IMPACT® Formulas
Proven to Reduce the Risk of Post-Surgical Infectious Complications
A closer look at surgical complications:

Inadequate nutrition intervention negatively affects outcomes,1,2 and healthcare related quality and safety scores, while placing significant healthcare dollars at risk.2

Surgical complications cost the U.S. healthcare system over $25 billion annually.3

Patients with Surgical Site Infections (SSIs) have a 2-6x higher mortality rate than those without SSI.4

$25 billion

40%

$20K+

2-6 times higher mortality

average cost

$20,842 on average9

17% of patients experience complications, of which 40% occur after hospital discharge.6

40% of complications after discharge

One SSI can cost an additional $20,842 on average.9

8-11 days2-5

INCREASED READMISSIONS

Patients who experience a postoperative complication at home are 4 times more likely to be readmitted.6

$17%

40%

QUALITY MEASURES AFFECT REIMBURSEMENT

Providers are being measured on improving quality of care while effectively using resources.4

1 in 5 GI cancer surgery patients experience a postoperative infection!5

LONGER HOSPITAL STAYS

Infectious complications increase length of stay (LOS) by an average of 3-11 days.2-5

Health Systems are focused on achieving the Triple Aim.8

Infectious complications are costly for patients and providers.

Surgical complications are a costly problem, putting even well-nourished patients at risk.9

The figure below shows gut oxygen tension measured during surgery and throughout the first postoperative week. The risk of hypoxia and ischemia increases as oxygen tension falls at the surgical anastomosis.\(^1\)

**IMPACT® formulas increase oxygenation to the surgical wound versus standard oral nutrition or no intervention.\(^1\)**

**IMPACT® Oral Formula vs. Standard ONS or No Intervention**

Patients receiving IMPACT Oral Formula had higher oxygen levels intra- and post-operatively.

**Pre-Op IMPACT**

**Peri-Op IMPACT**

**Pre-Op IC/IN ONS+**

No Supplement

-- Gut Oxygen Tension (mmHg)

\(*p<0.01\)

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*Adapted from: Braga M et al. Surg 2002;132:805-14.*

**IMPACT®** has more clinical evidence and more positive outcomes than any other immunonutrition formula.
Prepare your patients for surgery with IMPACT® — the proven protocol.

**Diary Nucleotides:** Help rebuild rapidly-dividing cells

**Arginine:**
- Helps support the body’s defenses against infection.
- Increases gut oxygenation and colonic microperfusion.

**Omega-3 Fatty Acids:**
- Help manage inflammation.

**IMPACT® Formulas**
- Reduced the risk of infectious complications vs. standard nutrition formulas.
- Other arginine-supplemented formulas showed a 5% reduction versus standard nutrition.

**Critical Care Nutrition Guidelines** support immune-modulating ingredients provided in IMPACT® formulas:
- For perioperative use in the surgical ICU
- For patients with severe trauma
- For patients with traumatic brain injuries

**Resources to support your immunonutrition protocol**
- ENact™ QI Initiatives and Nutrition Protocols
- ENact Tools are available to help clinicians begin a surgical nutrition protocol.
- Visit www.enactnutrition.com to download your Implementation Tools.

**Preparation for Surgery with IMPACT®**

**It’s a simple protocol:**
- Consume for 5 days before surgery and at least 5 days after surgery.

**3 Cartons per day or 1 UltraPak® per day**
- for at least 5 days **BEFORE and AFTER surgery**

Successfully used in conjunction with Enhanced Recovery Protocols (ERPs)!

**Strong for Surgery Criteria**
- Quality improvement initiatives such as Strong for Surgery advocate use of evidence-based immune-modulating supplementation.
- Strong for Surgery is supported by the American College of Surgeons and utilizes a preoperative nutrition checklist.

**IMPACT® Formulas** meet Strong for Surgery Criteria.

**Quality Improvement Initiatives**
- Strong for Surgery
- Preop Checklist
- Use of evidence-based immune-modulating supplementation

**IMPACT® Formulas**
- Meet Strong for Surgery Criteria
- Preop Checklist
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**Enact**
- ENact™ is supported by over 40 randomized controlled trials.

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**ENact™** is supported by over 40 randomized controlled trials.
**Clinical outcomes** with IMPACT® formulas include decreases in:

- Surgical Site infections (37% decrease, \(p<0.005\))
- Anastomotic leaks (44% decrease, \(p=0.004\))
- Abdominal abscesses (54% decrease, \(p<0.001\))
- Urinary tract infections (47% decrease, \(p=0.011\))
- Pneumonia (47% decrease, \(p<0.0001\))
- 30-day readmissions (50% decrease, \(p=0.08\))

**ORDERING INFORMATION**

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<th>IMPACT® FORMULA</th>
<th>PRODUCT CODE</th>
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**IMPACT® PEPTIDE 1.5**

Peptide-Based, Complete Nutrition for Immune Support

Shown in a retrospective chart review of 113 patients to be better tolerated than Pivot® 1.5 Cal; less diarrhea and need for rectal tubes.\(^2\)

**IMPACT ADVANCED RECOVERY®**

Immunonutrition Drink

First and only oral immunonutrition formula in the U.S. to contain a unique blend of supplemental arginine, omega-3 fatty acids from fish oil and dietary nucleotides.

**IMPACT®**

Immunonutrition for Surgical and Trauma Patients

Improving surgical outcomes for over 20 years.