Endoflip® is an advanced imaging system and patented technology that provides an internal view of the gastroesophageal (GE) junction during endoscopic and surgical procedures. It captures unique measurements of the pressure and dimensions in the esophagus and within other sphincters of the alimentary canal to assist in evaluating gastrointestinal disorders.

The Endoflip® System is an additional tool that can be used with other diagnostic methods to evaluate patients with symptoms consistent with gastrointestinal motility disorders. Endoflip® transforms how dysphagia assessment is performed enabling medical professionals to provide exceptional patient care by minimizing patient discomfort.

Endoflip® 2.0 introducing Flip® Topography, will transform the way esophageal motility assessment is performed by providing real-time measurements to determine if the patient has a major motility disorder during endoscopy.

1Carlson et al., Am J Gastroenterol. 2016 Dec;111(12):1726-1735.

The Endoflip® System with Flip® Topography Module is indicated for use in a clinical setting to measure pressure and dimensions in the esophagus, pylorus and anal sphincters. It is intended to be used as an adjunct to other diagnostic methods as part of a comprehensive evaluation of patients with symptoms consistent with gastrointestinal motility disorders.
A New Way for Endoscopists to Assess Motility Disorders

Endoflip® 2.0 will enable medical professionals to provide exceptional patient care by minimizing patient discomfort and reducing time to treatment through the early detection of major motility disorders.

- Ability to assess patient motility disorders during endoscopy
- Complementary method to HRM
- Minimizes patient discomfort
- Real-time measurement data
- Reduced time to treatment
- Reimbursement Code CPT 91040
- Easy to use

<table>
<thead>
<tr>
<th>Product Features</th>
<th>Endoflip® 1.0</th>
<th>Endoflip® 2.0</th>
</tr>
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<tbody>
<tr>
<td>Flip® imaging software</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Cart</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Different balloon catheter size options</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Real-time measurement</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Diameter and compliance within esophagus and sphincters of alimentary canal</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Screen size</td>
<td>10.5”</td>
<td>24”</td>
</tr>
<tr>
<td>Flip® Topography</td>
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<td>✓</td>
</tr>
<tr>
<td>Measurement of contractility patterns</td>
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<tr>
<td>Screening for motility disorders</td>
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<td>✓</td>
</tr>
<tr>
<td>Data output</td>
<td>Raw data to USB</td>
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</tr>
</tbody>
</table>
Therapeutic Esophageal Intervention

Esoflip® is an advanced dilation technology, used during endoscopy, that transforms patient treatment of esophageal strictures without the need for fluoroscopy.

Esoflip® interfaces with the Endoflip® System to provide a comprehensive view of the esophagus to accurately measure stricture size before and after each stage of balloon dilation. This enables gastroenterologists to dilate patients in a controlled manner, raising the benchmark of patient care provided in dilation of esophageal strictures.

Esoflip® balloon catheters are indicated for use in a clinical setting for dilating the gastroesophageal (GE) junction of a patient with achalasia and to dilate esophageal strictures due to esophageal surgery, primary gastroesophageal reflux disease or radiation therapy.

- Measures strictures at intermediate levels of dilation diameter
- Ability to stop and evaluate before dilating further
- Dilation is hands free, slow and controlled for clinician
- Fluoroscopy not required, no radiation exposure to patients or staff

- Effectively measures recoil after dilation
- Easy to locate stricture
- Ability to determine if balloon is moving during procedure
Flip® technology

Flip® or functional luminal imaging probe technology, is at the core of the Endoflip® imaging system and the Esoflip® therapeutic esophageal intervention. Both were developed by medical device company Crospon, headquartered in Galway, Ireland. Flip® uses high-resolution impedance planimetry during volume-controlled distension to measure luminal geometry and pressure to assess the mechanical properties of the esophageal wall and opening dynamics of the gastroesophageal junction in various esophageal diseases.

The Endoflip® System and its accessory catheters have US Food and Drug Administration (FDA) clearance to measure pressure and dimensions in the esophagus, pylorus and anal sphincters. It is intended to be used as an adjunct to other diagnostic methods as part of a comprehensive evaluation of patients with symptoms consistent with gastrointestinal motility disorders. It is also used to guide therapy during specialized esophageal surgery.

The technology behind Endoflip® – how it works

Endoflip® uses a technique called high resolution impedance planimetry (IP) to characterize the geometry of the measurement area. High resolution IP is an established technique for performing measurements of cross-sectional areas in the alimentary tract.

It uses AC voltage measurements made between pairs of electrodes to estimate the extent of the diameter of the medium – a conductive fluid – at the midpoint between those electrodes. This can be done provided the voltage drop across the medium is generated from a constant AC current source and the conductivity of the medium is constant and known for a given temperature.

Endoflip® injects a specially-formulated conductive solution into a balloon catheter placed in the measurement area. The balloon contains an array of electrodes that measure voltage. Endoflip® uses these voltages to estimate the diameter at up to 16 points along the measurement area. The system allows snapshots of this data to be saved and commented for reference.