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Summary

MAGNETIC BALLOON TECHNOLOGY FOR COMPLETION OF VERY DIFFICULT COLONOSCOPIES: A CASE SERIES

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Colorectal

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A case series of four patients with previously incomplete colonoscopies due to tortuosity, redundancy, or laxity all achieved successful completion using magnetic balloon technology without adverse events.

KEY POINTS

- All four patients (50-74 years, 3 males, BMI 24.6-37.1) who had prior incomplete sedated colonoscopies completed the procedure with magnetic balloon technology and conscious sedation from February to March 2022
- Magnetic balloon technology uses a balloon catheter inserted in the 3.2 mm colonoscope tool channel, filled with ferromagnetic fluid and anchored with an external permanent magnet to facilitate loop solving and colonoscope straightening
- Tortuosity, laxity, and/or redundancy were identified in all cases, and magnetic anchorage was achieved in all patients including one with BMI 37.1
- No adverse events occurred in this series
- The authors conclude that magnetic balloon technology may represent a safe and effective on-demand solution for completing very difficult colonoscopies and preventing rescheduling

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