



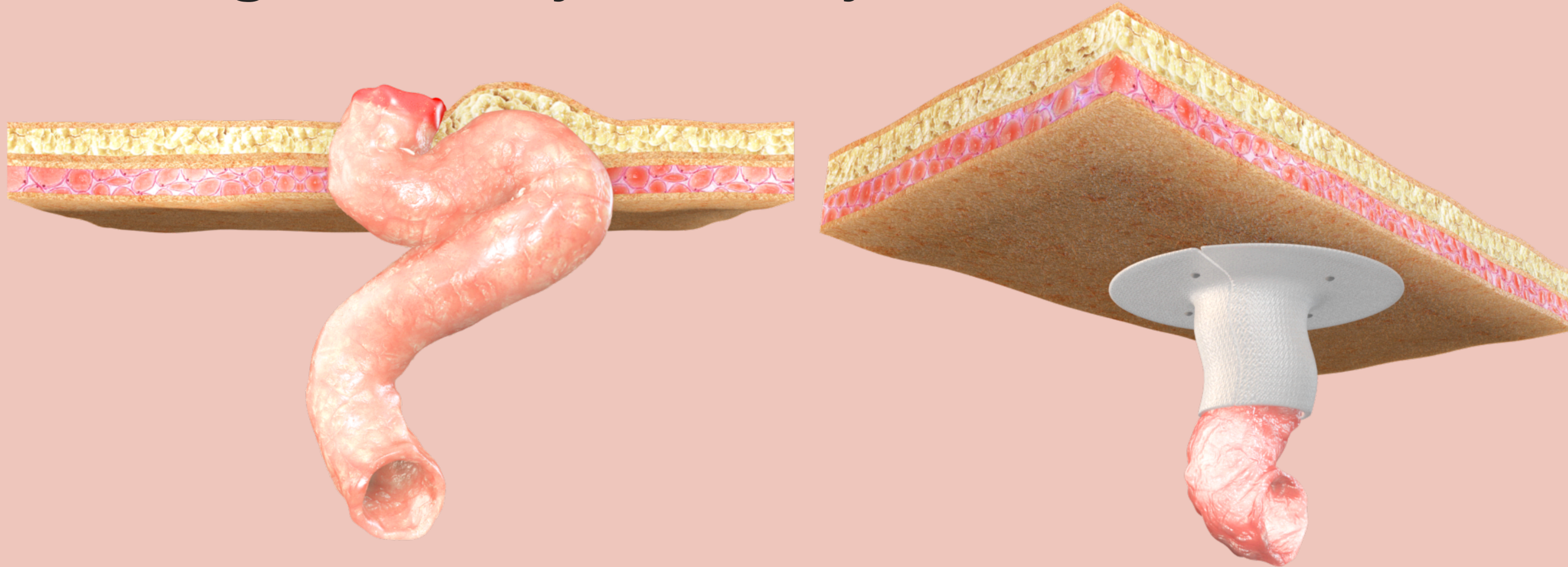
A Novel Top Hat Laparoscopic Approach to Parastomal Hernia Repair: Synthetic Absorbable Mesh Construction



