

Outcomes of treatment of long-term non-healing wounds of soft tissues

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Funding information
Self-funded

Conflict of interest
None declared by author

ABSTRACT

Various soft tissue injuries are quite common in personnel's daily surgical practice, and purulent lesions of these tissues occupy one of the leading causes of work losses. For various reasons, a large number of these wounds become chronic and take a long time to heal. Thus, long-term non-healing wounds (LNW) due to purulent diseases of soft tissues in the accounted for up to 30% of all surgical diseases. In terms of treatment duration, they occupy first place among inpatients. The frequency of their recurrence remains high. Available publications, undoubtedly indicate that a dry and hot climate has a significant impact on the course of other diseases, including wounds of various areas. However, the course of long-term non-healing wounds remains practically unstudied, not only in a dry, hot climate, but also in conditions of constant active combat operations. For the treatment of long-term non-healing wounds, a huge arsenal of not only medications and physiotherapeutic methods, but also various folk methods were used. At present, this arsenal has been significantly expanded with new drugs; however, in a number of cases they are very expensive and their effectiveness does not always justify these costs. Standard approaches to the treatment of LNW are built without taking into account the pathophysiological mechanisms of their occurrence, the biochemistry of wound healing and are limited to the prescription of antiseptics. The aims of the study are to improve the prevention and treatment results of LNW in patients working in hot climate conditions, to identify factors influencing the occurrence and course of LNW, determine the effectiveness of local application of antiseptic solutions of various concentrations for the treatment, and to develop recommendations for the prevention and treatment

Keywords: Soft tissue wounds, Long-term Non-healing, Treatment, Outcomes

Citation:

Rivera I. Wilson, Kelly S. Anderson. Outcomes of treatment of long-term non-healing wounds of soft tissues. AJMS 2025; 11 (2): 93-102

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