

Review Group Membership

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Disclaimer:

Technology review is a brief report, prepared on an urgent basis, which draws on restricted reviews from analysis of pertinent literature, on expert opinion and / or regulatory status where appropriate. It is subjected to an external review process. While effort has been made to do so, this document may not fully reflect all scientific research available. Additionally, other relevant scientific findings may have been reported since completion of this review.

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Introduction

Rapid covering and healing of both acute skin defects and chronic skin defects are important objectives for wound healing. In large-surface and deep wounds in which the primary wound closure is not possible or not practicable, the most important issue is to dress the wound with appropriate materials to allow the following: (1) to keep the wound free of infection, (2) to reduce or eliminate pain, (3) to reduce or eliminate all potential factors inhibiting natural healing (eg, dead tissue in burns, superficial fibrosis, necrotic tissue), and (4) to replace or substitute the missing tissue as much as possible.

Systagenix Wound Management, formerly the [REDACTED]

[REDACTED] is focused on enhanced wound care solutions, provides products and services for the treatment of chronic and surgical wounds, and the control of bleeding. The company's products include brands such as PROMOGRAN® Matrix Wound Dressing, TIELLE® Hydropolymer Dressing and REGRANEX® (becaplermin) Gel 0.01%, a prescription treatment for lower extremity diabetic ulcers.

This review was requested by the Senior Principle Assistant, Medical Services development Section following a request to do a rapid health technology assessment from the Head of Discipline of Surgery, Ministry of Health Malaysia.

Objective/Aim

To assess the effectiveness, safety and cost-effectiveness of Systegenix wound care products for use in the medical facilities in Ministry of Health Malaysia.

Results and Conclusions

Based on the above review, there was no retrievable scientific evidence on most of the systegenix wound care products. There were only case reports from the vendor on SILVERCELL dressings. There was limited scientific evidence on PROMOGRAN, ADAPTIC NON-ADHERING, TIELLE and ACTISORB SILVER dressings. The potential for PROMOGRAN dressing was promising and the outcomes were encouraging for treatment of chronic wounds. However, a large prospective evaluation is warranted to provide further scientific evidence on its effectiveness.

Methods

Literatures were searched through electronic databases specifically PubMed/Medline, Cochrane, OVID, INAHTA and also in general databases. Google was used to search as additional web-based information. In addition websites for existing HTA agency, society websites and cross-referencing of the articles retrieved were also carried out accordingly to the topic.

A critical appraisal of the retrieved papers was performed and the evidence level was graded according to the US/Canadian Preventive Services Task Force.