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Efficacy of ٨٠٪ phenol solution in comparison with cryotherapy in the treatment of common warts of hands

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View references (٢٢)

Abstract

Introduction: The common wart is a common infectious disease caused by human papilloma virus. A variety of therapeutic modalities are available. Cryotherapy (liquid nitrogen) is one of the most common treatment forms. It freezes the tissue and destroys warts. Phenol is a caustic agent. Our purpose was to evaluate and compare the efficacy of cryotherapy and ٨٠ percent phenol solution on common warts of hands. Methods: This single-blinded clinical trial study was performed on ٦٠ patients with common warts referred to the dermatology clinic of Ghaem Hospital Mashhad, Iran, in ٢٠٠٢. Patients were randomly divided into two groups; ٣٠ patients were treated with cryotherapy and ٣٠ patients were treated with ٨٠ percent phenol, on a once-weekly basis until complete clearance of the lesions or a maximum duration of six weeks. Results: Complete clearance of warts after six weeks was observed in ٧٠ percent of patients who were treated with cryotherapy, and ٨٢,٦ percent of patients in the ٨٠ percent phenol group; there was no statistically significant difference between the two methods (p-value is ٠,٠١٤). Conclusion: Our data indicates that ٨٠ percent phenol and cryotherapy are effective and simple treatments for common warts of hands, and patients do not experience any pain during the treatment.

Author keywords

Cryotherapy; Human papilloma virus; Liquid nitrogen; Phenol; Warts

Indexed Keywords

EMTREE drug terms: liquid nitrogen; phenol

EMTREE medical terms: adolescent; article; burning sensation; child; clinical evaluation; clinical trial; controlled clinical trial; controlled study; cryotherapy; erythema; female; hand disease; human; hypopigmentation; Iran; major clinical study; male; randomized controlled trial; school child; single blind procedure; therapy effect; treatment duration; verruca vulgaris

MeSH: Administration, Topical; Adolescent; Caustics; Cryotherapy; Female; Humans; Male; Phenol; Single-Blind Method; Warts
Medline is the source for the MeSH terms of this document.

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