



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

SAFETY AND EFFICACY OF INTRALESIONAL VITAMIN D3 IN THE MANAGEMENT OF PERIUNGUAL WARTS

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Background: Periungual warts are benign epidermal proliferations caused by human papilloma virus (HPV). Though spontaneous remission is reported, refractory and recurrent warts require therapeutic intervention. Commonly employed modalities such as cryotherapy, electrocoagulation and laser therapy are very painful in periungual location and can cause scarring as well as permanent dystrophy of nail unit. Immunotherapy is an emerging therapeutic modality and acts on the principle of enhancing the cell mediated immunity.

Objective: The objective was to study the efficacy and safety of intralesional vitamin D3 as the primary treatment modality in the management of periungual warts.

Materials and Methods: Thirty seven adult (>18 years) patients satisfying the inclusion and exclusion criteria were recruited for the study. 0.1 ml/cm² of Vitamin D3 (600000 IU;15mg/ml) was used for individual periungual warts. In case of multiple warts, a maximum of 0.4 ml of vitamin D3 was used in a single sitting. The injections were repeated after 2 weeks for a maximum of 4 sessions or until complete clearance, whichever was earlier. Patients were followed up for 3 months after the last injection.

Results: Twenty eight patients (M:F=19:9) with a mean age of 28.17 ± 6.2 years completed the study and were taken for analysis. The mean duration of the disease was 2.8 ± 1.6 months. Overall, 22 patients (78.57%) showed complete remission, 6 patients (21.42%) showed partial improvement. Mean sessions required for complete clearance was 2.5 ± 0.9 . No recurrence was observed at the injection site in 3 months of follow up. Injection site pain was the only side-effect.

Conclusions: Intralesional vitamin D3 is an effective and safe treatment modality for the treatment of periungual warts. Further case-control studies are required to validate the findings.

