

DOUBLE BALLOON ENTEROSCOPY VS SINGLE BALLOON ENTEROSCOPY: A COMPARISON OF EFFICACY AND SAFETY IN A SINGLE TERTIARY CENTRE

Ravishankar Asokkumar

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Poster

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A retrospective comparison of 82 double balloon and 45 single balloon enteroscopy cases from 2014 to 2022 at Singapore General Hospital found no significant differences in technical success, diagnostic yield, therapeutic success, or complication rates between the two techniques.

KEY POINTS

- Technical success rates were similar between double balloon enteroscopy (95.1%) and single balloon enteroscopy (97.8%), with no statistically significant difference ($p=0.46$).
- Diagnostic success was achieved in 65.9% of double balloon cases and 77.8% of single balloon cases ($p=0.36$), and therapeutic success in 61.1% versus 51.4% respectively ($p=0.09$), both showing no significant difference.
- The main indications were suspected gastrointestinal bleeding (41.5% DBE, 48.9% SBE), iron deficiency anemia, and small bowel lesions identified on capsule endoscopy or radiological imaging, with most procedures performed via antegrade approach.
- Complications were minimal, with one mucosal tear occurring in each group.
- This is reported as the first Southeast Asian study comparing these modalities and included both diagnostic and therapeutic procedures in standard and post-surgical altered anatomy patients to reflect real world practice.

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