

Gastric bypass stent treatment for postoperative obesity after laparoscopic sleeve gastrectomy: an open-label, pilot study

Zhengqi Li, China-Japan Friendship Hospital;

Hua Meng, China-Japan Friendship Hospital;

Biao Zhou, China-Japan Friendship Hospital;

Bojun Zhou, Beijing Sport University;

Shaohan Zhang, The Third Clinical School of Medicine, Capital Medical University



In accordance with «EACCME criteria for the Accreditation of Live Educational Events», please disclose whether you have or not any conflict of interest with the companies:

If you don't have any conflict, please delete the conflict of interest report points:

[✓] I have no potential conflict of interest to report

Case Reports 3.5 > Asian J Surg. 2024 Jun;47(6):2822-2823. doi: 10.1016/j.asjsur.2024.02.082.
Epub 2024 Feb 22.

Gastric bypass–stent treatment for the suboptimal weight reduction after laparoscopic sleeve gastrectomy

Lei Zhang ¹, Biao Zhou ², Zhengqi Li ³, Hua Meng ⁴

Affiliations + expand

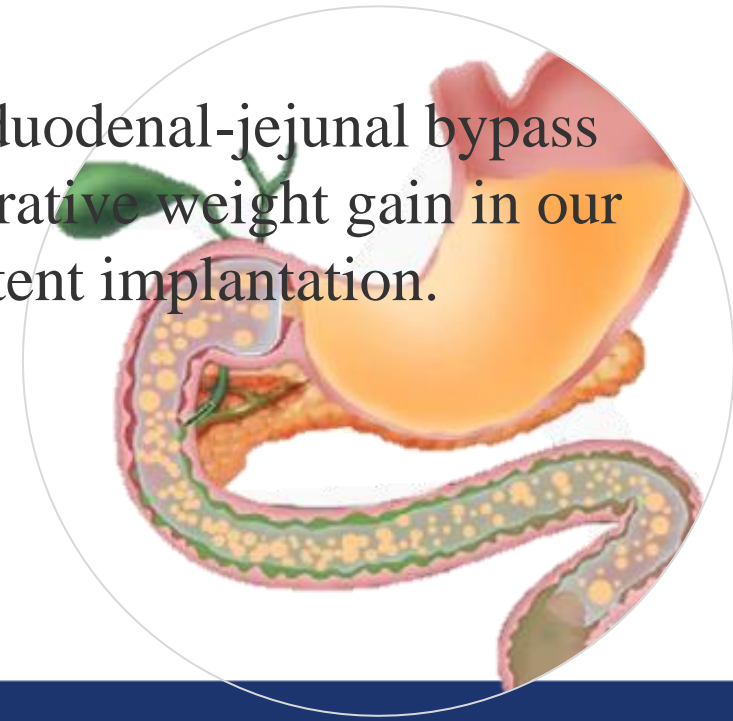
PMID: 38388274 DOI: 10.1016/j.asjsur.2024.02.082

Free article

Background: The treatment of **weight regain** after laparoscopic sleeve gastrectomy (LSG) is currently a research hotspot. Secondary surgical treatment can cause significant trauma to patients, and drug therapy can sometimes be difficult to achieve satisfactory results. Endoscopic gastric bypass stent implantation has great application prospects in this field.

Objective: Exploring the effect of gastric bypass stent in the treatment of postoperative weight gain in patients undergoing LSG.

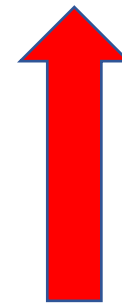
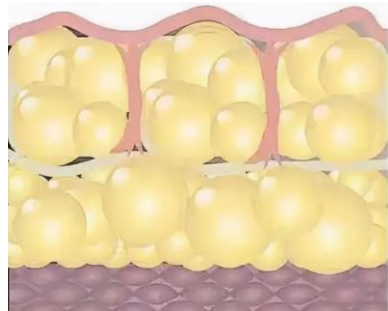
Method: Prospective analysis of patients who underwent endoscopic duodenal-jejunal bypass stent (DJBS)(Tangji Medical, Hangzhou, China) treatment for postoperative weight gain in our center over the past year. The follow-up time point is **4 months** after stent implantation.