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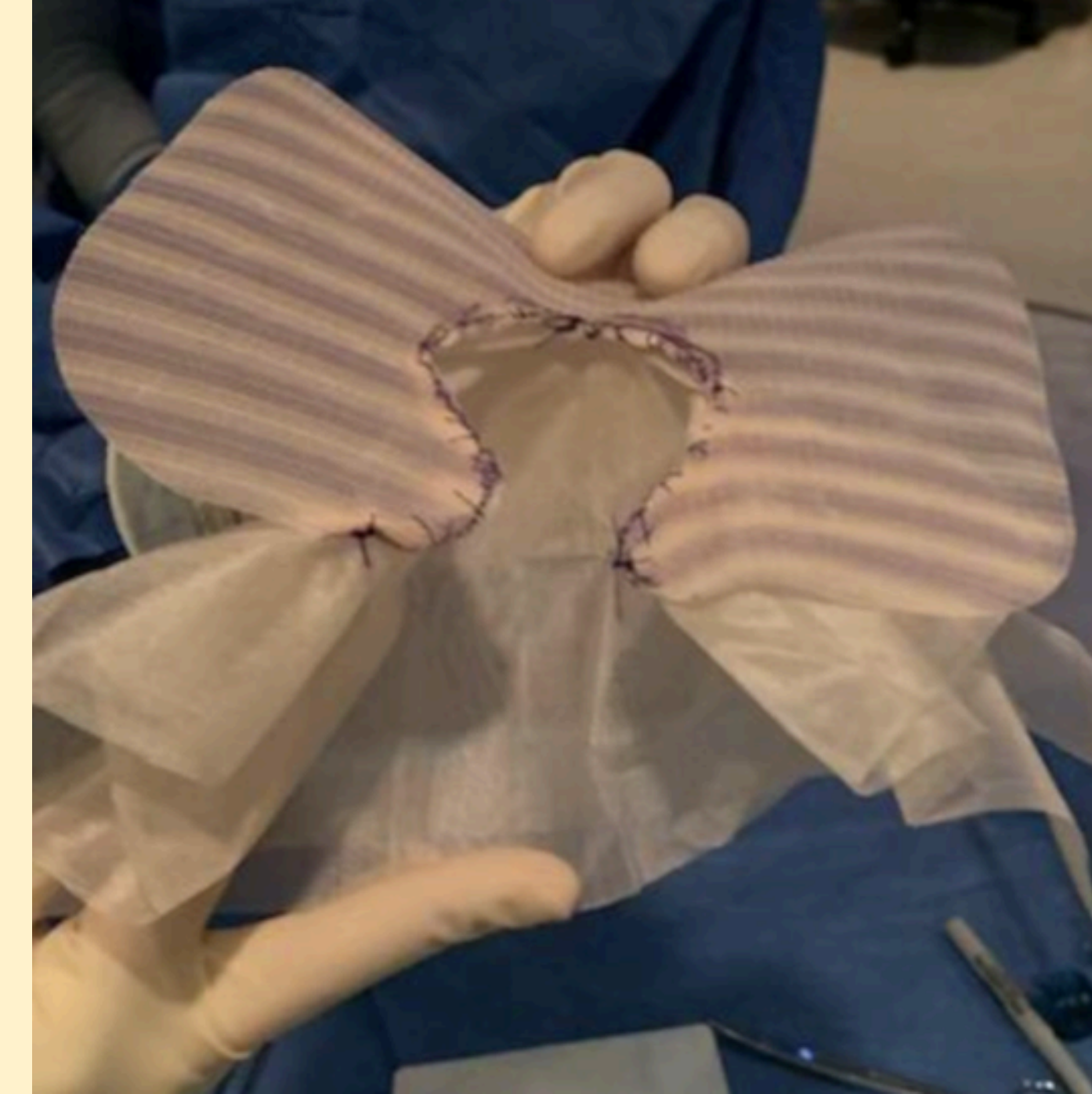
