

DIAGNOSTIC ACCURACY OF LONDON PROTOCOL RECORDING PERIOD CHANGES APPLIED TO HIGH-DEFINITION ANORECTAL MANOMETRY IN CHRONIC CONSTIPATION

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Poster

Colorectal

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A modified High Definition anorectal manometry protocol using a 2-minute stabilization period, 30-second baseline rest, and 10-second push analysis maintains very good diagnostic accuracy while reducing study duration by 105 seconds compared to the London protocol in chronic constipation patients.

KEY POINTS

- The study analyzed 69 chronic constipation patients and compared the standard London protocol with proposed modifications for High Definition anorectal manometry focusing on resting pressure and push assessment
- A 2-minute stabilization period and 30-second baseline rest period maintained strong agreement with the standard protocol (Cohen's Kappa = 0.823) for resting pressure assessment
- Push analysis at 10 seconds showed perfect correlation with the standard 15-second assessment (Cohen's Kappa = 1.000) with identical diagnostic distributions across all categories of defecation disorders
- The modified protocol reduces total study duration by 105 seconds while maintaining very good diagnostic accuracy, providing the first evidence-based modification of the HD-ARM protocol which currently relies only on expert consensus rather than clinical evidence

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