TITLE: Peripherally Inserted Central Catheter Lines for Ambulatory and In-Hospital Patients: Guidelines

DATE: 26 February 2016

RESEARCH QUESTION

What are the evidence-based guidelines regarding the appropriate use of peripherally inserted central line catheters for ambulatory and in-hospital patients?

KEY FINDINGS

No relevant literature was identified regarding the appropriate use of peripherally inserted central line catheters for ambulatory and in-hospital 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, 2011 and February 10, 2016. Internet links were provided, where available.

The summary of findings was prepared from the abstracts of the relevant information. Please note that data contained in abstracts may not always be an accurate reflection of the data contained within the full article.

SELECTION CRITERIA

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

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Table 1: Selection Criteria

<table>
<thead>
<tr>
<th>Population</th>
<th>Adults and pediatric patients being considered for peripherally inserted central line catheters (PICC) lines</th>
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</thead>
<tbody>
<tr>
<td>Intervention</td>
<td>PICC could be mid-line or central</td>
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<tr>
<td>Comparator</td>
<td>None or central line</td>
</tr>
<tr>
<td>Outcomes</td>
<td>Guidelines regarding insertion and removal – specifically, who should get PICC, when should they be inserted or removed? Are there patients who should not receive them?</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, meta-analyses, or evidence-based guidelines were identified regarding the appropriate use of peripherally inserted central line catheters for ambulatory and in-hospital patients.

Additional references of potential interest are provided in the appendix.

OVERALL SUMMARY OF FINDINGS

No relevant literature was identified regarding the appropriate use of peripherally inserted central line catheters for ambulatory and in-hospital patients; 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:

Guidelines and Recommendations—Methodology Not Specified

   Notes: see section PICC Lines (pages 16-22)


Systematic Reviews—Alternate Issues


Review Articles