Subcutaneous Infusions for Pediatric Patients: 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.

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Research Question

1. What are the evidence-based guidelines regarding subcutaneous fluid and medication infusion for pediatric patients?

Key Findings

No relevant evidence-based guidelines were identified regarding subcutaneous fluid and medication infusion for pediatric patients.

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 and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2012 and February 5, 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

<table>
<thead>
<tr>
<th>Population</th>
<th>Pediatric patients</th>
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<tr>
<td>Intervention</td>
<td>Subcutaneous infusion of fluids or medications</td>
</tr>
<tr>
<td>Comparators</td>
<td>Standard of care (e.g., intravenous or intraosseous infusion); No comparator</td>
</tr>
<tr>
<td>Outcomes</td>
<td>Evidence-based guidelines, including recommended infusion rates</td>
</tr>
<tr>
<td>Study Designs</td>
<td>Guidelines</td>
</tr>
</tbody>
</table>


Results

No relevant evidence-based guidelines were identified regarding subcutaneous fluid and medication infusion for pediatric patients.

References of potential interest are provided in the appendix.

Guidelines and Recommendations

No relevant literature found.
Appendix — Further Information

Non-Randomized Studies

Alternate/Mixed Populations

Review Articles

Clinical Practice Guidelines – Uncertain Methodology