



INFECTIOUS DISEASES (BACTERIAL, FUNGAL, VIRAL, PARASITIC, INFESTATIONS)

COMPARISON OF THE EFFECTS OF SALICYLIC ACID SOLUTIONS VERSUS CRYOTHERAPY FOR THE TREATMENT OF EXTRA GENITAL WART ON PATIENTS REFERRED TO THE FARSHCHIAN HOSPITAL

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Introduction and Objective: This study compared the therapeutic effect of salicylic acid 40% solution and cryotherapy in the treatment of skin warts.

Material and Methods: This study was carried out in a randomized clinical trial on patients who were referred to clinics of Dermatology Department of Farshchian hospital in Hamadan by diagnosis of wart. Patients who had the criteria for entering the study after obtaining written and informed consent. In each patient, one to three warts were randomly treated with cryotherapy and one to three others with 40% salicylic acid. After the end of the treatment period, we evaluated the improvement and complications in both groups. Then, the collected data were entered into SPSS software and analyzed.

Results: 160 warts were studied in this study. In 80 warts, cryotherapy was used and 80% salicylic acid 40% solution was used. Regarding the efficacy of treatment, non-healing, normal skin color, normal lines in cryotherapy group were 2.6, 5.27 and 2.66 percent, respectively, and in the acid salicylic 40% solution group: 4.16, 4.38 and 5.42 percent respectively ($P=0.016$). The incidence of pain and blistering complications was significantly higher in the cryotherapy group than in salicylic acid 40% solution group ($P<0.001$). There was no significant difference in the effectiveness of treatment with age and sex and type of wart.

Conclusion: The treatment of Extra genital wart with cryotherapy more successful than in the case of salicylic acid solution 40%, and it has fewer side effects of itching and hyperpigmentation, although pain and blister complications following cryotherapy were significantly higher than those with salicylic acid 40% solution.

