CADTH RAPID RESPONSE REPORT: SUMMARY OF ABSTRACTS

Metadol Liquid, Methadose, and Compounded Methadone in Patients Using Opioid Agonist Therapy: Comparative Clinical Effectiveness and Guidelines
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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 comparative clinical effectiveness of metadol liquid or methadose versus compounded methadone in patients using opioid agonist therapy?

2. What are the evidence-based guidelines on the use of metadol liquid or methadose over compounded methadone in patients using opioid agonist therapy?

**Key Findings**

No literature was identified on the clinical effectiveness of metadol liquid or methadose versus compounded methadone in patients using opioid agonist therapy. Moreover, no evidence-based guidelines were identified on the use of metadol liquid or methadose over compounded methadone in patients using opioid agonist therapy.

**Methods**

A limited literature search was conducted on key resources including Medline (in Ovid), 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 01, 2008 and March 28, 2018. 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>
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<tr>
<th>Population</th>
<th>Patients using opioid agonist therapy (OAT)</th>
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| Intervention | Q1: Compounded methadone  
              Q2: Compounded methadone |
| Comparator | Q1: Metadol liquid or methadose  
              Q2: Metadol liquid or methadose |
| Outcomes | Comparative clinical effectiveness (benefit/harm), safety, cost, pharmacokinetic outcomes (e.g., does one medication wear off sooner), guidelines |
| Study Designs | Health technology assessments, systematic reviews, and meta-analyses, randomized controlled trials, non-randomized studies, and 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, and evidence-based guidelines.

No health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, or non-randomized studies regarding the comparative clinical effectiveness of metadol liquid or methadose versus compounded methadone in patients using opioid agonist therapy were identified. No evidence-based guidelines were identified regarding the use of metadol liquid or methadose over compounded methadone in patients using opioid agonist therapy.

References of potential interest are provided in the appendix.

Overall Summary of Findings

No relevant literature was found regarding the comparative clinical effectiveness of metadol liquid or methadose versus compounded methadone in patients using opioid agonist therapy. Moreover, no evidence-based guidelines were identified regarding the use of metadol liquid or methadose over compounded methadone in patients using opioid agonist therapy, 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.

Guidelines and Recommendations
No literature identified.
Appendix — Further Information

Previous CADTH Reports


Note: Mention methadone programs in Canada


Additional References – Related to BC Regulatory Changes


Evidence-Based Guidelines – Compounded Methadone Only


Clinical Practice Guidelines – Methodology Uncertain


