TITLE: Extracorporeal Photopheresis for Crohn’s Disease: Clinical and Cost-Effectiveness

DATE: 18 September 2015

RESEARCH QUESTIONS

1. What is the clinical effectiveness of extracorporeal photopheresis (ECP) for the management of Crohn’s disease?

2. What is the cost-effectiveness of ECP for the management of Crohn’s disease?

KEY FINDINGS

One non-randomized study was identified regarding the clinical effectiveness of extracorporeal photopheresis for the management of Crohn’s disease. No evidence on the cost-effectiveness of this procedure was identified.

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. The search was also limited to English language documents published between Jan 1, 2012 and Sep 15, 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.

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Table 1: Selection Criteria

<table>
<thead>
<tr>
<th>Population</th>
<th>Patients (of any age) with Crohn’s disease</th>
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<tbody>
<tr>
<td>Intervention</td>
<td>Extracorporeal photopheresis</td>
</tr>
<tr>
<td>Comparator</td>
<td>Standard of care;</td>
</tr>
<tr>
<td></td>
<td>No comparator</td>
</tr>
<tr>
<td>Outcomes</td>
<td>Q1: Clinical effectiveness (e.g., change in clinical outcomes or management of illness); Q2: Cost-effectiveness</td>
</tr>
<tr>
<td>Study Designs</td>
<td>Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, economic evaluations</td>
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</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, non-randomized studies, and economic evaluations.

One non-randomized study was identified regarding the clinical effectiveness of extracorporeal photopheresis (ECP) for the management of Crohn’s disease. No relevant health technology assessment reports, systematic reviews, meta-analyses, or randomized controlled trials were identified. In addition, no evidence on the cost-effectiveness of this procedure was 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.

Non-Randomized Studies


Economic Evaluations
No literature identified.
APPENDIX – FURTHER INFORMATION:

Case Studies and Case Series


Clinical Practice Guidelines


Review Articles


Additional References
