EndoStim® Anti-reflux Therapy

EndoStim is a revolutionary minimally invasive, low-energy, personalized esophageal stimulation device

A smart therapy
Normalizes the function of the lower esophageal sphincter through neuromodulation; therapy can be personalized for each patient

Gentle procedure
Preserves natural anatomy to avoid typical gastro-intestinal side effects of traditional anti-reflux surgery

Safe and effective
Excellent clinical outcomes in trials and in standard clinical practice. Most patients experience:
- Resolution of regurgitation and heartburn
- Significant improvement in sleep issues related to reflux
- Elimination of dependency on PPI medication
- Long-term normalization of acid exposure and sphincter function

EndoStim has been used successfully in Germany and worldwide for several years and is now enrolling patients in a registry clinical trial.

The Lost Reflux Patient
Studies recently confirmed that approximately 30% of reflux patients are not adequately treated on PPI therapy alone.

Some of these patients suffer from debilitating symptoms despite PPI use, such as:
- sleep disruption
- ongoing regurgitation
- ongoing heartburn
- vocal impairment
- respiratory complications

Many of these patients have not yet been given the opportunity for specific reflux diagnostics nor additional therapy options aside from their PPI.

Electrical stimulation technology that has transformed cardiac rhythm and pain management is now offered as a new minimally-invasive treatment for reflux that can normalize esophageal function.

The Ideal EndoStim Candidate
- On daily PPI therapy for >1 year and dissatisfied with PPI
- GerdQ Score ≥ 8
- NERD or esophagitis LA Grade A-C
- No hernia or hernia which can be corrected during the procedure
- GERD by pathological pH (24-hour pH <4.0 for >4.0% or DeMeester Score >14 off-PPI)

Additional Patient Groups
- GERD in bariatric sleeve patients
- Extra-esophageal symptoms
- Esophageal dysmotility

The EndoStim Procedure

1. Attach electrodes by two stitches to the anterior esophagus
2. Connect the electrodes to the EndoStim stimulator
3. Begin stimulation therapy
4. Annual follow-ups Wirelessly adjust therapy if needed

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International clinical results

Meta analysis of 2 published trials: Significant Improvement in GERD Symptoms and Esophageal pH

66 patients from 11 centers in 2 long-term clinical trials up to 4 years of follow-up

Outcomes from ongoing multicenter commercial patient registry confirm results of the 2 long-term studies

Data from ongoing post-market patient registry including 11 sites in Germany, Denmark, Netherlands, Mexico, Argentina, confirm results of the clinical trials (accepted for presentation)

Select Publications, LES Stimulation Therapy


Additional data on file.