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### **Single Anastomosis Bypass: Early results from 100 consecutive patients**

Category: Outcomes from Bariatric Surgery

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**Purpose:** Laparoscopic single anastomosis is an alternative to the laparoscopic Roux-en-Y bypass, which is considered the gold standard in the treatment of morbid obesity. We look at the outcomes of our first 100 patients from 2014-2016.

**Method:** A retrospective review of a prospectively collected database of 100 patients undergoing laparoscopic single loop anastomosis performed by two surgeons. Morbidity, weight loss and comorbidities were assessed. Weight loss was assessed as a percentage of excess weight loss. Follow up was assessed up to 18 months post-operatively.

**Results:** There were 71 females and 29 males. The average pre-operative BMI was 47.1. Co-morbidities included diabetes mellitus (65%), hypertension (43%), Sleep apnoea (27%) and dyslipidaemia (30%). 21% of patients had a prior history of either gastric banding or sleeve gastrectomy. There were no deaths. Morbidity was 8% with 1 anastomotic leak, 1 internal hernia, 2 marginal ulcers and 4 anastomotic strictures. Mean excess weight loss percentage was 45.6%, 63.8% and 80.5% at 3, 6 and 12 months respectively. 90% of patients with diabetes were off treatment at 12 months and 100% had improved diabetes control.

**Conclusions:** Single loop anastomosis bypass is a safe and effective procedure with excellent weight loss and co-morbidity resolution, particularly diabetes. Longer term follow up of our patient group is required.