Title: Flexible Bronchoscope versus Video Laryngoscope for Adults with Difficult Intubation: Guidelines, Clinical and Cost-Effectiveness

Date: 20 November 2007

Research question:

1. What is the clinical benefit and harm of using a flexible bronchoscope or a video laryngoscope in adults with identified or unidentified difficult intubation?

2. What is the cost-effectiveness of using a flexible bronchoscope or a video laryngoscope in adults who have identified or unidentified difficult intubation?

3. What are the Canadian guidelines for identified or unidentified difficult intubation in adults?

4. What is the gold standard equipment for identifiable and unidentifiable difficult intubation of adult patients?

Methods:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 4, 2007), 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 2002 and the present, and are limited to English language publications only. Filters were applied to limit the retrieval to health technology assessments, systematic reviews, economic evaluations, guidelines, randomized controlled trials, and observational studies. Internet links and abstracts are provided, where available.
Results:

Health technology assessments
No literature found

Systematic reviews and meta-analyses
No literature found

Economic analyses and cost information
No literature found

Randomized controlled trials

Normal or unknown intubation


Difficult or expected difficult intubation


Observational studies

Normal or unknown intubation


Difficult or expected difficult intubation


**Guidelines and recommendations**

No Canadian guidelines identified

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Appendix – Further information:

Observational studies


Guidelines


Review articles


Additional references
