Title: The CoughAssist® Mechanical Insufflator-Exsufflator Device for Airway Clearance in Children and Adolescents: Clinical and Cost-Effectiveness

Date: 18 April 2008

Research question:

1. What is the clinical effectiveness of the CoughAssist® mechanical insufflator-exsufflator device for airway clearance in children and adolescents with respiratory muscle weakness?

2. What is the cost-effectiveness of the CoughAssist® mechanical insufflator-exsufflator device for airway clearance in children and adolescents with respiratory muscle weakness?

Methods:

A limited literature search was conducted on key health technology assessment resources, including Pubmed, the Cochrane Library (Issue 1, 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 1998 and the April 2008, and are limited to English language publications only. No filters were 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.

Five observational studies and one evidence-based guideline were identified from the literature search results. No relevant health technology assessments, systematic reviews, or randomized controlled trials were identified. Additional articles of interest may be found 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
No literature identified

Observational studies


Guidelines and recommendations
   Summary available:
Appendix – Further information

Randomized controlled trials in an adult population


Observational studies in an unspecified age group or adult population


Coverage recommendations


Review articles


