TITLE: Frequency of Vital Sign Monitoring in the Emergency Department: Guidelines

DATE: 21 September 2016

RESEARCH QUESTION

What are the evidence-based guidelines regarding the recommended frequency of vital sign monitoring in the emergency department?

KEY FINDINGS

No health technology assessments, systematic reviews and meta-analyses, or evidence-based guidelines were identified regarding the frequency of vital sign monitoring in the emergency department.

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. 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 1, 2006 and September 15, 2016. 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 being treated in the emergency department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intervention</td>
<td>Monitoring of vital signs (e.g., temperature, pulse, blood pressure, oxygen saturation, respiration)</td>
</tr>
<tr>
<td>Comparator</td>
<td>None required, different time intervals</td>
</tr>
<tr>
<td>Outcomes</td>
<td>Evidence-based guidelines and best practice regarding the frequency of monitoring</td>
</tr>
<tr>
<td>Study Designs</td>
<td>Health technology assessments, systematic reviews, meta-analyses, evidence-based guidelines</td>
</tr>
</tbody>
</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 evidence-based guidelines.

No relevant health technology assessments, systematic reviews and meta-analyses, or evidence-based guidelines were identified regarding the frequency of vital sign monitoring in the emergency department.

References of potential interest are provided in the appendix.

OVERALL SUMMARY OF FINDINGS

No relevant literature was found regarding the frequency of vital sign monitoring in the emergency department; therefore, no summary can be provided.
REFERENCES SUMMARIZED

Health Technology Assessments
No literature identified.

Systematic Reviews and Meta-Analyses
No literature identified.

Guidelines and Recommendations
No literature identified.

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APPENDIX – FURTHER INFORMATION:

Previous CADTH Reports


Systematic Reviews and Meta-Analyses

Alternate Setting


Unclear Intervention and Alternate Setting


Non-Randomized Studies


Clinical Practice Guidelines – Methodology Not Specified