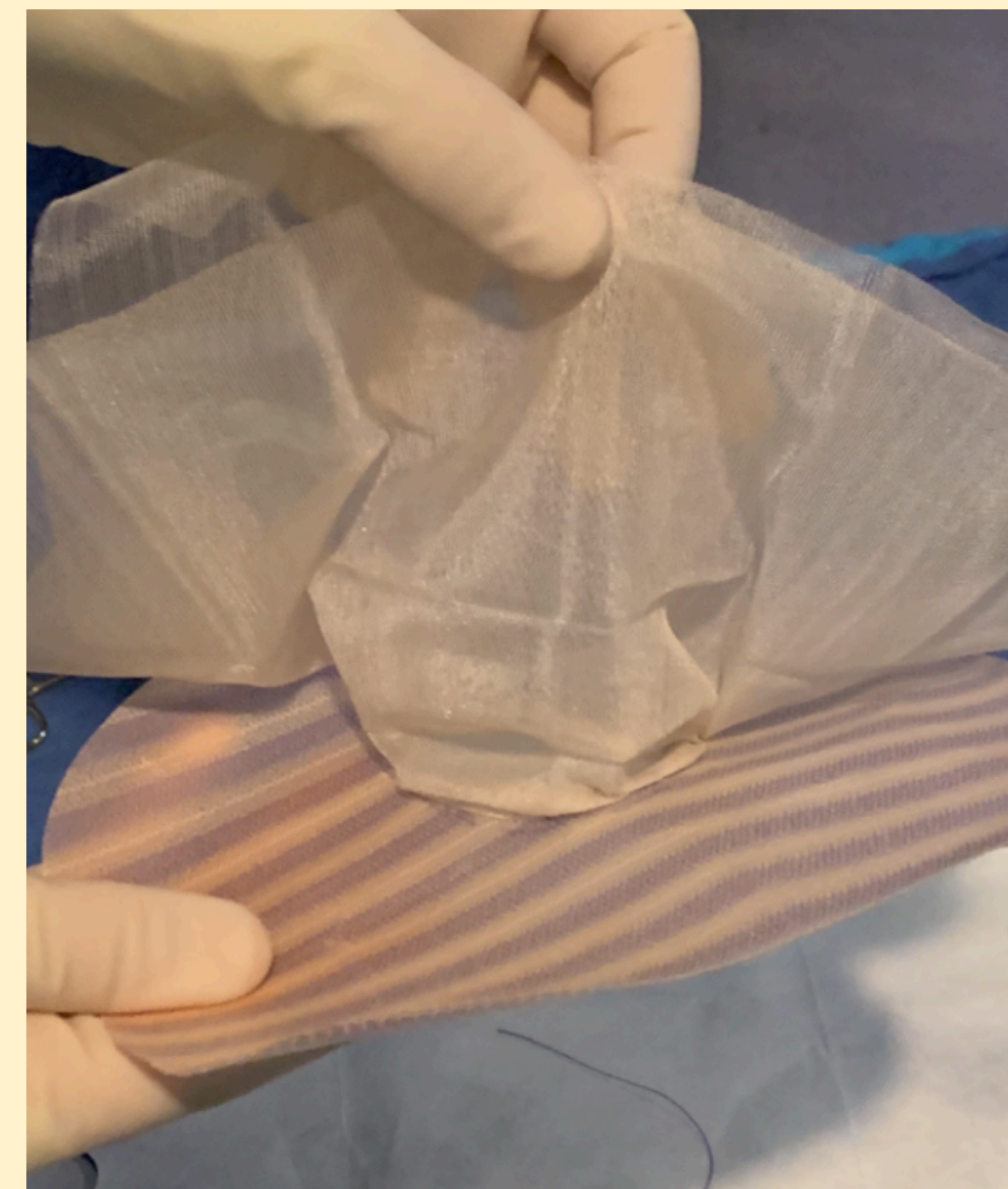
INTRODUCTION

