

Abstract**Effectiveness of autoimplantation in the treatment of multiple cutaneous warts**Kellapatha IP^{1*}, Wijesinghe WAMS², Dissanayake LP², Kumari GMNC³, Madarasingha NP¹¹ Dermatology Unit, Teaching Hospital Anuradhapura, Sri Lanka² MOH Office NPE, Anuradhapura, Sri Lanka³ Teaching Hospital Kandy**Abstract****Background**

Viral warts are a common presentation to a dermatological practice. The standard treatment is freezing with liquid Nitrogen which is a physical ablative method. Viral wart auto-implantation is a known method in the treatment of viral warts, but not very popular in day to day practice.

Methods

A randomized controlled trial was carried out at Dermatology unit, Teaching Hospital Anuradhapura to assess the efficacy and safety of auto-implantation when compared to cryotherapy. A total of 120 patients were randomly allocated to the two treatment arms and the response to treatment was assessed monthly for 12 weeks. To achieve the study objective the deductive approach and quantitative analysis were used. Data were analysed using chi square test and, P value<0.05 was taken as significant.

Results

Out of 103 patients who completed the observational period 54 had received cryotherapy and 49 had auto-implantation of warts. At the end of 12 weeks 90.7% of patients who received cryotherapy and 36.7% of patients who had auto-implantation had complete response. Based on the higher cure percentage the proposition was accepted that cryotherapy was a better treatment when compared to auto-implantation. Further analysis revealed that the side effects were less in auto-implantation when compared to cryotherapy.

Conclusion

Cryotherapy gives significantly higher rates of complete response in treating viral warts when compared to auto-implantation (P<0.05). Although inferior to cryotherapy, auto-implantation could be useful in selected cases of viral warts as a treatment option.

Key words: Autoimplntation; Cryotherapy; Viral warts**Copyright:** © 2015 Kellapatha IP *et al*. This is an open access article distributed under the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.* **Correspondence** : indikaip@yahoo.com

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