

# **Laparoscopic Hand-Sewn Revisional Gastrojejunal Plication for Weight Loss Failure After Roux-en-Y Gastric Bypass**

León, F., Maiz, C., Daroch, D., Quezada, N., Gabrielli, M., Muñoz, C., & Boza, C. (2015). Laparoscopic hand-sewn revisional gastrojejunal plication for weight loss failure after Roux-en-Y gastric bypass. *Obesity surgery*, 25(4), 744-749. <10.1007/s11695-014-1463-z> Accessed 28 Mar 2021.

## **Abstract**

**Background:** Revisional surgery has become a widely accepted alternative for weight loss failure/regain after bariatric surgery. However, it is associated to higher morbi-mortality and lesser weight loss than primary bariatric procedure. Our aims are to present a novel technique for weight loss treatment after failed laparoscopic Roux-en-Y gastric bypass (LRYGB) and to report its short-term results. **Methods:** This is a retrospective analysis of patients submitted to a revisional hand-sewn double-layer gastrojejunal plication (GJP) for treatment of weight loss failure/regain after LRYGB. Analysis of demographics, body mass index (BMI), and percentage of excess weight loss (%EWL) at the 6th month complications, and financial costs involved was included. **Results:** Four patients were submitted to revisional GJP. Three patients were female and the mean age at revision was  $30 \pm 9$  years (21–44). The median time interval between LRYGB and GJP was 51 months (24–120). The median BMI at the moment of GJP and the 3rd and 6th month was 35.6 kg/m<sup>2</sup> (32.0–37.8), 32.2 kg/m<sup>2</sup> (29.7–34.1), and 30.7 kg/m<sup>2</sup> (28.1–32.1), respectively. The median %EWL at the 3rd and 6th month was 35.4 % (13.6–38.9) and 46.2 % (45.1–55.5), respectively, reaching a cumulative (combined surgeries) %EWL of 62.9 % (16.5–67.9) and 71.7 % (65.1–77.6), respectively. There were no complications or mortality. Financial costs were significantly lower compared to revisional gastrojejunal stapled reduction (US\$1400 cheaper). **Conclusion:** Revisional GJP is a feasible, safe, and cost-effective novel procedure for treatment of weight loss failure/regain after LRYGB. Mid- and long-term results are necessary in order to establish its real effectiveness..

## **Keywords**

Revisional surgery, Bariatric surgery, Gastrojejunal plication, Weight loss failure.