**EndoFast Reliant™ System**

Soft Tissue Fixation Solution for Pelvic Organ Prolapse Repair

*Single Incision, Trans vaginal, Trocar-less, Reversible Approach*

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The **EndoFast Reliant™ System** provides a minimally invasive, safe surgical solution for fastening of mesh to soft tissues using proprietary Spider Fasteners™, which provide unmatched strength with minimal depth of tissue penetration. The system enables the correction of all types of Pelvic Organ Prolapse through a single vaginal incision, requiring no trocar passages, resulting in less trauma and lower complication rate, presenting a dramatic shift compared with today’s predominantly blind techniques.

The device is FDA cleared and CE approved.
**EndoFast™ Spider Fastener Technology**

EndoFast™ fastening technology utilizes a unique, small fastener deployed into soft tissue, in order to attach and to reinforce the tissue. This Spider Fastener™ technology ensures optimal fixation of mesh to tissues:

- Attachment to soft tissue - Ligament, muscle, fascia
- Pullout force - Minimum of 1kg per fastener
- Limited depth of penetration - Shallow application, 2mm deep, causing no damage to visceral organs
- Reversibility - Fastener can be easily retrieved intra-operatively if needed, without causing any damage to tissue and/or mesh
- Versatile use - Ability to apply different types of synthetic meshes
- MRI conditional - Review Instruction for use or contact IBI medical.

**EndoFast™ Unique Features**

**Single Hand Fixation Device**

Small grips on both sides of EndoFast’s fixation device designed to hold the mesh in place during access to the fixation anatomic landmark. When the fastener is deployed, the grips retrieve into the body of the fixation device, releasing the surgical mesh.

- Mesh attachment to the fixation device is done prior to entering the pelvic cavity, leaving one hand free for palpation and guidance to the anatomical site, enabling Single Hand Use
- Short spikes on the tip and use of free hand for guidance help avoid tissue entrapment
- Maneuverability in the narrow pelvic cavity is made easy and convenient

**Mesh Variety**

EndoFast has the ability to apply different types of mesh to soft tissue and offers several types of light and lighter mesh with:

- Excellent biocompatibility
- Great mechanical stability
- High flexibility
- Increased adjustability
- Soft and convenient for handling

**Reversibility**

EndoFast’s unique fasteners technology enables retrieval of fasteners without causing damage either to the tissue or mesh and without causing pain due to the shallow repositioning

- Enables repositioning
- Enhances procedure flexibility
**Key Advantages of the EndoFast Reliant™ System**

Key opinion leaders have shown the system’s advantages in the repair of Pelvic Organ Prolapse. The data supports the advantages offered by the novel product as a new paradigm of minimally invasive urogynecology:

<table>
<thead>
<tr>
<th>Per procedure</th>
<th>EndoFast Reliant™</th>
<th>Standard Percutaneous Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>During Procedure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trocar use</td>
<td>Trocar-less</td>
<td>Blind trocar passing</td>
</tr>
<tr>
<td>No. of incisions</td>
<td>Single incision</td>
<td>Minimum 5 incisions</td>
</tr>
<tr>
<td>Average tunneling required</td>
<td>None</td>
<td>5-10cm per tunnel</td>
</tr>
<tr>
<td>Procedure length</td>
<td>~25 minutes</td>
<td>~45 minutes</td>
</tr>
<tr>
<td>Dissection required</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Reposition</td>
<td>Extraction of fastener possible and easy</td>
<td>Limited, extraction causes damage and pain</td>
</tr>
<tr>
<td>Visualization &amp; palpation</td>
<td>Better control, less risk</td>
<td>less control, higher risk</td>
</tr>
<tr>
<td>Mesh arms</td>
<td>Short and compact arms, reduce risk of erosions/exposures</td>
<td>Long arms, increase the risk for tissue entrapment and complications</td>
</tr>
<tr>
<td><strong>Post Procedure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post operative hospitalization</td>
<td>1 day</td>
<td>3 – 5 days</td>
</tr>
<tr>
<td>Pain</td>
<td>Spider shaped fastener allows shallow penetration (2mm) fixation to the fascia reducing pain significantly</td>
<td>Pain lasts longer. Especially evident in the buttocks area, where the trocars penetrated the musculature</td>
</tr>
<tr>
<td>Post operative visualization</td>
<td>Fastener allows radiologic checkup of the position</td>
<td>No modality to demonstrate right positioning post operatively</td>
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</table>
The company
IBI Israel Biomedical Innovations redefines the way surgical care is delivered to the patient, by developing cutting-edge medical technologies providing minimally-invasive solutions in various surgical fields.

Contact
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