Title: Biosurgery Products for Hemostasis: Guidelines and Clinical and Cost-Effectiveness

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Research question:

1. What is the evidence for the clinical benefit, harm and comparative effectiveness of biosurgery products for perioperative hemostasis?

2. What is the cost-effectiveness of biosurgery products for perioperative hemostasis?

3. What are the guidelines for use of biosurgery products? When should one product be used over another?

Methods:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 1, 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 2003 and April 2008, 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, clinical guidelines, and economic studies. 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 economic evaluations, randomized controlled trials, observational studies and evidence-based guidelines.

One systematic review, one economic evaluation, and 15 randomized controlled trials were identified from the literature search results. No relevant health technology assessments or
guidelines indicating when each product should be used were identified. Additional observational studies of interest may be found in the Appendix.

**Health technology assessments**
No literature identified

**Systematic reviews and meta-analyses**


**Economic analyses and cost information**


**Randomized controlled trials**

*Adult population*


*Pediatric population*


*Guidelines and recommendations*

No literature identified

*Prepared by:*
Michelle Clark, BSc, Research Assistant
Kelly Farrah, MLIS, Information Specialist

*Health Technology Inquiry Service*
Email: htis@cadth.ca
Tel: 1-866-898-8439
Appendix – Further information:

Observational studies

Adult population


Horizon scanning report


Additional information
