

A new bowel cleansing system: A multicenter prospective study

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A feasibility study of an intra-procedural bowel cleansing device showed significant improvement in bowel preparation quality for difficult-to-prepare colonoscopy patients, though the device increased procedure complexity.

KEY POINTS

- The study enrolled 44 patients at risk for inadequate bowel preparation and combined limited low-volume bowel preparation with supplemental cleaning using the novel device.
- The proportion of adequately cleansed colons increased from 31.8% before device use to 88.6% after device use, a statistically significant improvement.
- The device consists of an over-sleeve loaded onto the colonoscope and requires starting the procedure over if inadequate preparation is discovered during insertion.
- Limitations included incomplete caecal intubation in 5 patients, primarily due to increased difficulty manoeuvring with the device, and 5.3 minutes of additional cleaning time per procedure.
- The authors suggest future randomised trials should focus on cost-effectiveness and specific patient subgroups such as salvage cleansing cases and emergency colonoscopy to determine the device's added clinical benefit.

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