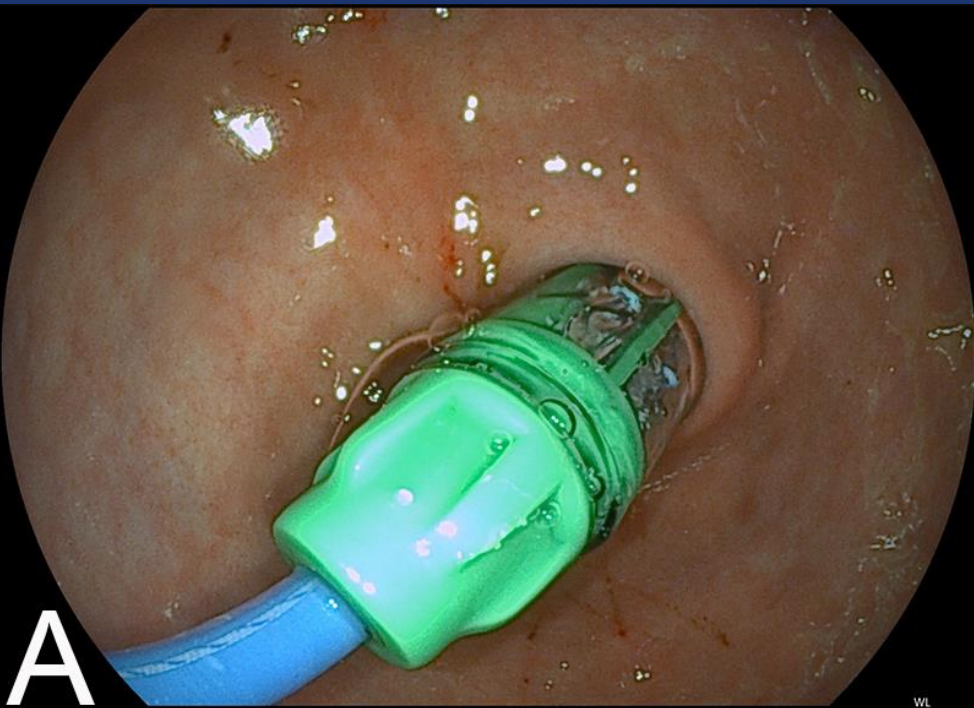


Results: A total of 5 patients participated in this study. **The average time for stent implantation surgery is 63 minutes.** After 4 months of follow-up, the average weight loss of the patient was **4.61kg**, the average total weight loss was **5.73%**, the average body fat rate decreased by **2.88%**, and the average muscle rate increased by **1.73%**. Three cases experienced postoperative abdominal pain symptoms, which could be relieved within two weeks. No postoperative complications such as bleeding or perforation occurred in one case.

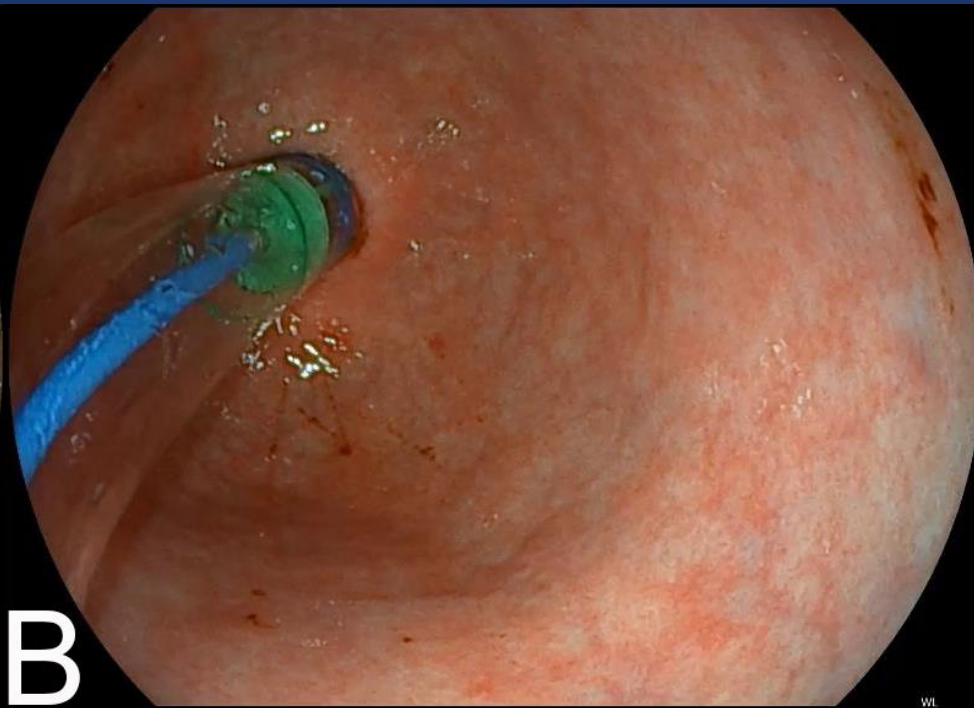
Conclusion: DJBS has shown good therapeutic effects in the treatment of postoperative weight gain after LSG surgery, with no serious complications occurring.

Weight loss is mainly due to fat, with little muscle loss.

