Title: Endovascular Therapy with Coiling Versus Surgical Clipping for Cerebral Aneurysms in Adults: Clinical and Cost-Effectiveness and Guidelines for Use

Date: 06 August 2008

Research question:

1. What is the clinical effectiveness of endovascular therapy with coiling versus surgical clipping for adult patients with cerebral aneurysms?

2. What is the cost-effectiveness of endovascular therapy with coiling versus surgical clipping for adult patients with cerebral aneurysms?

3. What are the guidelines for therapy in adult patients with cerebral aneurysms?

Methods:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 3, 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 July, 2008, and are limited to English language publications only. Filters were applied to limit the retrieval to systematic reviews/health technology assessments, randomized controlled trials, economic studies and clinical practice 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 economic evaluations, randomized controlled trials, observational studies and evidence-based guidelines.

Four systematic reviews, four economic evaluations, and one randomized controlled trial were identified that compare the clinical and cost-effectiveness of endovascular therapy with coiling...
versus surgical clipping for adult patients with cerebral aneurysms. Three evidence-based guidelines for therapy in adult patients with aneurysms were also identified. No relevant health technology assessments were also identified. Additional articles of interest are located in the Appendix.

Health technology assessments
No literature identified

Systematic reviews and meta-analyses


Economic analyses and cost information


Randomized controlled trials


Guidelines and recommendations


Prepared by:
Michelle Clark, BSc, Research Assistant
Carolyn Spry, MLIS, Information Specialist
Health Technology Inquiry Service
Email: htis@cadth.ca
Tel: 1-866-898-8439
Appendix – further information:

Observational studies


Review articles


