What happens when you bring together the latest ideas in open ventral hernia fixation?
Forward-tilted handle for improved ergonomics and access

Curved cannula to improve handling and maneuvering around anatomical barriers
Introducing ETHICON SECURESTRAP® Open Absorbable Strap Fixation Device:

The shape of innovation in open ventral hernia fixation

Metric ruler on cannula designed to help ensure proper mesh overlap

Strap-positioning tip designed for proper strap placement with holding points to improve traction and tensioning with porous meshes\(^1\,\,^2\)

Straps are shown at actual size: 6.7 mm from inner crown to tip\(^1\)

20 synthetic absorbable straps dyed purple for clear visibility in the abdominal cavity\(^1\)
ETHICON SECURESTRAP® Open Absorbable Strap Fixation Device is built on the proven technology of ETHICON SECURESTRAP® Absorbable Strap Fixation Device

ETHICON SECURESTRAP Fixation Device is shown in a preliminary study of patients from the International Hernia Mesh Registry (IHMR) to be safe and to provide an improvement in pain levels compared to baseline level.

*Prospective, longitudinal study of ETHICON SECURESTRAP Fixation Device in hernia repair from the International Hernia Mesh Registry (IHMR). 88 patients (group 1) were treated with mechanical mesh fixation alone, and 98 patients with mechanical fixation + sutures (group 2). Hernia types (%) in group 1 and 2 were, respectively: incisional/ventral (43.2 and 74.5), umbilical (23.9 and 11.2), epigastric (11.4 and 41) and were mostly primary repairs (87.5 and 78.6) done laparoscopically (97.7 and 98.0). Most common adverse events, respectively: seroma (8.0% and 18.4%), hematoma (2.3% in group 1), procedural pain (2.3% and 2.0%), and urinary retention (2.0% in group 2). Hernia recurrences (up to 12 months) respectively: 1% (1 medically confirmed) and 71% (4 medically confirmed and 3 unconfirmed). Patients with symptomatic CCS pain and movement limitations scores, improved from baseline (70.9%; 61.1%) to 12 months (29.9%; 19.7%), respectively (p<0.001). A total of seventy-seven patients from groups 1 and 2 had 12-month data. The Carolinas Comfort Scale™ defines symptomatic pain as a score greater than 1 (mild but not bothersome symptoms) for at least 1 question within the domains of severity of pain, sensation of mesh, or movement limitation.

A unique, absorbable strap design delivers secure mesh fixation during the tissue integration period

- 2 points of fixation to straddle mesh pores and fibers
- Each strap is 6.7 mm from inner crown to tip
- Straps are essentially absorbed in 12-18 months

*Shown in an animal model
Superior acute fixation at various deployment angles\textsuperscript{6,7}

Appropriate tissue capture and penetration at multiple angles\textsuperscript{7}

Data was generated using a benchtop test that examined initial holding strength at various deployment angles\textsuperscript{6,7}

- At 45 degrees, ETHICON SECURESTRAP Fixation Device has a statistically significant difference in median holding strength compared with AbsorbaTack\textsuperscript{†} ($P<0.05$)
- At 90 and 45 degrees, ETHICON SECURESTRAP Fixation Device has a statistically significant difference in median holding strength compared with SorbaFix\textsuperscript{‡} ($P<0.05$)

*Two points of fixation and mid-plane symmetry require that data be collected horizontally and vertically.
†AbsorbaTack* Instructions for Use require that the distal tip of the device is at a right angle to the targeted tissue to facilitate appropriate insertion of the tack.
‡SorbaFix* Instructions for Use state that the fasteners should be placed entirely into the tissue and the head of the fastener should be firm against the mesh or tissue in order to achieve the best fixation performance.
Suture-only fixation potentially adds risk, cost, and time to open ventral hernia repair.

The longer the duration of hernia repair surgery, the greater the potential impact on patients and cost.

- 26% increase in surgical mesh infection risk for every incremental 30 minutes of surgery time.
- 59% increase in likelihood of postoperative nausea and vomiting for every additional 30 minutes of anesthesia time.

Enhanced tip for sublay repair

- Grips (“holding points”) on the cannula cap
- Designed to facilitate mesh and strap placement in retromuscular repair.
- Designed to improve traction and tensioning with porous meshes.

When implanted in the sublay space and properly fixated with ETHICON SECURESTRAP Open Absorbable Strap Fixation Device, mesh is sufficiently secured to withstand expected abdominal pressures.

Improved packaging

- Easier to open
- Simplified device removal
- Smaller dimensions
- Saves shelf space
- Reduces waste

*As shown in benchtop testing in animal tissue, which only looked at initial strength of the strap when used with PROLENE® Polypropylene Mesh. Because the straps absorb and lose strength over time, the long-term post-surgical relevance is not known.
Deliver a significantly more efficient and less stressful repair*

89% reduction in fixation time versus suture fixation alone with ETHICON SECURESTRAP Open Absorbable Strap Fixation Device¹²

An average savings of 35 minutes¹²

55% reduction in surgical stress versus suture fixation alone with ETHICON SECURESTRAP Open Absorbable Strap Fixation Device¹²,¹³

• Surgical stress is a key component of surgical performance, and its reduction can help improve patient outcomes¹⁴

*In IPOM procedures
Put the latest ideas in open ventral hernia repair to work for you

**ETHICON SECURESTRAP® Open Absorbable Strap Fixation Device combines proven technology with a design optimized for open repairs**

<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPSTRAP20</td>
<td>• Single-unit device with 20 absorbable straps</td>
<td>• 6 devices per box</td>
</tr>
</tbody>
</table>

For complete indications, contraindications, warnings, precautions, and adverse reactions, please reference full package insert.