TITLE: Oxcarbazepine versus Other Anticonvulsants for the Treatment of Epilepsy: Clinical Effectiveness and Safety

DATE: 15 August 2012

RESEARCH QUESTIONS

1. What is the comparative clinical effectiveness of oxcarbazepine versus other antiepileptic medications for treatment of patients with new onset epilepsy?

2. What is the comparative safety of oxcarbazepine versus other antiepileptic medications for treatment of patients with new onset epilepsy?

3. What is the comparative clinical effectiveness of oxcarbazepine compared with other antiepileptic medications for treatment of patients with refractory epilepsy?

4. What is the comparative safety of oxcarbazepine compared with other antiepileptic medications for treatment of patients with refractory epilepsy?

KEY MESSAGE

Two health technology assessment reports, nine systematic reviews and meta-analyses, four randomized controlled trials, and twenty-seven non-randomized studies were identified regarding the comparative effectiveness and safety of oxcarbazepine and other antiepileptic medications.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library (2012, Issue 7), University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. Methodological filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, and non-randomized studies. Where possible, retrieval was limited to the human population. The search...
was also limited to English language documents published between January 1, 2002 and August 8, 2012. Internet links were provided, where available.

RESULTS

Rapid Response 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 and non-randomized studies.

Two health technology assessment reports, nine systematic reviews and meta-analyses, four randomized controlled trials, and twenty-seven non-randomized studies were identified regarding the comparative effectiveness and safety of oxcarbazepine and other antiepileptic medications.

Additional references of potential interest are provided in the appendix. Due to the large volume of relevant literature, information in the appendix has been limited to publications from the last five years.

Health Technology Assessments


Systematic Reviews and Meta-analyses


Randomized Controlled Trials


Non-Randomized Studies


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APPENDIX – FURTHER INFORMATION:

Non-Randomized Studies

*Non-Comparative*


Switching from Carbamazepine to Oxcarbazepine


Review Articles


Additional References

PubMed: PM21494841