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Summary

SAFETY PROFILE OF THE MOTORIZED SPIRAL ENTEROSCOPE: DATA FROM 250 PROCEDURES FROM A SINGLE CENTER

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A single-center retrospective study of 250 motorized spiral enteroscopy procedures in 240 patients reports a serious adverse event rate of 1.2% and concludes the procedure is safe, with prior abdominal surgery not increasing complication risk.

KEY POINTS

- Between March 2020 and March 2023, 250 MSE procedures were performed in 240 patients (median age 66 years), with 20% having previous abdominal operations or surgically-altered anatomy.
- Total adverse events occurred in 44 procedures (17.6%), with 40 (16%) minor events and 3 (1.2%) serious adverse events; the three SAEs included one perforation requiring laparoscopic suturing and two aspiration cases treated with antibiotics.
- Previous abdominal operations or altered GI anatomy did not increase the risk of complications, though enteroscope progress may be slower in postoperative situations.
- Procedures included antegrade only (80), retrograde only (20), or bidirectional in one session (150), achieving total pan-enteroscopy in 70% of intended procedures; therapeutic interventions included hemostasis (36%), stricture dilation (5%), EMR polypectomies (1.6%), and VCE retrieval (1.2%).
- This material is relevant for gastroenterologists evaluating the safety profile of MSE for deep small bowel examination in patients with and without prior abdominal surgery.

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