

Laparoscopic sleeve gastrectomy: Surgical technique, indications and clinical results

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Background: Laparoscopic sleeve gastrectomy (LSG) has been introduced as a multipurpose restrictive procedure for obese patients. Variations of the surgical technique would be important for the late results. **Methods:** 50 patients submitted to LSG from January 2005 to December 2006 were studied. Mean age was 38.2 years, preoperative weight was 103.4 ± 14.1 kg (78 to 146 kg), and preoperative BMI was 37.9 ± 3.4 (32.9 to 46.8). Co-morbidities were present in 29 patients (58%). **Results:** Operative time was 110 ± 15 min. Intraoperative difficulties were observed in 7 patients. Volume of the resected specimen was 760 ± 55 ml and capacity of the gastric remnant was 108.5 ± 25 ml. There was no conversion to open surgery. Histology of the resected stomach was normal in 8 patients, while chronic gastritis was found in 42 patients. At 6 and 12 postoperative months, body weight was 28 ± 6.4 kg and 32.6 ± 6.8 kg respectively. In the 18 patients who have reached 1 year follow-up, %excess BMI loss reached $85 \pm 0.7\%$. Mo