

Title	Ultrasonic Wound Debridement Device
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Reference	Technology Review Report - 002/2015, online: http://www.moh.gov.my/index.php/database_stores/store_view_page/30/248

Aim

To assess the safety, effectiveness and cost-effectiveness of ultrasonic wound debridement device using low-frequency high intensity contact ultrasound for wound debridement

Conclusions and results

There was limited evidence retrieved to show that this device was not associated with major complications. However, mild pain was one of the reported adverse events.

Low frequency high intensity contact ultrasound debridement device or ultrasonic wound debridement device seemed to have potential benefit as an adjunct to standard treatment for chronic wounds such as diabetic foot ulcers, venous ulcers and pressure ulcers. However, there was lack of good quality evidence. Hence, more quality evidence is required.

There was no retrievable evidence on the cost-effectiveness.

Recommendations (if any)

Recommended for research purpose or used in research environment

Methods

Electronic databases were searched, which included PubMed, Medline, Journal @ Ovid full text via OVID, OVID EBM Reviews - Cochrane central register of controlled trials, EBM Reviews - Cochrane database of systematic review, Horizon scanning databases - Centre, Birmingham, Australia and New Zealand Horizon scanning (ANZHSN), FDA website, MHRA website and from non-scientific database - Google search engine. In addition, a cross-referencing of the articles retrieved was also carried out accordingly to the topic. Relevant articles were critically appraised and evidence graded using US/Canadian Preventive Services Task Force.

Further research/reviews required

Studies on cost-effectiveness is warranted

Written by

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