Executive Summary:  
Proven Surgical Nutrition Protocol with IMPACT Advanced Recovery® Drink

| Concept | A perioperative surgical nutrition protocol incorporating IMPACT Advanced Recovery® Drink provides evidence-based immune support for major elective surgery patients to reduce costly postoperative infectious complications.1-3 |
| Challenges Addressed by IMPACT® Surgical Nutrition | The 2016 Hospital Acquired Condition (HAC) Reduction Program looks at reducing 4 key measures:  
1- Patient safety indicator (PSI) 90 composite measure (including wound dehiscence rate)  
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 hysterectomies4  
The cost of a single SSI can be more than $20,000,5 therefore a decrease in SSIs can have a significant effect on helping health systems achieve the Triple Aim (Better Health, Better Care, Lower Costs).6  
Infectious complications increase length of stay (LOS) by an average of 3-11 days7-9 |
| Evidence Supporting IMPACT® Surgical Nutrition | 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, hip, non-small cell lung cancer and ventral hernia repair.1, 10-16  
The immunonutrients found in IMPACT Advanced Recovery® Drink have been 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), and the American Society of Enhanced Recovery (ASER) Implementation Guide.17-20  
IMPACT® formulas meet Strong for Surgery® criteria, a quality improvement initiative supported by the American College of Surgeons (ACS), which advocates use of a preoperative nutrition checklist including use of evidence-based immune-modulating supplementation.21 |
| What Makes IMPACT® Surgical Nutrition Unique | 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.22-24  
This unique blend of ingredients is proven to reduce 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.3 |
| Benefits of Using IMPACT® Surgical Nutrition | The unique blend of nutrients in IMPACT Advanced Recovery® Drink reduces the risk of postoperative complications such as anastomotic leak, UTI, nosocomial pneumonia, pharyngeal fistula, wound complications and surgical site infections (SSIs).11-13, 25-27  
IMPACT® formulas have been shown to contribute a 37% reduction (p=0.005) in risk of SSIs and a 47% reduction (p=0.011) in risk of UTIs.26  
When incorporated preoperatively as part of an Enhanced Recovery Protocol (ERP), IMPACT Advanced Recovery® Drink contributed to decreases in 90-day readmission and prolonged hospital length of stay.16 |
| Implementation | 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.26, 28  
A Nestlé Surgical 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.  
** Initiate IMPACT® Peptide 1.5 or IMPACT® tube feeding formula and advance to ≥1000 calories/day to meet nutritional needs. Also available in open system.  
Strong for Surgery® is a trademark of the American College of Surgeons.
References