Disinfection of Urinary Drainage Bag Ports: Clinical Effectiveness and Guidelines
SUMMARY OF ABSTRACTS

Disinfection of Urinary Drainage Bag Ports

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**Acknowledgments:**

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Research Questions

1. What is the clinical effectiveness of disinfecting urinary drainage bag ports for prevention of infection in patients with indwelling catheters?

2. What are the evidence-based guidelines regarding the disinfection of urinary drainage bag ports?

Key Findings

No relevant literature was identified regarding the clinical effectiveness of disinfecting the drainage port on urinary drainage bags for patients with indwelling catheters.

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, and meta analyses, randomized controlled trials, non-randomized 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, 2012 and April 20, 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>Patients (any age) with indwelling catheters and urinary drainage bags</th>
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<tr>
<td>Intervention</td>
<td>Disinfecting the drainage port on urinary drainage bags after emptying (e.g., with 70% isopropyl alcohol, chlorhexidine)</td>
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</table>
| Comparator         | Q1: No disinfection of drainage port on urinary drainage bags after emptying  
                      | Q2: No comparator necessary                                           |
| Outcomes           | Q1: Clinical benefits and harms (e.g., infection rates)               
                      | Q2: Evidence-based guidelines                                        |
| Study Designs       | Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, evidence-based guidelines |
Results

No relevant health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, or evidence-based guidelines were identified regarding the clinical effectiveness of disinfecting the drainage port on urinary drainage bags for patients with indwelling catheters.

References of potential interest are provided in the appendix.

Overall Summary of Findings

No relevant literature was identified regarding the clinical effectiveness of disinfecting the drainage port on urinary drainage bags for patients with indwelling catheters; 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


Systematic Reviews and Meta-Analyses

Role of Drainage Port Disinfection Unclear


Evidence-Based Guidelines

Role of Drainage Port Disinfection Unclear


Clinical Practice Guideline – Uncertain Methodology


Review Articles