TITLE: Guidewire Retention Following Chest Tube Insertion: Safety and Guidelines

DATE: 6 May 2010

RESEARCH QUESTIONS:

1. What are the harms associated with guidewire retention following chest tube insertion?
2. What are the guidelines for guidewire removal following chest tube insertion?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 4, 2010), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI (Health Devices Gold), EuroScan, international health technology agencies, and a focused Internet search. The search was limited to English language articles published between January 1, 2005 and May 3, 2010. No filters were applied to limit the retrieval by study type. Internet links were 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 randomized controlled trials, controlled clinical trials, observational studies, and evidence-based guidelines.

No relevant health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, controlled clinical trials, or observational studies were identified regarding guidewire retention following chest tube insertion. No relevant evidence-based guidelines were identified from the literature search results for guidewire removal following chest tube insertion. Additional potentially relevant articles are located in the appendix.
Health technology assessments
No literature identified.

Systematic reviews and meta-analyses
No literature identified.

Randomized controlled trials
No literature identified.

Controlled clinical trials
No literature identified.

Observational studies
No literature identified.

Guidelines and recommendations
No literature identified.

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APPENDIX – FURTHER INFORMATION:

Case reports - incidences of guidewire retention


Additional references