

WHICH FACTORS MIGHT HELP TO PREDICT A CAPSULE ENDOSCOPY EXPLORATION WITH ADEQUATE CLEANLINESS?

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Poster

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A prospective study of 117 capsule endoscopies found that Boston Bowel Preparation Scale scores from prior colonoscopy, particularly for the right and transverse colon, predicted capsule cleanliness, while simethicone, low-fiber diet, and iron discontinuation did not significantly contribute to adequate preparation.

KEY POINTS

- Of 117 capsule endoscopies analysed, 67.5% had adequate preparation and 32.5% had inadequate preparation according to the Brotz scale.
- In the final regression model, Boston score for the right colon ($p=0.032$, $OR=2.639$) and transverse colon ($p=0.002$, $OR=0.191$) were significant predictors of adequate capsule preparation.
- Simethicone use (96.6% of patients), low-fiber diet (84.6% of patients), and iron therapy discontinuation did not show statistically significant associations with adequate capsule preparation in univariate analysis.
- The authors conclude that Boston scores for right and transverse colon segments from pre-capsule colonoscopy can help predict capsule cleanliness, and further studies are needed to identify predictive variables for adequate capsule endoscopy preparation.
- This study is relevant for gastroenterologists seeking evidence-based approaches to capsule endoscopy preparation protocols and predictors of adequate bowel visualization.

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