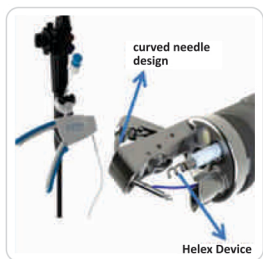




Obesity Increases The Risk Of Disease

- TYPE 2 DIABETES
- HEART DISEASE
- SLEEP APNEA
- OSTEOARTHRITIS
- INFERTILITY
- HEARTBURN
- JOINT PAIN
- FATTY LIVER
- DEPRESSION



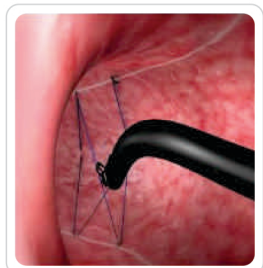
ESG

Endoscopic Sleeve Gastroplasty (ESG) Procedure

Endoscopic sleeve gastroplasty is a weight loss procedure that uses an endoscopic suturing device to reduce the size of your stomach.

The procedure recreates what would occur at a surgical sleeve gastrectomy though without the need for surgery. This procedure is ideal for those with a body mass index of 40 or less and for those where diet and exercise alone have not worked. Because the procedure is minimally invasive, there is a reduced risk of complications. Like other weight loss programs, however, a commitment to a healthier lifestyle will help to ensure long-term success and permanent weight loss with ESG.

In addition to weight loss, endoscopic sleeve gastroplasty can also lower your blood sugar and potentially address other serious weight-related problems.

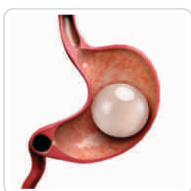


ESG

**DON'T WAIT
TO REDUCE WEIGHT**

Frequently asked Questions

- What is ESG?**
It is non surgical procedure done by endoscopy to reduce weight. There is no incision & by suturing device stomach size is reduce to 1/4th size, this limits the amount of food intake before feeling full.
- Who is ideal candidate to have ESG procedure?**
An overweight person who's BMI 30% to 40% can not control weight by diet & exercise. A person who does not wish to go for surgery for obesity can lose 20% or 30% of total body weight by ESG.
- Does ESG helps to reduce disease related to obesity?**
Definitely many patient suffering from HTN, sleep apnea, DM reduce disease burden for life after achieving desired BMI. Achieving desired weight also prevents future development of DM/HTN/ Sleep apnea/ osteoarthritis.
- How ESG different for surgery for weight loss?**
ESG is not surgery. It has no incision no scar. It has faster & healthy recovery no admission is required.
- How much time does ESG take?**
Procedure is completed within an hour. No requirement of overnight stay no bed rest is required after discharge. Patient can return to daily activity work after discharge.
- What is expected weight loss for ESG?**
Current studies suggest ESG leads to weight loss up to 30% over a period to 6 months post surgery.
- Does a person regain weight post ESG?**
After losing weight diet complaine will help to maintain weight loss & desired BMI.
- Result of ESG?**
Two studies evaluating the ESG procedure on 20 and 10 obese patients respectively reported a percentage weight loss between 30 to 40% at 6 months.
Lopez-Nava G, Galvao MP, da Bautista-C Endoscopy, Epub 2014.
NovSharaiba RZ et al, Initial experience with endos sleeve gastroplasty, Endoscopy 2015.



BALLOON PLACEMENT

Who can under go Balloon Placement?

- Non morbid obesity with BMI < 40kg/m2.
- Lower BMI with significant comorbidities.
- Before surgery for superobase.

How much Weight loss can happen after Balloon Pacement?

- Median excess weight loss around 30% .
- Median BMI loss 5kg /m2.

Which Balloon to be Placed?

- Orbera apollo Endosurgery / Spatz Balloon.
- Elastic spherical balloon made from Silicone and filled with about 500-700 ml of saline.
- It is inserted and retrived endoscopically.

How does Balloon helps to reduce weight?

- Physiologically, their restrictive effect increases the feeling of fullness, early satiety and slowgastric emptying.

Which side effects can Occur?

- Nausea & vomiting can persist. for week in 2/3rd .
- Gastric erosion and of Patients Ulceration.

When Balloon should not be Placed?

- Hiatal hernia of 5cm or greater & Gastric ulcer.
- Coagulation disorders.
- Potentially bleeding lesion of the upper gastrointestinal tract.
- Pregnancy, breastfeeding, severe liver disease.

For More Information Meet Our Doctor Personally

Dr. Yogesh P. Harwani | Dr. Hardik K. Parmar