

Introduction

Laparoscopic Roux-en-Y gastric bypass (LRYGBP) for the treatment of GERD after laparoscopic sleeve gastrectomy (LSG) in French Polynesia

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French Polynesia population: 279000

- 55 % of population has BMI>30
- 15% BMI>40
- Life expectancy 10 years lower than homeland France
- 2933 LSG performed performed from Jan 2011 to Dec 2023

Reflux and LSG

- 30% preoperative reflux
- 60% postoperative reflux
- Esophagitis
- Anemia
- Intestinal metaplasia
- Quality of life



Aim and Methods

Is LRYGBP safe and efficient for GERD resistant to medical treatment after LSG?

Retrospective study on 78 patients operated from Jan 2019 to Dec 2023

- Symptoms (resistant to medical treatment)
- Endoscopic findings
 - 10 mid-gastric twists
 - 6 intestinal metaplasia
 - 21 esophagitis
 - 35 gastritis
 - 21 normal endoscopies
- Ph monitoring and manometry unavailable
- No patients lost at follow up



Conversion from LSG to LRYGBP

- Totally hand sewn gastro jejunal anastomosis
- 150 cm alimentary limb
- 50 cm biliopancreatic limb
- Closure of mesenteric defect
- Cure of concurrent hiatal hernia

Results

Medium-Long term

- 98% symptom relief
- 66% reduced medical treatment after 1 year
- 39% stopped medical treatment in long term
- Endoscopic findings were improved or stabilized
- 13% weight loss

Adverse events

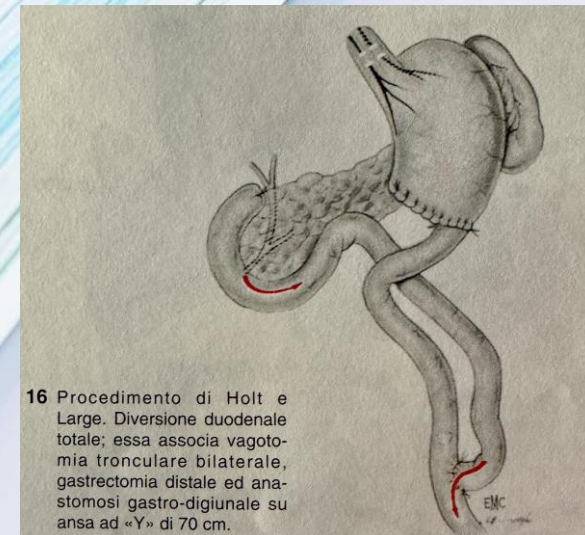
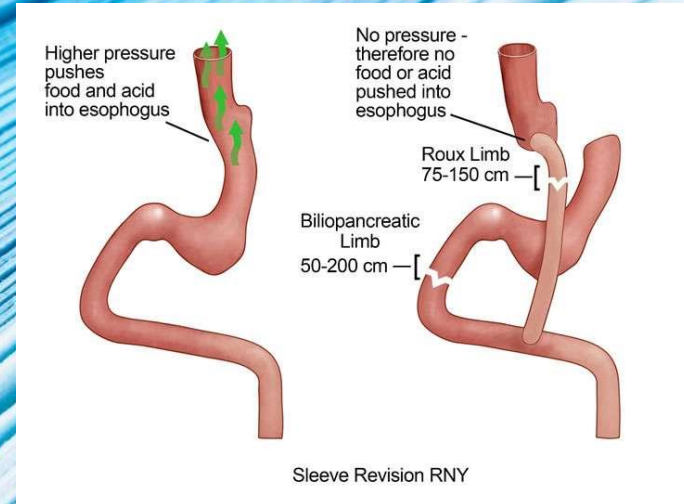
- 0 anastomotic leaks
- 0 mortality
- 2 early re-interventions for bleeding
- 0 internal hernia
- 4 anastomotic ulcers
 - 3 medical treatment
 - 1 gastro jejunal redo



Discussion

LRYGBP treats GERD resistant to medical treatment after LSG by

- Lowering pressure in the gastric pouch
- Bypass natural stenosis : pylorus
- Small gastric pouch
- Diverting gastric and biliopancreatic secretions reduces acid reflux and avoids alkaline reflux



Conclusions

- 👉 LRYGBP is a safe and effective procedure to treat GERD resistant to medical treatment and related complications
- 👉 Small pouch, alimentary limb >80 cm
- 👉 Weight loss less than in a primary procedure
- 👉 Follow up is critical in a remote island setting