- Open parastomal hernia “top hat” repair has been reported with low recurrence
- We report a laparoscopic repair for two patients:
- 62-year-old woman with parastomal hernia and intermittent SBO, at ileostomy site s/p remote subtotal colectomy for ulcerative colitis
- 71-year-old man with parastomal hernia and intermittent SBO, at an ileal conduit created during radical cystectomy



METHODS

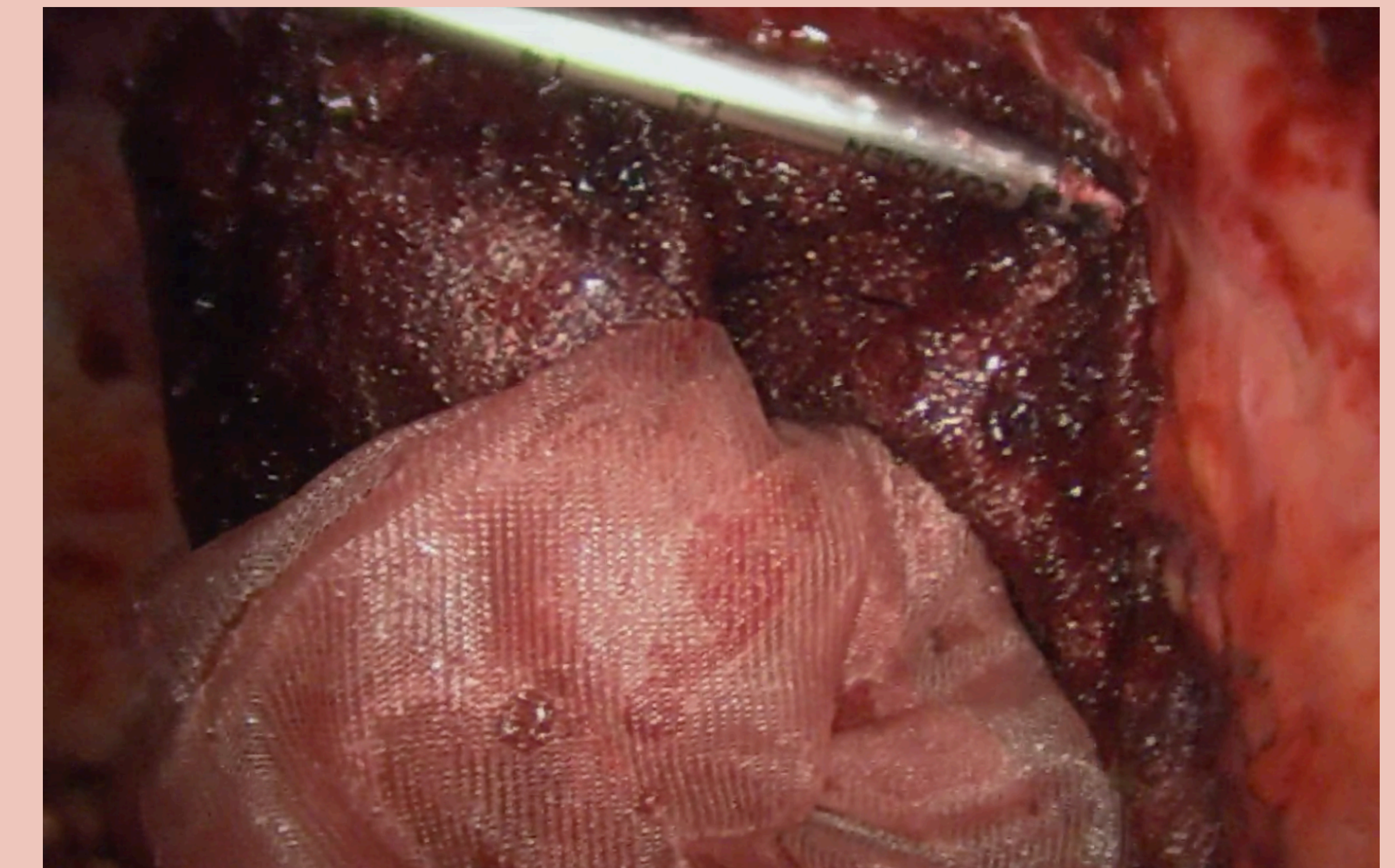
- Both procedures required lysis of adhesions and hernia sac excision, with repair of the parastomal defects
- Absorbable Phasix™ ST Mesh fashioned in a keyhole pattern and 2-0 PDS suture were used to create a VICRYL Woven Mesh skirt in the shape of an inverted "top hat"



- The mesh was laparoscopically placed in an underlay fashion with 5-cm overlap circumferentially around the hernia repair

RESULTS

- At 12 months, both repairs remained functional and intact
- Our experience indicates that laparoscopic parastomal hernia repair with mesh can be achieved with favorable early post-operative outcomes.
- The success of this novel approach in preventing parastomal hernia recurrence is likely due to the fabrication of the “top hat.”



No conversions to open surgery occurred and blood loss was minimal.
Hospital stay ranged from 1 to 2 days. No 30-day hospital readmissions, no early hernia recurrences, or no other complications.