TITLE: Oxcarbazepine for Non-Epilepsy Indications: Clinical Effectiveness and Safety

DATE: 16 August 2012

RESEARCH QUESTIONS

1. What is the comparative clinical effectiveness of oxcarbazepine versus other medications for the treatment of patients with trigeminal neuralgia or bipolar disorder?

2. What is the comparative safety of oxcarbazepine versus other medications for treatment of patients with trigeminal neuralgia or bipolar disorder?

KEY MESSAGE

Seven systematic reviews, three randomized controlled trials, and three non-randomized studies were identified regarding the comparative clinical effectiveness and safety of oxcarbazepine versus other medications for the treatment of patients with trigeminal neuralgia or bipolar disorder.

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. No filters were applied to limit the retrieval by study type. 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 10, 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.
Seven systematic reviews, three randomized controlled trials, and three non-randomized studies were identified regarding the comparative clinical effectiveness and safety of oxcarbazepine versus other medications for the treatment of patients with trigeminal neuralgia or bipolar disorder. Additional references of potential interest, including other off-label uses of oxcarbazepine, are provided in the appendix.

Health Technology Assessments
No literature identified.

Systematic Reviews and Meta-analyses

Trigeminal Neuralgia


Bipolar Disorder


**Randomized Controlled Trials**

**Trigeminal Neuralgia**


**Bipolar Disorder**


**Non-Randomized Studies**

**Bipolar Disorder**


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APPENDIX – FURTHER INFORMATION:

Randomized Controlled Trials – other off-label uses


   PubMed: PM17535082

Non-Randomized Studies – other off-label uses

   PubMed: PM14604456

Review Articles

Trigeminal Neuralgia

   PubMed: PM18685353

Bipolar Disorder

   PubMed: PM22210279

   PubMed: PM22510036

   PubMed: PM17376019

   PubMed: PM17563245

   PubMed: PM16696822


Other Off-Label Uses


Additional References

Trigeminal Neuralgia


**Bipolar Disorder**


**Other Off-Label Uses**