Electromotive Drug Administration Systems for Patients with Non-Invasive Bladder Cancer: Clinical Effectiveness, Cost-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.

Funding: CADTH receives funding from Canada’s federal, provincial, and territorial governments, with the exception of Quebec.
Research Questions

1. What is the clinical effectiveness of electromotive drug administration systems for patient with superficial bladder cancer?

2. What is the cost-effectiveness of the electromotive drug administration system in patients with superficial bladder cancer?

3. What are the evidence-based guidelines regarding electromotive drug administration systems for patients with superficial bladder cancer?

Key Findings

One systematic review and two non-randomized studies were identified regarding the use of electromotive drug administration systems for patient with superficial bladder cancer. No relevant health technology assessments randomized controlled trials, economic evaluation, or evidence-based guidelines were identified.

Methods

This report makes use of a literature search strategy developed for a CADTH report published in September of 2014 and entitled: The use of the electromotive drug administration system in patients with superficial bladder cancer: a review of the clinical effectiveness, safety, and cost-effectiveness. For the current report, 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 retrieval by study type. Where possible, retrieval was limited to the human population. The search was limited to English-language documents published between August 1, 2014 and November 15, 2018 to capture any articles published since the previous report. Internet links were provided, where available.

Selection Criteria

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

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<thead>
<tr>
<th>Table 1: Selection Criteria</th>
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<tr>
<td><strong>Population</strong></td>
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<td><strong>Intervention</strong></td>
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<td><strong>Comparator</strong></td>
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<td>Outcomes</td>
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<td>Q1: Clinical benefit (survival, quality of life, patient outcomes)</td>
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<td>Q2: Cost-effectiveness</td>
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<td>Q3: Evidence-based guidelines for the use of EMDA; guidelines for patient care when patients are receiving EMDA</td>
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</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.

One systematic review and two non-randomized studies were identified regarding the clinical effectiveness and cost-effectiveness of electromotive drug administration systems for patient with superficial bladder cancer. No relevant health technology assessments, randomized controlled trials, economic evaluations, or evidence-based guidelines were identified.

Additional references of potential interest are provided in the appendix.

**Health Technology Assessments**

No literature identified.

**Systematic Reviews and Meta-analyses**


**Randomized Controlled Trials**

No literature identified.

**Non-Randomized Studies**


Economic Evaluations
No literature identified.

Guidelines and Recommendations
No literature identified.
Appendix — Further Information

Previous CADTH Reports


Non-Randomized Studies

Alternate outcomes


Alternate Intervention


Economic Evaluations

Alternate intervention


Guidelines and Recommendations

Alternate Methods

Review Articles


