

THE TREATMENT OF NEUROPHATIC ULCERS WITH LINOLEIC ACID COMPARED WITH TEN YEARS IN LITERATURE

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Introduction: Neuropathy is the major cause of tissue ulceration and amputation of the lower limb. The topical treatment of these injuries has a relevant discussion between health professionals.

Objective: Analyze the result of LA associated with the d-alpha-tocopherol in the treatment of neuropathic ulcers and then to compare the results with the treatment options described in the literature.

Methods: Third-two patients with neuropathic ulcer were randomized and treated on opened study with AL solution. Criteria for inclusion and exclusion were followed by pre-established protocol. The reduction of the wound area was calculated by $AI - AF \times 100/AI$. EA were assessed. After the conclusion, using specific keywords we reached the researches published or not in the literature, present in bibliographic databases, sites, Annals of Congress between 1996 and 2006. These studies were valued on established protocol with specific criteria. Only nine (9) studies were included which were analyzed and then the results were compared with the first study. Kaplan-Meier and Mann-Whitney tests were applied in order to have the statistic result.

Results: The Kaplan-Meier revealed that both groups reached 90% of healing at the same period. Mann-Whitney test showed that both groups had the same healing rate $p = 0,25$ and $p = 0,33$.

Discussion: Many published studies showed deficiencies as small number of sample or results not statistically significant. Our study was well tolerated by patients and showed the same efficacy on healing rate and treatment time as well as those presented on literature.