TITLE: Intraoperative Electrocorticography Monitoring and Interpretation: Clinical-Effectiveness and Guidelines

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RESEARCH QUESTIONS:

1. What is the clinical-effectiveness of intraoperative electrocorticography monitoring during brain tumour resection and epilepsy surgery?

2. What are the guidelines associated with performing intraoperative electrocorticography monitoring?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 2, 2009), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI, EuroScan, international health technology agencies, and a focused Internet search. The search was limited to English language articles published between 2004 and May 2009. Filters were applied to limit the retrieval to health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, controlled clinical trials, observational studies, 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 randomized controlled trials, controlled clinical trials, observational studies, and evidence-based guidelines.

The literature search identified eleven observational studies on the clinical-effectiveness of intraoperative electrocorticography monitoring during brain tumour resection and epilepsy surgery. No health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, controlled clinical trials, or guidelines were identified. Additional articles of potential interest are included in the appendix.

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Health technology assessments
No literature identified

Systematic reviews and meta-analyses
No literature identified

Randomized controlled trials
No literature identified

Controlled clinical trials
No literature identified

Observational studies


**Guidelines and recommendations**
No literature identified

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APPENDIX – FURTHER INFORMATION:

Observational studies


Review articles