TITLE: Essure and Hysteroscopic Tubal Sterilization: Clinical Effectiveness and Cost-Effectiveness

DATE: 29 September 2010

RESEARCH QUESTIONS:

1. What is the clinical effectiveness of Essure and/or hysteroscopic tubal sterilization in both inpatient and outpatient settings?

2. What is the cost-effectiveness of Essure and/or hysteroscopic tubal sterilization in both inpatient and outpatient settings?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 9, 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 September 24, 2010. Filters were applied to limit the retrieval to health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, 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 (HTAs), systematic reviews, and meta-analyses are presented first. These are followed by randomized controlled trials (RCTs), non-randomized studies, and economic evaluations.

Two systematic reviews, 12 non-randomized studies, and five economic evaluations were identified pertaining to the use of the Essure device and hysteroscopic tubal sterilization procedures. No relevant HTAs or RCTs were identified. HTAs, systematic reviews, meta-analyses, and cost-effectiveness evaluations were considered for inclusion regardless of
inpatient or outpatient setting whereas non-randomized studies and RCTs were considered for inclusion only if the outpatient setting was specified in the abstract. Thus, all of the included non-randomized studies and three of the included economic evaluations are relevant to the outpatient setting. Additional information that may be of interest is included in the appendix.

Health technology assessments
No literature identified.

Systematic reviews and meta-analyses


Randomized controlled trials - outpatient setting
No literature identified.

Non-randomized studies - outpatient setting


Economic evaluations


APPENDIX – FURTHER INFORMATION:

Non-randomized studies- unclear as to inpatient or outpatient setting


Review articles


