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Summary

USE OF LUMEN-APPOSING METAL STENTS IN SURGICALLY ALTERED ANATOMY

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Hepatobiliary

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A single-center study of 73 lumen-apposing metal stent procedures in patients with surgically altered anatomy demonstrated high technical and clinical success rates for accessing excluded gastrointestinal segments and reversing gastric bypass.

KEY POINTS

- Between October 2019 and February 2024, 73 LAMS procedures were performed at University Hospital of Ghent: 70 EUS-guided gastro-gastrostomy in RYGB patients and 3 EUS-guided gastro-enterostomy in hepaticojejunostomy patients.
- Indications included 55 cases (75.3 percent) for EDGE, 13 cases (17.8 percent) for EDGI, and 5 cases (6.8 percent) for RYGB reversal due to metastatic cholangiocarcinoma, hyperinsulinemic hypoglycemia, or therapy-resistant SIBO.
- Technical success was achieved in 97.3 percent of cases and clinical success in 95.9 percent, with median LAMS dwell time of 38 days and removal in 72.6 percent of cases.
- Adverse events occurred in 15.1 percent of cases, including 9.6 percent minor and 5.5 percent major events, all successfully managed with no procedure-related deaths.
- A dual-step approach was used in 69.9 percent of cases to allow fistula maturation and reduce perforation risk, and loss of LAMS patency occurred in only 1.4 percent of cases.

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