TITLE: Trellis Peripheral Infusion System for the Treatment of Venous Thromboembolism: Clinical and Cost-Effectiveness, and Guidelines

DATE: 8 June 2015

RESEARCH QUESTIONS

1. What is the clinical effectiveness of the Trellis Peripheral Infusion System for the treatment of venous thromboembolism?

2. What is the cost-effectiveness of the Trellis Peripheral Infusion System for the treatment of venous thromboembolism?

3. What are the guidelines associated with the use of the Trellis Peripheral Infusion System for the treatment of venous thromboembolism?

KEY FINDINGS

One evaluation was identified regarding the clinical and cost-effectiveness of the Trellis Peripheral Infusion System for the treatment of venous thromboembolism.

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 before May 29, 2015. 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 with venous thromboembolism (VTE) (can include either/or deep vein thrombosis [DVT] and pulmonary embolism [PE])</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intervention</td>
<td>Trellis Peripheral Infusion System (also termed Trellis System)</td>
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<tr>
<td>Comparator</td>
<td>Anticoagulation therapy</td>
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<td></td>
<td>Catheter-directed thrombolysis devices (devices similar to the Trellis system, e.g., AngioJet Thrombectomy System, etc.)</td>
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<td>Systemic thrombolysis</td>
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<tr>
<td>Outcomes</td>
<td>Clinical effectiveness (e.g., patient safety [benefits and harms], clot reduction, length of treatment, post-procedural quality of life [QoL], etc.)</td>
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<tr>
<td></td>
<td>Cost-effectiveness</td>
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<tr>
<td></td>
<td>Guidelines</td>
</tr>
<tr>
<td>Study Designs</td>
<td>Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, economic evaluations, 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 randomized controlled trials, economic evaluations, and evidence-based guidelines.

One evaluation was identified regarding the clinical and cost-effectiveness of the Trellis Peripheral Infusion System for the treatment of venous thromboembolism. No relevant health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, or evidence-based guidelines were identified.

Additional references of potential interest are provided in the appendix.

**Health Technology Assessments**

No literature identified.

**Systematic Reviews and Meta-analyses**

No literature identified.

**Randomized Controlled Trials**

No literature identified.

**Economic Evaluations**


**Guidelines and Recommendations**

No literature identified.
APPENDIX – FURTHER INFORMATION:

Previous CADTH Reports


Systematic Reviews and Meta-Analyses - Trellis Not Specifically Mentioned in Abstract


Non-Randomized Studies


**Economic Studies – Not specific to VTE/PE**


**Guidelines - Trellis Not Specifically Mentioned in Abstract**


**Review Articles**


**Additional References**

