

Executive Summary:

Proven Surgical Nutrition Protocol with IMPACT Advanced Recovery® Drink



Concept	<ul style="list-style-type: none"> A surgical nutrition protocol incorporating IMPACT Advanced Recovery® Drink provides evidence based immune support for major elective surgery patients to reduce the risk of costly postoperative infectious complications, length of stay (LOS) and readmissions.¹⁻³
Challenges Addressed by IMPACT® Surgical Nutrition	<ul style="list-style-type: none"> The Hospital Acquired Condition (HAC) Reduction Program looks at reducing 6 key measures:⁴ <ol style="list-style-type: none"> 1 – Patient safety indicator (PSI) 90 composite measure (including wound dehiscence rate and pressure injury) 2 – Central line associated bloodstream infections (CLABSI) 3 – Catheter-associated urinary tract infections (CAUTIs) 4 – Surgical site infections (SSIs) specifically in colonic surgeries and abdominal hysterectomies 5 – Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) bacteremia 6 – <i>Clostridium difficile</i> infection (CDI) A large retrospective analysis of major elective surgery patients showed a preoperative kit, including IMPACT Advanced Recovery® Drink, helped to reduce SSI (p<0.044), CAUTI (p<0.007), CDI (p<0.016), and PSI (p<0.001) in the intervention vs. pre-intervention group.⁵ The cost of a single SSI can be more than \$20,000,⁶ therefore a decrease in SSIs can have a significant effect on helping health systems achieve the Triple Aim (Better Health, Better Care, Lower Costs).⁷
Evidence Supporting IMPACT® Surgical Nutrition	<ul style="list-style-type: none"> The blend of immunonutrients in IMPACT Advanced Recovery® Drink is supported by 40+ randomized controlled trials and multiple quality improvement initiatives across multiple surgery types: GI, cardiac, head and neck cancer, bladder cancer, gyn-oncology, orthopedic, thoracic cancer and ventral hernia repair.^{5, 8-16} IMPACT Advanced Recovery® Drink contains immunonutrients recommended perioperatively by the Society of Critical Care Medicine (SCCM) and the American Society of Parenteral And Enteral Nutrition (A.S.P.E.N), the A.S.P.E.N. Guidelines on Nutritional Support Therapy During Adult Anti-Cancer Treatment, the Guidelines on Enteral Nutrition: Surgery (ESPEN), the American Society of Enhanced Recovery (ASER) Implementation Guide, and the Perioperative Quality Initiative (POQI) Joint Consensus Statement.^{17-21*} A 50-58% reduction in hospital readmission of colorectal surgery patients was found with the use of the Strong for Surgery® (S4S) Nutrition Checklist and incorporation of preoperative IMPACT Advanced Recovery®.^{2, 22} <ul style="list-style-type: none"> – Mean total costs were \$2,500 less at discharge for colorectal surgery patients who were S4S checklist and supplemented with IMPACT Advanced Recovery®.²
What Makes IMPACT® Surgical Nutrition Unique	<ul style="list-style-type: none"> The synergistic blend of arginine, omega-3 fatty acids from fish oil, and dietary nucleotides supports the unique nutritional needs of the major elective surgery patient.²³⁻²⁵ Only this unique blend of ingredients is proven to: <ul style="list-style-type: none"> – Reduce the risk of postoperative infectious complications by 51% (p<0.00001) and hospital length of stay by 15% (avg. 2–3 days) (p<0.00001) after major elective surgery.¹ – Reduce the risk of postoperative complications such as anastomotic leak, UTI, nosocomial pneumonia, pharyngeal fistula, wound complications and surgical site infections (SSIs).^{9, 11, 26-28}
Benefits of Using IMPACT® Surgical Nutrition as part of an Enhanced Recovery Protocol (ERP)	<ul style="list-style-type: none"> ERPs that include IMPACT Advanced Recovery® have shown reductions in LOS, readmissions, hospital charges and infection rates.^{12, 15, 16, 29} GI surgery patients provided IMPACT Advanced Recovery® Drink preoperatively as part of an ERP, and at no charge, had a significantly reduced LOS when compared to ERP patients purchasing the product out-of-pocket.³⁰
Implementation	<ul style="list-style-type: none"> Perioperative use of IMPACT Advanced Recovery® Drink is recommended for patients undergoing major elective surgery. Recommend three cartons per day or one UltraPak® per day*** for five days prior to surgery and for at least five days following surgery.^{9, 27, 29} A Nestlé Representative supports implementation of the perioperative protocol by providing program awareness, staff education and compliance support.

* This statement does not constitute an endorsement of IMPACT Advanced Recovery® Drink or any other Nestlé Health Science product by SCCM, A.S.P.E.N., ESPEN or ASER.

** The American College of Surgeons and Strong for Surgery do not endorse IMPACT® formulas or any other product.

Strong for Surgery is a Quality Program of the American College of Surgeons.

*** Initiate IMPACT® Peptide 1.5 or IMPACT® tube feeding formula and advance to ≥1,000 calories/day to meet nutritional needs. Also available in open system.

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USE UNDER MEDICAL SUPERVISION

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