

CADTH RAPID RESPONSE REPORT: SUMMARY OF ABSTRACTS

Sodium Chloride Impregnated Gauze for Fungating, Malignant Wounds: Clinical Effectiveness, Cost- Effectiveness, and Guidelines

Service Line:	Rapid Response Service
Version:	1.0
Publication Date:	March 24, 2020
Report Length:	5 Pages

Authors: Deba Hafizi, Nina Frey

Cite As: Sodium Chloride Impregnated Gauze for Fungating, Malignant Wounds: Clinical Effectiveness, Cost-Effectiveness, and Guidelines. Ottawa: CADTH; 2020 Mar.. (CADTH rapid response report: summary of abstracts).

Disclaimer: The information in this document is intended to help Canadian health care decision-makers, health care professionals, health systems leaders, and policy-makers make well-informed decisions and thereby improve the quality of health care services. While patients and others may access this document, the document is made available for informational purposes only and no representations or warranties are made with respect to its fitness for any particular purpose. The information in this document should not be used as a substitute for professional medical advice or as a substitute for the application of clinical judgment in respect of the care of a particular patient or other professional judgment in any decision-making process. The Canadian Agency for Drugs and Technologies in Health (CADTH) does not endorse any information, drugs, therapies, treatments, products, processes, or services.

While care has been taken to ensure that the information prepared by CADTH in this document is accurate, complete, and up-to-date as at the applicable date the material was first published by CADTH, CADTH does not make any guarantees to that effect. CADTH does not guarantee and is not responsible for the quality, currency, propriety, accuracy, or reasonableness of any statements, information, or conclusions contained in any third-party materials used in preparing this document. The views and opinions of third parties published in this document do not necessarily state or reflect those of CADTH.

CADTH is not responsible for any errors, omissions, injury, loss, or damage arising from or relating to the use (or misuse) of any information, statements, or conclusions contained in or implied by the contents of this document or any of the source materials.

This document may contain links to third-party websites. CADTH does not have control over the content of such sites. Use of third-party sites is governed by the third-party website owners' own terms and conditions set out for such sites. CADTH does not make any guarantee with respect to any information contained on such third-party sites and CADTH is not responsible for any injury, loss, or damage suffered as a result of using such third-party sites. CADTH has no responsibility for the collection, use, and disclosure of personal information by third-party sites.

Subject to the aforementioned limitations, the views expressed herein do not necessarily reflect the views of Health Canada, Canada's provincial or territorial governments, other CADTH funders, or any third-party supplier of information.

This document is prepared and intended for use in the context of the Canadian health care system. The use of this document outside of Canada is done so at the user's own risk.

This disclaimer and any questions or matters of any nature arising from or relating to the content or use (or misuse) of this document will be governed by and interpreted in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein, and all proceedings shall be subject to the exclusive jurisdiction of the courts of the Province of Ontario, Canada.

The copyright and other intellectual property rights in this document are owned by CADTH and its licensors. These rights are protected by the Canadian *Copyright Act* and other national and international laws and agreements. Users are permitted to make copies of this document for non-commercial purposes only, provided it is not modified when reproduced and appropriate credit is given to CADTH and its licensors.

About CADTH: CADTH is an independent, not-for-profit organization responsible for providing Canada's health care decision-makers with objective evidence to help make informed decisions about the optimal use of drugs, medical devices, diagnostics, and procedures in our health care system.

Funding: CADTH receives funding from Canada's federal, provincial, and territorial governments, with the exception of Quebec.

Questions or requests for information about this report can be directed to requests@cadth.ca

Research Questions

1. What is the clinical effectiveness of sodium chloride impregnated gauze or dressings for the management of fungating malignant wounds?
2. What is the cost effectiveness of sodium chloride impregnated gauze or dressings for the management of fungating malignant wounds?
3. What are the evidence-based guidelines regarding sodium chloride impregnated gauze or dressings for the management of fungating malignant wounds?

Key Findings

No relevant clinical evidence or evidence-based guidelines were identified sodium chloride impregnated gauze or dressings for the management of fungating malignant wounds

Methods

This report is an update of a literature search strategy developed for a previous CADTH report. For the current report, 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 used to limit retrieval. The date parameters used were Jan 1 2015 to March 13 2020.

Selection Criteria

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

Table 1: Selection Criteria

Population	Patients with malignant, fungating wounds (i.e., not “chronic” wounds, which have a treatment goal of healing)
Intervention	Management of the wound with sodium chloride impregnated gauze or dressings (e.g., Mesalt dressings)
Comparator	Q1-2: Management of the wound with standard care for malignant, fungating wounds (e.g., management of wound draining, smell etc.) Q3: Not applicable
Outcomes	Q1: Clinical effectiveness (e.g., hospital stay, quality of life, functioning [e.g., ability to work], adverse events [e.g., mortality, contact rashes, skin issues])

	Q2: Cost-effectiveness (e.g., quality adjusted life years, incremental cost-effectiveness ratios) Q3: Recommendations regarding the use of sodium chloride impregnated gauze or dressings
Study Designs	Health technology assessments, systematic reviews, randomized controlled trials, non-randomized studies, economic evaluations, evidence-based guidelines

Results

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, are presented first and are followed by randomized controlled trials, non-randomized studies, economic evaluations, and evidence-based guidelines.

No relevant health technology assessments, systematic reviews, randomized controlled trials, non-randomized studies, economic evaluations, or evidence-based guidelines were identified regarding sodium chloride impregnated gauze or dressings for the management of fungating malignant wounds

References of potential interest are provided in the appendix.

Overall Summary of Findings

No relevant literature was found regarding sodium chloride impregnated gauze or dressings for the management of fungating malignant wounds, therefore no summary can be provided.

References Summarized

Health Technology Assessments

No literature identified.

Systematic Reviews and Meta-analyses

No literature identified.

Randomized Controlled Trials

No literature identified.

Non-Randomized Studies

No literature identified.

Economic Evaluations

No literature identified.

Guidelines and Recommendations

No literature identified.

Appendix — Further Information

Systematic Reviews – Unclear Intervention

1. Tsichlakidou A, Govina O, Vasilopoulos G, Kavga A, Vastardi M, Kalemikerakis I. Intervention for symptom management in patients with malignant fungating wounds - a systematic review. *J BUON*. 2019 May-Jun;24(3):1301-1308.
[PubMed: PM31424694](#)

Non-Randomized Studies – Alternative Population

2. Liu Z, Xiong Z, Wu J, Wang F. Clinical curative effect of Mesalt combined with Mepilex dressing in postoperative infection of inguinal hernia. *Med Sci Monit*. 2015 Apr 09;21:1038-1042.
[PubMed: PM25854191](#)