TITLE: Pharmacologic Agents for Motion Sickness: Clinical Effectiveness and Guidelines

DATE: 27 March 2009

RESEARCH QUESTIONS:

1. What is the clinical effectiveness of pharmacologic agents that cause the least drowsiness to prevent motion sickness?

2. What are the guidelines for the pharmacologic agent to use for motion sickness that causes the least drowsiness?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 4, 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 2004 and March 2009 and are limited to English language publications only. Filters were applied to limit the retrieval to health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, controlled clinical trials, and observational studies, and guidelines. 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 randomized controlled trials, controlled clinical trials, observational studies, and evidence-based guidelines.

One systematic review, three randomized controlled trials, and three observational studies were identified regarding the clinical effectiveness of pharmacologic agents that cause the least drowsiness to prevent motion sickness. No relevant health technology assessments, systematic reviews, or meta-analyses were found.
reviews, or controlled clinical trials were identified from the literature search results. No relevant evidence-based guidelines for the pharmacologic agent to use for motion sickness that causes the least drowsiness were identified. Additional articles of interest may be found in the appendix.

**Health technology assessments**
No literature identified

**Systematic reviews and meta-analyses**


**Randomized controlled trials**


**Controlled clinical trials**
No literature identified

**Observational studies**


**Guidelines and recommendations**
No literature identified

**PREPARED BY:**
Michelle Clark, BSc, Research Assistant  
Emmanuel Nkansah, MLS, Information Specialist  
Health Technology Inquiry Service  
Email: htis@cadth.ca  
Tel: 1-866-898-8439
APPENDIX – FURTHER INFORMATION:

Review articles