Compounded Topical Diclofenac for the Treatment of Inflammation in Adults: Clinical Effectiveness, Cost-Effectiveness, and Guidelines
SUMMARY OF ABSTRACTS

Compounded Topical Diclofenac for the Treatment of Inflammation in Adults

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Acknowledgments:

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About CADTH: CADTH is an independent, not-for-profit organization responsible for providing Canada’s health care decision-makers with objective evidence to help make informed decisions about the optimal use of drugs, medical devices, diagnostics, and procedures in our health care system.
Research Questions

1. What is the clinical effectiveness of prescription-strength compounded topical diclofenac for the treatment of adults with inflammation?

2. What is the cost-effectiveness of prescription-strength compounded topical diclofenac for the treatment of adults with inflammation?

3. What are the evidence-based guidelines regarding the use of topical diclofenac for the treatment of adults with inflammation?

Key Findings

No relevant literature was identified regarding the use of prescription-strength compounded topical diclofenac for the treatment of adults with inflammation.

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. 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, 2012 and October 30, 2017. 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

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<th>Population</th>
<th>Adults requiring anti-inflammatory treatment</th>
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| Intervention     | Q1-2: Compounded topical diclofenac at active-ingredient concentration higher than that available in over the-counter products (i.e., >2.32%)  
Q3: Topical diclofenac (any concentration) |
| Comparator       | Q1-2: Over-the-counter topical diclofenac cream (e.g., Voltaren, Voltaren Extra Strength); Placebo  
Q3: Not applicable |
| Outcomes         | Q1: Clinical effectiveness, clinical benefit or harm, safety  
Q2: Cost-effectiveness  
Q3: Guidelines |
| Study Designs     | Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, economic evaluations, evidence-based guidelines |
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 health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, economic evaluations or evidence-based guidelines were identified regarding the use of prescription-strength compounded topical diclofenac for the treatment of adults with inflammation.

References of potential interest are provided in the appendix.

Overall Summary of Findings

No relevant literature was identified regarding the use of prescription-strength compounded topical diclofenac for the treatment of adults with inflammation; 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.
Appendix — Further Information

Systematic Reviews and Meta-Analyses – Strength Not Specified


Randomized Controlled Trials

Alternative Population


Diclofenac as the Comparator


Alternative Intervention


Alternative Outcome


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