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Summary

ROBOTIC ENDOSCOPIC SLEEVE GASTROPLASTY FOR THE TREATMENT OF OBESITY: AN INTERIM ANALYSIS OF A MULTICENTER PILOT STUDY

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A multicenter prospective study of 45 patients evaluating a novel automated endoscopic sleeve gastroplasty system (EndoZip) for obesity treatment reported mean total body weight loss of 13.5% at 12 months with two serious adverse events.

KEY POINTS

- The EndoZip system is an automated endoluminal-sutured gastroplasty device that completes suturing actions in approximately 2 minutes by activating a motor system that stitches, tightens, clips, and cuts suture wire.
- Forty-five patients with BMI 30 to 40 kg/m^2 underwent the procedure across three centers in Spain, Italy, and Israel, with an average procedure time of 30 minutes using an average of 3.9 sutures.
- At 12 months, mean total body weight loss was 13.5% (SD ±10.4%), with 79.4% of patients achieving at least 5% total body weight loss.
- Two serious adverse events occurred: one bleeding event managed with endoscopic clipping and one gastric perforation requiring surgical closure, with no mortality reported.
- All participating endoscopists found the device easy to use in this single-arm study.

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