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Summary

COLON CAPSULE ENDOSCOPY: WHAT FACTORS PREDICT AN INCOMPLETE EXAMINATION?

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UEG Week Vienna 2024 | Poster

Colorectal

October 13, 2024

A retrospective single-center study of 197 patients identified constipation and obesity as risk factors for incomplete colon capsule endoscopy following incomplete colonoscopy.

KEY POINTS

- Colon capsule endoscopy was incomplete in 32.5% of 197 patients who had previously undergone incomplete colonoscopy, with inadequate bowel preparation occurring in 30.5% of cases.
- Constipation was associated with increased risk of incomplete colon capsule endoscopy (OR 2.962, p=0.021), as was obesity (OR 4.407, p=0.020).
- The main reasons for prior incomplete colonoscopy were impassable angulation (54.8%) and irreducible loop (40.1%), with no significant difference in subsequent capsule completion rates between these groups.
- Complete examination was defined as visualization of hemorrhoidal plexuses during battery time; clinical indication for the examination did not significantly affect completion rates.
- The authors suggest that intensification or alteration of bowel preparation protocols may be considered in patients with constipation and obesity.

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