

## CHRONIC VENOUS ULCERS

The results of this study indicate that patients with chronic venous ulcers show improvement after the use of topical sucralfate - "Topical treatment of chronic venous ulcers with sucralfate: a placebo controlled randomized study" (*Int J Mol Med.* 2008 Jul;22

**ABSTRACT:** "Venous leg ulcers are an important medical issue due to their high incidence in the elderly and the lack of a standard curative approach. Apart from surgical therapy, different medical treatments to effect ulcer wound repair and regeneration are currently being investigated. Sucralfate is a cytoprotective agent employed to prevent or treat several gastrointestinal diseases such as gastroesophageal reflux, gastritis, peptic ulcer, stress ulcer and dyspepsia. In this study we evaluated the efficacy, safety and tolerability of topical sucralfate (SUC-LIS 95) on the healing of chronic venous leg ulcers in 50 patients by a double-blind, placebo-controlled, randomized study. Our results indicated that the daily application of SUC-LIS 95 to non-infected post-phlebitis/vascular ulcers, for a median period of 42.0 days, led to complete healing in 95.6% of patients, against only 10.9% of cases with a matched placebo. A significant improvement was obtained in the SUC-LIS 95-treated patient group with regard to local tissue inflammation as well as pain and burning, and consequently, in ulcer size and the evolution of granulation tissue. Our findings were corroborated for selected patients by the morphological analysis of biopsies obtained before and after treatment. Using ultrastructural analysis we demonstrated that the topical use of SUC-LIS 95 was able to affect neoangiogenesis, increase wound contraction, promote re-epithelialization of the wound area and diminish the inflammatory reaction. Overall, our results indicated that patients with chronic venous ulcers show improvement after the use of topical sucralfate." PMID: 18575771

This report reviews the clinical evidence on the use of topical sucralfate on wound healing - "Topical use of sucralfate in epithelial wound healing: clinical evidences and molecular mechanisms of action" (*Recent Pat Inflamm Allergy Drug Discov.* 2010;4(1):25-36).

**ABSTRACT:** "Sucralfate is a basic aluminium salt of sucrose octasulphate which was orally employed for prevention and treatment of several gastrointestinal diseases including gastroesophageal reflux, gastric and duodenal ulcer. Recent studies have employed sucralfate as a topical drug for the healing of several types of epithelial wounds such as ulcers, inflammatory dermatitis, mucositis and burn wounds. Epithelial wound healing is a well orchestrated process involving hemostasis, inflammatory reaction, cell proliferation and tissue remodelling which leads to granulation tissue development and filling of the wound space. This report will review clinical evidences on the use of topical sucralfate for the management of epithelial lesions and deal with the current knowledge on the molecular mechanisms of action of this compound towards the epithelial wound healing process and will also discuss relevant patents." PMID: 19832693

With our state of the art compounding lab and pharmaceutical knowledge and experience, we can compound sucralfate into a topical cream in a variety of strengths.

An example of how you might prescribe follows:

COMPOUNDED MEDICATION
<p><b>Sucralfate 10%</b>  <b>Topical Cream</b>                      120gm                      Apply to affected area 2-3x day</p>