

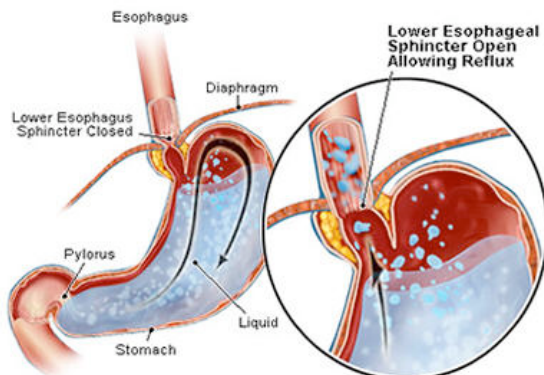
EsophyX Transoral Incisionless Fundoplication

EsophyX Transoral Incisionless Fundoplication (TIS) is a brand new surgical technique developed by EsophyX Inc. to treat those suffering from gastroesophageal reflux disease.

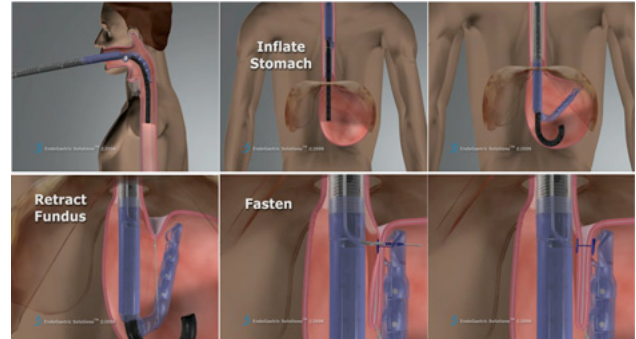
GERD, commonly known as acid reflux disease, occurs when the acid from a person's stomach backs up into the esophagus due to a problem with the lower esophageal sphincter. This often causes injury to the esophagus and can also lead to other problems such as laryngitis, asthma and erosion of dental enamel.

TIS is a breakthrough method of surgery because it requires absolutely no incisions on the body and therefore much less risk of infection and quicker recovery time. This method also allows more people to benefit from surgery and hopefully relieve their chronic symptoms.

A standard endoscope carries the working end of the device into the mouth, down the esophagus and into the stomach. From there, the stomach is inflated and the mold of the device is positioned in the stomach. Next, the mold is turned to face upwards and a



retractor is initiated to pull down a section of the fundus. Once 2-3 inches have been sectioned off, the device fires approximately twelve to seventeen polypropylene fasteners into the top of the fundus to create a new gastroesophageal valve. This new valve will replace the dysfunctional original one that had been causing the disease.



The entire procedure takes about one to two hours in length. A person is typically in the hospital for about twelve to twenty three hours. The cost depends on what insurance a person has. There are a lot of benefits to this procedure. There is a much quicker recovery time because there are no incisions to heal. The risk for infection is also greatly reduced because of this.

Another reason is that pharmacological therapy does not treat the underlying causes of reflux and is therefore not as effective. Ten to twenty percent of patients don't respond to the medication.

The first surgery using this new method was performed this year. It was a huge success. A 65-year-old woman from New Jersey suffering from chronic GERD had the surgery in June. She no longer needs to take any medication and the disease has disappeared.