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Laparoscopic sleeve gastrectomy following removal of intragastric balloon on the same time, is it feasible?

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Introduction: Laparoscopic Sleeve gastrectomy (LSG) is a new restrictive bariatric surgery with increased indication in treatment of obese patients. No reported data in the English literatures about the feasibility, safety, nor outcome of performing LSG immediately following removal of intragastric balloon (BIB).

Aim: We are reporting the feasibility, safety, and early outcome of laparoscopic sleeve gastrectomy that performed immediate upon removal of intragastric balloon.

Method: We prospectively review charts of all patients whom underwent LSG and had BIB insertion from 2005-2010 in our university hospital. The data is including age, sex, BMI (preoperatively), OR time, preoperative weight, blood transfusion, intraop.complications, perioperative complication and follow up post operatively.

Result: Total 120 patients underwent LSG, of 9 patients who had balloon before sleeve, 6 patients underwent removal of balloon with same set sleeve gastrectomy and 3 patients had SG as late procedure. of the 6 patients, the mean BMI was 65 ± 5 kg/m². All 6 patients underwent LSG following removal BIB in the operating room. No conversion to open, nor mortality. The mean OR time was 98 ± 17 minutes. No major (bleeding, leakage, PE) perioperative complication was documented. The mean hospital stay was 2 ± 1 days. The mean excess weight loss was 41% in 6 month follow-up. In conclusion: Laparoscopic sleeve gastrectomy immediately following removal of intragastric balloon on the same time is proven to be feasible and safe. The early outcome is comparable to other study regarding the weight loss parameters.

Biography

Naif Al Enazi, completed his medical degree at King Saud University, Riyadh, Saudi Arabia. He did his residency training program in general surgery at king Khalid university Hospital, Saudi Arabia. He did a fellowship in Metabolic and Bariatric Surgery and Minimal Invasive Surgery at the Sacre-Coeur Hospital in Montreal, Canada. He has performed many laparoscopic procedures, including Roux en Y gastric bypass, sleeve gastrectomy, gastric banding, duodenal switch and many other abdominal surgical procedures. He has a particular interest in laparoscopic revisional surgery including banding, bypass and sleeve gastrectomy.

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