

عنوان مقاله:

Comparing Pulsed-dye Laser with Cryotherapy in the Treatment of Common Warts

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Abstract INTRODUCTION: No modality has been identified as the treatment of choice for treating common warts. Cryotherapy and pulsed-dye laser (PDL) are among common modalities for treating these lesions. The aim of this study was to compare pulsed dye laser with cryotherapy in terms of efficacy and complications. **METHODS:** Of a total of ۴۶ patients enrolled in this study, ۷ patients withdrew the study, ۲۰ patients underwent cryotherapy and ۱۹ patients underwent PDL. Patients underwent a maximum of ۴ therapeutic sessions at ۳-week intervals in both groups. They were assessed for the remission rate (complete and partial), side effects and recurrence rate in each session and ۱ month after termination of the treatments. **RESULTS:** At the end of the study complete remission was achieved in ۳۷.۸% of patients in cryotherapy group and in ۵۲.۳% of patients in PDL group. This difference wasn't statistically significant ($P=۰.۲۲۹$), though after first and second sessions of treatment complete and excellent partial remission occurred more in PDL group with significant difference ($P=۰.۰۰۷$ and $P=۰.۰۲۱$). Pain and bulla formation occurred statistically higher in cryotherapy group ($P=۰.۰۰۲$ and $P=۰.۰۰۱$). Other complications were rare in both groups. **CONCLUSION:** In terms of efficacy, we couldn't demonstrate the superiority of pulsed dye laser therapy to cryotherapy in treating common warts. Both methods were safe for long-term complications but PDL was much safer for short-term complications.

Keywords: wart pulsed-dye laser cryotherapy efficacy side effects

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