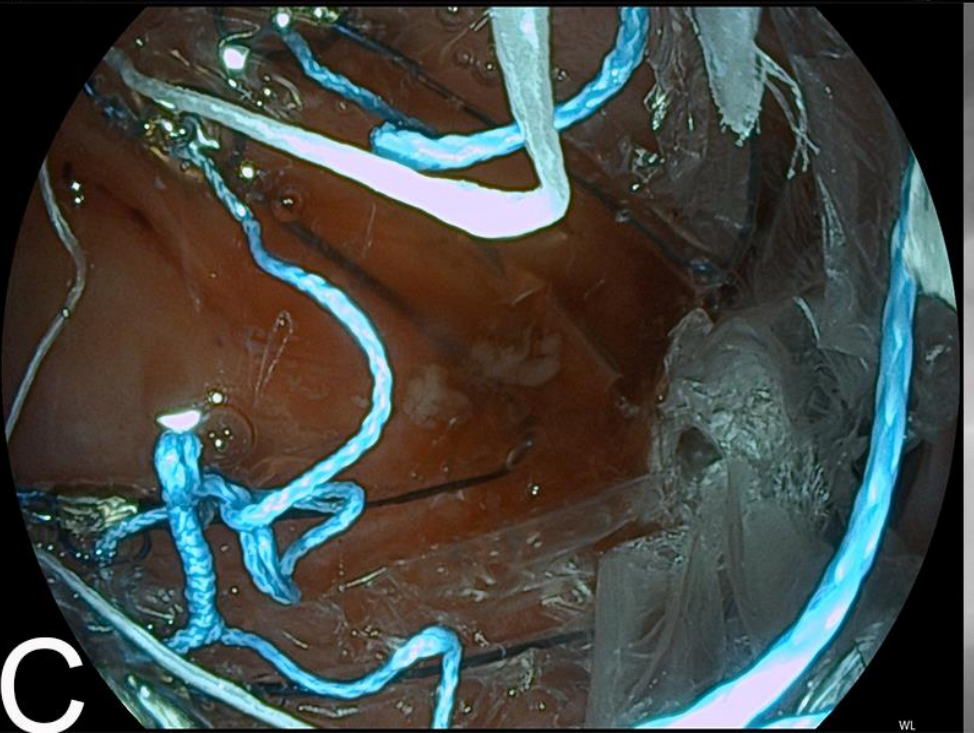




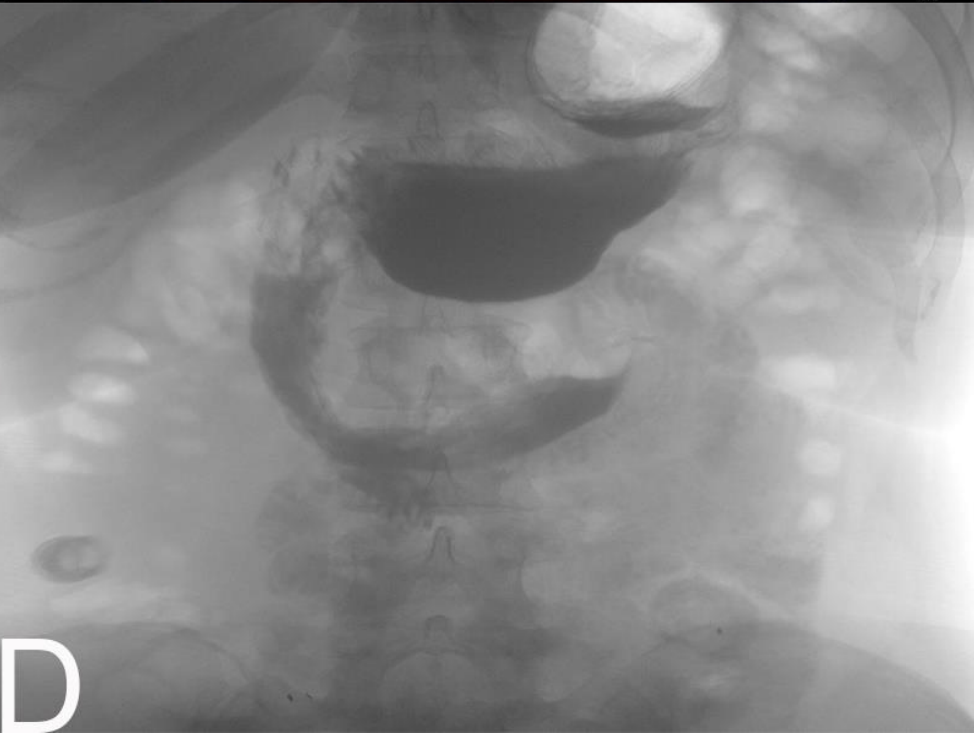
A



B



C



D