TITLE: Electrical Stimulation for Wound Management: Clinical Effectiveness

DATE: 09 February 2010

RESEARCH QUESTION:

What is the clinical effectiveness of electrical stimulation for the management of chronic superficial and deep wounds?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 1, 2010), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI, EuroScan, international health technology agencies, and a focused Internet search. The search was limited to English language articles published between 2005 and February 2010. No filters were applied to limit the retrieval by study type. Internet links were provided, where available.

RESULTS:

HTIS 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, controlled clinical trials, and observational studies.

Two systematic reviews, three randomized controlled trials, one controlled clinical trial, and six observational studies were identified regarding the clinical effectiveness of electrical stimulation for the management of chronic superficial and deep wounds. No relevant health technology assessments were identified. Additional articles of interest can be found in the appendix.

Health technology assessments
No literature identified

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Systematic reviews and meta-analyses

   
   Note: see Electrical Stimulation Therapy, page 107

   
   Centre for Reviews and Dissemination (CRD) structured abstract: http://www.crd.york.ac.uk/CRDWeb/ShowRecord.asp?ID=12009100181

Randomized controlled trials


Controlled clinical trials


Observational studies


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APPENDIX – FURTHER INFORMATION:

Evidence-based guidelines

13. Saskatchewan Skin and Wound Care Action Committee. Saskatchewan skin and wound care guidelines [Internet]. Saskatoon: Health Quality Council; 2006. [cited 2010 Feb 8]. Available from: http://www.hqc.sk.ca/download.jsp?RaQr0bDsT4WcSUlZRfDN3jIlzBf0QfLQkUwK4QBZaJu6ms12FpwqNFIJYgAvw
Note: see 10 Adjunctive Therapies, C-26

Note: see Electrotherapy and electromagnetic therapy, page 183

Review articles

