EndoStim Typically:

- Controls abnormal acid exposure
- Relieves day and night heartburn and regurgitation symptoms
- Eliminates dependence on daily anti-reflux medications

Benefits of EndoStim:

- Improves quality of life, including sleep
- Minimal impact on natural anatomy
- Preserves normal swallow and belch function
- Minimally invasive procedure
- Quick recovery and return to normal life
- Personalized therapy. Stimulation settings can be adjusted wirelessly

A Solution for Reflux after Sleeve Gastrectomy

EndoStim Restores Normal Sphincter Function and Controls Reflux Symptoms

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Important Reminder: This information is intended only to provide general information and not as a definitive basis for diagnosis or treatment. It is very important that you consult your doctor about your specific condition, contraindications, and possible complications. This treatment is contraindicated in patients with cardiac diseases. Claims about EndoStim therapy may not apply to all patients.

Not for distribution in the United States

References:
**What is EndoStim Therapy?**

EndoStim therapy is a treatment for chronic gastro-oesophageal reflux disease (GORD) through low energy electrical stimulation of the lower oesophageal sphincter (LOS).

**What Causes GORD?**

GORD is a condition caused by too much stomach acid and bile coming into your oesophagus often due to an insufficiently functioning valve between your oesophagus and your stomach. Normally, when liquid and food pass through the oesophagus, it opens to allow for food and liquid to enter the stomach. After passing, the valve closes. When the sphincter does not function properly, it can lead to stomach contents and acid flowing back into the oesophagus, causing symptoms such as heartburn and regurgitation. A Laparoscopic Sleeve Gastrectomy (LSG) can be the source of new GORD symptoms or worsen preexisting symptoms.

**Effect of Electrical Stimulation**

Clinical trials have shown that electrical stimulation of the lower oesophageal sphincter can restore the function of the LOS, resulting in reduction of acid in the oesophagus and a decrease in GORD symptoms. A similar result is seen in GORD patients who have received EndoStim after LSG.

**Is EndoStim Right for you?**

If you are still bothered by reflux symptoms despite taking medication, such as heartburn, regurgitation, difficulty sleeping or chronic cough, you may benefit from a surgical anti reflux procedure.

If you suffer from severe reflux after LSG, you may choose to undergo a more invasive weight loss surgery, called laparoscopic Roux-en-Y gastric bypass (LRYGB). In LRYGB the oesophagus is disconnected from the lower part of the stomach where the acid is produced. LRYGB is effective, but is an invasive anatomy-altering surgery which can cause severe long-term side effects. For example, LRYGB offers a great risk of dumping syndrome and requires a lifelong intake of vitamins and surveillance for micro- and macronutrient deficiency.

If you wish to treat GORD symptoms while keeping your LSG, your doctor may recommend EndoStim. EndoStim is a minimally invasive treatment with few side effects. Furthermore, the EndoStim procedure is reversible, leaving the option of gastric bypass open. For a full description please consult your doctor.

**The EndoStim Procedure**

The EndoStim System consists of a small stimulator - similar to a pacemaker - and a lead with two electrodes. In a minimally-invasive laparoscopic “keyhole” procedure, the small electrodes are attached to the LOS. The lead is guided to the stimulator in a small pocket located under the abdominal skin, almost invisible. After the procedure, your physician will wirelessly program and turn on your device. Stimulations will occur periodically throughout the day, although you will not feel them. You may safely undergo MRI scans under specific conditions. For airport screening, a medical ID card is supplied to inform security. No damage should occur.