Title: Trientine for Treatment of Wilson’s Disease: Clinical and Cost-Effectiveness, and Safety

DATE: 10 February 2014

RESEARCH QUESTIONS

1. What is the evidence for the clinical effectiveness and safety of trientine for patients with Wilson’s disease?
2. What is the evidence for the cost-effectiveness of trientine for patients with Wilson’s disease?

KEY MESSAGE

One relevant systematic review and three non-randomized studies were identified regarding the clinical effectiveness and safety of trientine for the treatment of Wilson’s disease. No information on cost-effectiveness was identified.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library (2014, Issue 1), 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, 2003 and February 4, 2014. 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, non-randomized studies, and economic evaluations.

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One relevant systematic review and three retrospective non-randomized studies were identified regarding the clinical effectiveness and safety of trientine for the treatment of Wilson’s disease. No health technology assessments, meta-analyses, randomized controlled trials, or economic evaluations were identified. Additional references of potential interest are provided in the appendix.

Health Technology Assessments
No literature identified.

Systematic Reviews and Meta-analyses

Summary available from: http://www.crd.york.ac.uk/CRDWeb/ShowRecord.asp?AccessionNumber=12009104713#.UvO3zfIdV8F

Randomized Controlled Trials
No literature identified.

Non-Randomized Studies


Economic Evaluations
No literature identified.

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APPENDIX – FURTHER INFORMATION:

Randomized Controlled Trial (Comparator other than penicillamine, zinc, or placebo)


Case Studies or Series on Trientine


Case Studies or Series on Relevant Comparators


Review Articles on Wilson's Disease


Additional References