

The effect of laparoscopic greater curvature plication on weight loss and type 2 diabetes عنوان البحث باللغة الانجليزية:

مكان و تاريخ النشر:

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الملخص باللغة الانجليزية:

Background: The field of bariatric surgery is continually evolving. Laparoscopic greater curvature plication (LGCP) is a new surgical technique that falls into the restrictive procedure category & has quickly gained interest in the bariatric community. **Objectives:** In the present study, we aimed to demonstrate the feasibility, safety, and efficacy of laparoscopic gastric plication as restrictive procedure on weight loss and type2 diabetes. **Patients and Methods:** This is a prospective study included Fourty obese patients (22 females and 18 males aged 29-50) were enrolled in this study and they were subjected to LGCP. The study was carried out in the surgical department of El Fayoum University Hospital from September 2013 to July2016 The study comprises 40 morbidly obese patients (BMI42-57). LGCP offers rapid weight loss without gastric resection or an implanted device, and this is likely to appeal to many patients. **Results:** The patients mean preoperative BMI was 44.3 ± 5.5 kg/m² , the mean oprative duration was 66 ± 15.2 min, the mean length of hospital stay was 48.2 ± 2.5 h, and the average BMI at 6 months was 22.3 ± 2.5 kg/m². Of 22 type II diabetes mellitus patients, 18 (81.8%) became normoglycemic. **Conclusion:** LGCP is feasible, safe, and effective in the short term as a promising bariatric procedure, with high rate of success & improvement of co-morbidities like type 2diabetes & low rate of complications.