

SAFETY AND EFFICACY OF NOVEL MOTORIZED SPIRAL ENTEROSCOPY IN THE EVALUATION OF SMALL BOWEL DISEASES: A SYSTEMATIC REVIEW AND META-ANALYSIS

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Poster

Oesophagus

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A systematic review and meta-analysis of 10 studies with 961 patients found motorized spiral enteroscopy achieved 74% diagnostic yield and 95% technical success for small bowel evaluation with a 1.9% major adverse event rate.

KEY POINTS

- Technical success was achieved in 94.9% of 1,068 procedures performed via antegrade (698), retrograde (215), or bidirectional (155) routes.
- The pooled diagnostic yield was 73.7% across all included studies.
- Pan-enteroscopy rates were 21.9% by antegrade route alone, 6.9% by retrograde route alone, and 61.2% when both routes were used.
- Major adverse events occurred in 1.9% of procedures; most technical failures during antegrade approach were due to inability to negotiate the device across the esophagus.
- The authors conclude MSE may be a potential alternative to balloon enteroscopy but note comparative trials are needed.

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