Title: Electromagnetic Navigation Systems for Bronchoscopy: Clinical and Cost Effectiveness and Guidelines for Use

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Research questions:

1. What is the clinical effectiveness and safety of electromagnetic navigation systems for bronchoscopy?
2. What is the ease of use of electromagnetic navigation systems for bronchoscopy?
3. What is the cost effectiveness of electromagnetic navigation systems for bronchoscopy?
4. What are the guidelines for use of electromagnetic navigation systems for bronchoscopy?

Methods:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 2, 2008), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI, EuroScan, international HTA agencies, and a focused Internet search. Results include articles published between 2003 and July 2008 and are limited to English language publications only. There were no filters applied to limit the retrieval by study type. Internet links are provided, where available.

Results:

HTIS 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 economic evaluations, randomized controlled trials, observational studies and evidence-based guidelines.
The literature search identified one randomized controlled trial and 10 observational studies on electromagnetic navigation systems for bronchoscopy. No health technology assessments, systematic reviews, meta-analyses, economic analyses, or evidence-based guidelines were identified. Additional articles of potential interest are included in the appendix.

**Health technology assessments**
No literature identified.

**Systematic reviews and meta-analyses**
No literature identified.

**Economic analyses and cost information**
No literature identified.

**Randomized controlled trials**


**Observational studies**


**Guidelines and recommendations**
No literature identified.

**Prepared by:**
Karen Cimon, Research Assistant  
Charlene Argáez, MLIS, Information Specialist  
*Health Technology Inquiry Service*  
Email: [htis@cadth.ca](mailto:htis@cadth.ca)  
Tel: 1-866-898-8439
Appendix – further information:

Guidelines and recommendations


Review articles


Additional references


