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INTRODUCTION

- The obesity pandemic has continuously increased yearly, and more patients are seeking both medical and surgical treatments.
- Sleeve gastrectomy accounts for 60% of bariatric surgeries in the US. Stricture formation occurs in approximately 0.5% of cases and usually occurs at the incisura.
- Unfortunately, given the current insurance coverage in the US, some patients opt to travel overseas to obtain cheaper bariatric surgeries with limited quality assurance, no follow-ups and possible higher rates of complication.
- The use of Lumen Apposing Metal Stents (LAMS) for benign strictures are expanding and has been used in post Roux-en-Y gastric bypass (RYGB) strictures.

CASE DESCRIPTION

- We present a 29-year-old female who underwent a laparoscopic sleeve gastrectomy for Class 3 obesity. The surgery was performed overseas due to insurance coverage issues in the US.
- She was seen for intractable nausea and vomiting.
- She had an EGD performed which identified a tight 10-12mm long angulated stricture at 42cm from the incisors requiring balloon dilatations to 20mm on two occasions with no resolution of symptoms.
- After a multidisciplinary discussion with Bariatric Surgery, a plan was made to place a stent at the angulated stricture area as a bridge therapy while awaiting insurance approval for a definitive surgical intervention.

Lumen Apposing Metal Stent For Sleeve **Gastrectomy Surgical Site Stricture**



Figure 1: A 20 mm wide X 10 mm long LAMS at the narrow-angulated area in the proximal mid body stomach with patent lumen.

Figure 2: Gastric LAMS at the junction of proximal and mid body with 3 anchoring clips proximal to stent.

- covered
- liquids.
- successfully

DISCUSSION

- procedures.
- RYGB may be required.
- 20mm
- short gastric sleeve surgery.





• In view of the short length of the angulated stricture, a 20mm wide X 10mm long fully LAMS (Figure was successfully deployed.

• A subsequent CT scan of the abdomen with oral contrast (Figure 2) showed that the stent in the appropriate position with no evidence of obstruction. The oral contrast passed through the stent beyond the angulated stricture.

The patient however, had no improvement of symptoms and only tolerated some clear

Given persistence of symptoms, the LAMS was removed intact for an emergent laparoscopic RYGB reconstruction.

Treatment of post- sleeve gastrectomy stricture is primarily endoscopic balloon dilation, but this unfortunately requires repeat endoscopic

• If the endoscopic therapy fails, conversion to

• Our case provides the first reported use of a LAMS wide bridge as а therapy for managing short surgical site stricture after a sleeve gastrectomy.

More studies are needed to evaluate the effectiveness of LAMS in the management of strictures related to