper GI, Lower GI, Cardiac, Head and Neck,
Bladder Cancer, Gyn-Oncology, Hip



Nutrition Information

	IMPACT ADVANCED RECOVERY® Drink		IMPACT® Formula	IMPACT® Peptide 1.5 Formula	
Serving Size	Per 178 mL carton	Per 534 mL (3 cartons)	Per 1000 mL	Per 1000 mL	
Supplemental L-arginine (g)	4.2	12.6	12.5	18.7	
EPA + DHA (g)	1.1	3.3	1.7	4.9	
Nucleotides (g)	0.43	1.3	1.2	1.8	
Calories (kcal)	200	600	1,000	1,500	
Protein (g)	18 (35% of total kcal)	54 (35% of total kcal)	56 (22% of total kcal)	94 (25% of total kcal)	

Ordering Information

PRODUCT	PRODUCT CODE	NDC FORMAT NUMBER	CASE UPC (GTIN)	PACKAGING
IMPACT® Unflavored	35810000	43900-0358-10	10043900358106	24-250 mL cartons/case
IMPACT® UltraPak® System	35810800	43900-0358-18	10043900358182	6-1000 mL bags/case
IMPACT ADVANCED RECOVERY® Vanilla	4390099291	43900-0992-90	00043900992914	15-178 mL cartons/case
IMPACT® Peptide 1.5 Unflavored	4390097400	43900-0973-99	10043900974009	24-250 mL cartons/case
IMPACT® Peptide 1.5 UltraPak® System	4390097371	43900-0973-70	10043900973712	6-1000 mL bags/case

NDC Formatted Numbers are not actual National Drug Codes (NDC). They are product codes adjusted according to standard industry practice to meet the format requirements of certain suppliers and payers. Nestlé HealthCare Nutrition submits product information including various product codes to the compendia including First Data Bank, RedBook and Medispan but cannot confirm that the NDC Formatted Numbers submitted have been published by the compendia.

References 1. Mauskopf JA et al. WJSO 2012;10:136. 2. Braga M et al. Nutrition 2005;21:1078-1086. 3. Braga M et al. Surgery 2002;132(5):805-814. 4. Braga M et al. Arch Surg 2002;137:174-180. 5. Drover JW et al. J Am Coll Surg 2011;212(3):385-399. 6. Farreras N et al. Clin Nutr 2005;24:55-65. 7. Rowan NR et al. Oral Onc 2016;54:42-46. 8. Waitzberg DL et al. World J Surg 2006;30:1592-1604. 9. Chapman JS et al. Gynecologic Oncology 2015;137:523-528. 10. Tepaske R et al. JPEN 2007;31(3):173-180. 11. Bertrand J et al. World J Urol 2014;32:233-237.

USE UNDER MEDICAL SUPERVISION. NOT INDICATED WHEN IMMUNE SUPPRESSION IS DESIRED.

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