TITLE: Endometrial Ablation for Dysfunctional Uterine Bleeding: Clinical and Cost-Effectiveness

DATE: 27 May 2010

RESEARCH QUESTIONS:

1. What is the clinical effectiveness of first generation, second generation, and third generation endometrial ablation for pre-menopausal women with dysfunctional uterine bleeding?

2. What is the cost-effectiveness of first generation, second generation, and third generation endometrial ablation for pre-menopausal women with dysfunctional uterine bleeding?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 5, 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 25, 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 economic evaluations.

Two health technology assessments, two systematic reviews, four randomized controlled trials, and 21 observational studies were identified regarding the clinical effectiveness of first generation, second generation, and third generation endometrial ablation for pre-menopausal women with dysfunctional uterine bleeding. One economic evaluation was identified. No
relevant controlled clinical trials were identified. Additional articles of potential interest can be found in the appendix.

**Health technology assessments**


**Systematic reviews and meta-analyses**


**Randomized controlled trials**


8. Bongers MY, Bourdrez P, Heintz AP, Brolmann HA, Mol BW. Bipolar radio frequency endometrial ablation compared with balloon endometrial ablation in dysfunctional uterine

**Controlled clinical trials**
No literature identified

**Observational studies**


**Long-Term Follow Up of Randomized Controlled Trials**


29. Cooper KG, Bain C, Lawrie L, Parkin DE. A randomised comparison of microwave endometrial ablation with transcervical resection of the endometrium; follow up at a minimum of five years. *BJOG.* 2005 Apr;112(4):470-5. PubMed: PM15777447
Economic evaluations


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APPENDIX – FURTHER INFORMATION:

Randomized controlled trials


Guidelines and recommendations


Note: see Non-hysterectomy surgery for HMB, pages 13-14

Review articles


