Balloon Assisted Enteroscopy for Conditions of the Small Bowel: Clinical Effectiveness
Research Questions

1. What is the clinical effectiveness of balloon assisted enteroscopy for conditions of the small bowel?
2. What is the cost-effectiveness of balloon assisted enteroscopy for conditions of the small bowel?
3. What are the evidence-based guidelines for use of balloon assisted enteroscopy for conditions of the small bowel?

Key Findings

Two systematic reviews with meta-analyses, one randomized controlled trial, and six non-randomized studies were identified regarding the clinical effectiveness and benefit of small-bowel balloon enteroscopy in adults.

Methods

A limited literature search was conducted on key resources including PubMed, The Cochrane Library, University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. Methodological filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, economic studies, and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2012 and April 27, 2017. Internet links were provided, where available.

Selection Criteria

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

Table 1: Selection Criteria

<table>
<thead>
<tr>
<th>Population</th>
<th>Adult patients requiring enteroscopy procedures</th>
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<tbody>
<tr>
<td>Intervention</td>
<td>Small-bowel balloon enteroscopy (double- or single-balloon assisted)</td>
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<tr>
<td>Comparator</td>
<td>Q1-2: Intraoperative enteroscopy; Double-balloon enteroscopy; Single-balloon enteroscopy; Q3: No comparator</td>
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<tr>
<td>Outcomes</td>
<td>Q1: Clinical effectiveness, clinical benefit or harm, safety; Q2: Cost-effectiveness; Q3: Guidelines</td>
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<tr>
<td>Study Designs</td>
<td>Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, economic evaluations, evidence-based guidelines</td>
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</table>
Results

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by randomized controlled trials, non-randomized studies, economic evaluations, and evidence-based guidelines.

Two systematic reviews with meta-analyses, one randomized controlled trial, and six non-randomized studies were identified regarding the clinical effectiveness and benefit of small-bowel balloon enteroscopy in adults. No relevant health technology assessments, economic evaluations, or evidence based guidelines were identified.

Additional references of potential interest are provided in the appendix.

Health Technology Assessments

No literature identified.

Systematic Reviews and Meta-Analyses


Randomized Controlled Trials


Non-Randomized Studies


Economic Evaluations

No literature identified.

Guidelines and Recommendations

No literature identified.
Appendix — Further Information

Systematic Reviews and Meta-Analyses

No/Alternate Comparator


Randomized Controlled Trials

Alternate Comparator


Non-Randomized Studies

No/Alternate Comparator


PubMed: PM28210706

PubMed: PM26843856

PubMed: PM26770263

PUBMed: PM25869553

PUBMed: PM26049708

PUBMed: PM24633527

PubMed: PM26420979

PubMed: PM26109818

PUBMed: PM24732015


Pediatric/Mixed Population


No Comparator


Clinical Practice Guidelines - Uncertain Methodology


Additional Information


