TITLE: Nitrofurantoin for the Treatment of Urinary Tract Infections in Elderly Males: Safety

DATE: 3 February 2015

RESEARCH QUESTION

What is the clinical evidence regarding the safety of nitrofurantoin in elderly males with urinary tract infections?

KEY FINDINGS

No literature was identified regarding the safety of nitrofurantoin for the treatment of urinary tract infections in elderly males. References of potential interest are provided in the appendix.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library (2015, 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, 2010 and January 28, 2015. Internet links were provided, where available.

SELECTION CRITERIA

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.
Table 1: Selection Criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>Elderly males with urinary tract infections</td>
</tr>
<tr>
<td>Intervention</td>
<td>Nitrofurantoin</td>
</tr>
<tr>
<td>Comparator</td>
<td>No comparator</td>
</tr>
<tr>
<td>Outcomes</td>
<td>Clinical harm</td>
</tr>
<tr>
<td>Study Designs</td>
<td>Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies</td>
</tr>
</tbody>
</table>

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.

No literature was identified regarding the safety of nitrofurantoin for the treatment of urinary tract infections in elderly males.

References of potential interest are provided in the appendix.

OVERALL SUMMARY OF FINDINGS

No relevant literature was found regarding the safety of nitrofurantoin for the treatment of urinary tract infections in elderly males; therefore, no summary can be provided.
REFERENCES SUMMARIZED

Health Technology Assessments
No literature identified.

Systematic Reviews and Meta-analyses
No literature identified.

Randomized Controlled Trials
No literature identified.

Non-Randomized Studies
No literature identified.

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APPENDIX – FURTHER INFORMATION:

Non-Randomized Studies

Outcome by Gender Not Specified

   PubMed: PM23063743

Case Study

   PubMed: PM22836745

Evidence-Based Guidelines

   http://www.sign.ac.uk/guidelines/fulltext/88/index.html
   See: 5.2 Antibiotic Treatment, pages 19 – 20