# Novel Method for Accelerating Alimentary Tract Recovery in Post Abdominal Surgeries

Tech ID: 21886 / UC Case 2011-054-0

## BACKGROUND

Ileus is the hypomotility of the gastrointestinal tract in the absence of mechanical bowel obstruction. Postoperative ileus occurs in approximately 50 percent of patients who undergo major abdominal surgery. The clinical consequences of postoperative ileus may be profound and increases medical costs due to prolonged hospital stays.

## TECHNOLOGY DESCRIPTION

Researchers from UC San Diego have developed a method to attenuate postoperative intestinal complications (ileus). This technology provides techniques to reduce intestinal dysfunction including a lack of intestinal food transport by lack of peristalsis after intestinal ischemia, intestinal resections, and other surgical conditions associated with intestinal injury. This technology includes the use of serine protease inhibitors to reduce the postoperative ileus.

## INTELLECTUAL PROPERTY INFO

Worldwide non-exclusive rights available; pending patents available under confidentiality.

## RELATED MATERIALS

- Saltzman DJ, FA DeLano, GW Schmid-Schönbein (2010) Enteral and Peritoneal Blockade of Serine Proteolytic Enzymes Accelerates Post-Surgical Bowel Function Recovery. J Am Coll Surg, Vol. 211 (3S) September 2010. (2010 Clinical Congress of the American College of Surgeons. October 3-7, 2010. Washington, DC, USA)

## PATENT STATUS

| Country | Type | Number | Dated | Case |
|---|---|---|---|---|
| United States Of America | Issued Patent | 9,962,432 | 05/08/2018 | 2011-054 |
| United States Of America | Issued Patent | 9,295,715 | 03/29/2016 | 2011-054 |

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## INVENTORS

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## OTHER INFORMATION

### CATEGORIZED AS

- **Medical**
  - Disease: Digestive System
  - Rehabilitation
  - Therapeutics

### RELATED CASES

2011-054-0

## ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Microarray for High Throughput Detection of Enzymatic Activity
- A New Method To Accelerate Tissue and Wound Healing Rates and Reduce Swelling and Scar Formation



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