

SurgiMend®*Collagen Matrix for Soft
Tissue Reconstruction*

Repair of a Recurrent Ventral Hernia with SurgiMend®

Robert Bell, MD
Yale-New Haven Hospital
New Haven, Connecticut

Patient Presentation

A 73-year-old male with prior resection of a colon tumor presented with a ninth recurrence of a ventral hernia and incarcerated bowel. Since the time of the original colon resection, the patient had a history of hospitalizations due to small bowel obstruction and eight incisional hernia surgeries.

Surgical Intervention

The larger hernia defect with incarcerated bowel was targeted for repair with SurgiMend. The surgical plan was for a small bowel resection of incarcerated bowel, due to extensive adhesions, with primary anastomosis.

There were numerous, smaller holes in the patient's abdominal wall. These smaller, lateral defects were closed primarily. For the large, incarcerated hernia, a small bowel resection was performed. Then the fascia was closed at the superior and inferior aspects, with a 3 cm x 6 cm defect remaining in the center.

Two 6 cm x 12 cm pieces of SurgiMend were used in a sandwich manner to close the remaining defect. The first 6 cm x 12 cm piece of SurgiMend was placed under the fascia and secured to the fascia with 12 mattress sutures using multi-braided polyester (0-TI-CRON®). The second piece of SurgiMend was placed anterior to the fascia and secured with eight additional mattress sutures.

SurgiMend was selected in part due to its biologic origin and ability to remodel over time. In addition, SurgiMend was selected because of its rapid hydration time of approximately 60 seconds and availability in large sizes.

Clinical Outcome

The post-operative course was uneventful. The patient developed a frank wound infection due to the nature of the procedure and the poor quality of skin coverage; however, the infection cleared promptly and without incident. At six-month follow-up, there was no clinical evidence of reherniation despite the patient's post-operative weight gain of 50 pounds. At 18 months post-op, there was no clinical evidence of reherniation.

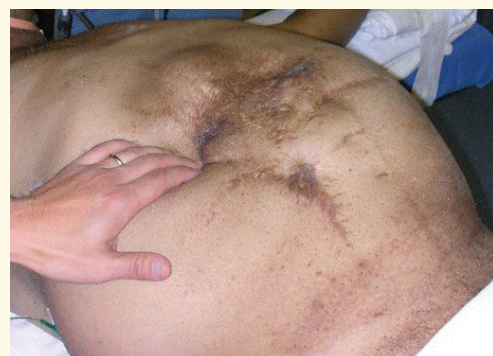


Figure 1. Recurrent ventral hernia with incarcerated bowel, pre-operative.



Figure 2. SurgiMend being sutured in place using size 0 multi-braided polyester.

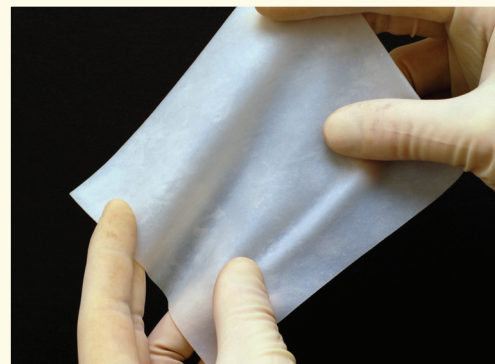
SurgiMend® Collagen Matrix for Soft Tissue Reconstruction is part of a family of soft tissue repair products developed and manufactured by TEI Biosciences Inc.

SurgiMend is intended for implantation to reinforce weak or damaged soft tissues.

SurgiMend is specifically indicated for:

- Plastic and reconstructive surgery
- Muscle flap reinforcement
- Hernia repair including abdominal, inguinal, femoral, diaphragmatic, scrotal, umbilical, and incisional hernias

Please refer to the SurgiMend Instructions for Use enclosed in each product package for complete indications, instructions, warnings and precautions.



TEI
BIOSCIENCES
Repair | Reinforce | Regenerate

7 Elkins Street
Boston, Massachusetts
02127 USA
866.524.0022 (toll-free)
617.268.1616
888.623.2259 (fax)
www.teibio.com

SurgiMend is a registered trademark of TEI Biosciences Inc.
TI-CRON is a registered trademark of Tyco Group S.A.R.L.
© 2009 — TEI Biosciences Inc. — All rights reserved.
PN 606-999-002 v05

