TITLE:  Compounded Diclofenac Cream for Topical Anti-Inflammatory Treatment: Clinical and Cost-Effectiveness, and Guidelines

DATE:  30 April 2015

RESEARCH QUESTIONS

1. What is the clinical effectiveness of compounded diclofenac cream used as a topical anti-inflammatory treatment?

2. What is the cost-effectiveness of compounded diclofenac cream used as a topical anti-inflammatory treatment?

3. What are the evidence-based guidelines regarding the use of compounded diclofenac cream as a topical anti-inflammatory treatment?

KEY FINDINGS

No relevant literature was identified regarding the use of compounded diclofenac cream as a topical anti-inflammatory treatment.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library, 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, non-randomized studies, economic studies, and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2010 and April 20, 2015. Internet links were provided, where available.

The summary of findings was prepared from the abstracts of the relevant information. Please note that data contained in abstracts may not always be an accurate reflection of the data contained within the full article.
SELECTION CRITERIA

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

<table>
<thead>
<tr>
<th>Table 1: Selection Criteria</th>
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<tr>
<td><strong>Population</strong></td>
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<tr>
<td>Adults requiring anti-inflammatory treatment</td>
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<td><strong>Intervention</strong></td>
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<tr>
<td>Compounded diclofenac cream</td>
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<td><strong>Comparator</strong></td>
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<td>Placebo; Alternate anti-inflammatory pain treatments</td>
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<td><strong>Outcomes</strong></td>
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<tr>
<td>Clinical effectiveness; Clinical benefits and harms; Cost-effectiveness; Guidelines</td>
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<tr>
<td><strong>Study Designs</strong></td>
</tr>
<tr>
<td>Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, economic evaluations, evidence-based guidelines</td>
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</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, non-randomized studies, economic evaluations, and evidence-based guidelines.

No relevant health technology assessment reports, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, economic evaluations, or evidence-based guidelines were identified regarding the clinical or cost-effectiveness of compounded diclofenac cream used as a topical anti-inflammatory treatment.

References of potential interest are provided in the appendix.

OVERALL SUMMARY OF FINDINGS

No relevant literature was found regarding the use of compounded diclofenac cream as a topical anti-inflammatory treatment; 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.

Economic Evaluations
No literature identified.

Guidelines and Recommendations
No literature identified.

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APPENDIX – FURTHER INFORMATION:

Health Technology Assessments – Topical Diclofenac


Systematic Reviews and Meta-analyses – Topical Diclofenac


Guidelines and Recommendations – Topical Non-steroidal Anti-inflammatories

Compounded Diclofenac Cream for Topical Anti-Inflammatory Treatment

See: D1: Acetaminophen and Non-steroidal Anti-inflammatory Drugs, pages 30 to 31

See: Topical treatments, recommendation 1.5.3

See: Topical Agents, page 46

See: 5.2.4 Topical NSAIDs

See: Recommendation 7A, page 342

See: Table 2: Extensor Compartment Tenosynovitis, Hand/Finger Osteoarthrosis

Review Articles

See: 6. Topical Diclofenac, page 19


Additional References
