Environmental Restraints for Dementia Patients in Long-Term Care Facilities: 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 clinical effectiveness of using environmental restraints for geriatric patients with dementia or psychosis in long-term care facilities?

2. What are the evidence-based guidelines regarding the use of environmental restraints for patients with dementia or psychosis in long-term care facilities?

Key Findings

No relevant evidence was identified regarding the use of environmental restraints for geriatric patients with dementia or psychosis in long-term care facilities.

Methods

A limited literature search was conducted on key resources PubMed, The Cochrane Library, University of York Centre for Reviews and Dissemination (CRD) databases and a focused Internet search. No methodological filters were applied to limit retrieval by publication type. The search was limited to English language documents published between January 1, 2012 and December 13, 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>Geriatric patients with a diagnosis of dementia or psychosis</th>
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<tr>
<td>Intervention</td>
<td>Environmental restraints (e.g., seclusion, quiet time, locked rooms)</td>
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<tr>
<td>Comparator</td>
<td>Verbal or physical redirection (validate emotions, walk away from others, go for a walk, undertake another activity of interest); Chemical restraints; Environmental restraint methods compared with each other</td>
</tr>
<tr>
<td>Outcomes</td>
<td>Q1: Clinical effectiveness (benefits or harms); Q2: Guidelines</td>
</tr>
<tr>
<td>Study Designs</td>
<td>Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, evidence-based guidelines</td>
</tr>
</tbody>
</table>
Results

No relevant health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, or evidence-based guidelines were identified regarding the use of environmental restraints for geriatric patients with dementia or psychosis in long-term care facilities.

References of potential interest are provided in the appendix.

Overall Summary of Findings

No relevant literature was found regarding the use of environmental restraints for geriatric patients with dementia or psychosis in long-term care facilities.

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

Systematic Reviews – Alternative Population

Qualitative Studies

Review Articles