TITLE: Use of AmniSure to Assess Possible Premature Rupture of Fetal Membranes in a Pregnancy: Diagnostic Accuracy, Cost-Effectiveness, and Guidelines

DATE: 15 March 2010

RESEARCH QUESTIONS:

1. What is the diagnostic accuracy of the AmniSure and other similar tests for determining whether premature rupture of fetal membranes has occurred in a pregnancy?

2. What is the cost-effectiveness of the AmniSure and other similar tests for determining whether premature rupture of fetal membranes has occurred in a pregnancy?

3. What are the evidence-based guidelines for using the AmniSure and other similar tests for determining whether premature rupture of fetal membranes has occurred in a pregnancy?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 3, 2010), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI, EuroScan, international health technology agencies, and a focused Internet search. The search was limited to English language articles published between 2005 and Mar 2010. Filters were applied to limit the retrieval to health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, controlled clinical trials, economic studies, and guidelines. 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, economic evaluations, and evidence-based guidelines.
Six controlled clinical trials and one evidence-based guideline were identified regarding the diagnostic accuracy and use of the AmniSure and other similar tests for determining whether premature rupture of fetal membranes has occurred in a pregnancy. No economic evaluations were identified regarding the cost-effectiveness of the AmniSure and other similar tests. No relevant health technology assessments, systematic reviews, meta-analyses, or randomized controlled trials were identified. Additional articles of potential interest can be found 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**


**Economic evaluations**
No literature identified
Guidelines and recommendations


PREPARED BY:
Health Technology Inquiry Service
Email: htis@cadth.ca
Tel: 1-866-898-8439
APPENDIX – FURTHER INFORMATION:

Observational studies


Clinical practice guidelines


   Note: see Diagnosis