Title: Embolization Therapy for Arteriovenous Malformations or Dural Fistulas: Clinical and Cost-Effectiveness and Guidelines for Use

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Research question:
1. What is the clinical effectiveness of embolization therapy versus vascular thromboendarterectomy for patients with arteriovenous malformations or dural fistulas?
2. What is the cost-effectiveness of embolization therapy versus vascular thromboendarterectomy for patients with arteriovenous malformations or dural fistulas?
3. What are the guidelines for therapy in patients with arteriovenous malformations or dural fistulas?

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 health technology 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 health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, observational studies, economic evaluations and 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 (RCTs), observational studies and evidence-based guidelines.
Three systematic reviews, nine observational studies and one guideline were identified pertaining to the clinical effectiveness of embolization therapy versus surgery for patients with arteriovenous malformations or dural fistulas. No health technology assessments, RCTs or cost information was identified. Additional information that may be of interest has been included in the Appendix.

**Health technology assessments**
No literature identified.

**Systematic reviews and meta-analyses**


**Economic analyses and cost information**
No literature identified.

**Randomized controlled trials**
No literature identified.

**Observational studies**


**Guidelines and recommendations**


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Appendix – further information:

Clinical trials

See also the ARUBA trial web site: http://www.arubastudy.org/ (accessed 2008 Aug 5).

Review articles
