



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

VITAMIN D3 IN WARTS – BOON OR BANE?

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Background: skin warts are benign tumours caused by infection of keratinocytes with HPV, visible as well defined hyperkeratotic protrusions. Although the diagnosis is very simple based on clinical examination, treatment is quite challenging. There are many treatment modalities available, Immunotherapy with intralesional vitamin D3 is a newly emerging modality.

Objectives: To evaluate the safety and efficacy of intralesional vitamin D3 for the treatment of warts

Material and methods: Sixty-three patients with multiple warts attending Osmania general hospital, Hyderabad, India from January 2018 to January 2019 were enrolled in the study. Vitamin D3 (0.2 ml, 15mg/ml) was injected into the base of the wart after injecting lignocaine (0.2ml, 20mg/ml). Injections were given in 4 sessions to a maximum of 3warts/session, 2 weeks apart. Patients were followed up to 6 months after the last injection.

Results: Out of 63 patients, 36 had palmoplantar warts and 27 had verruca vulgaris. Only 6 patients showed mild response and 57 patients showed no response. No serious adverse effects were reported. Though few studies are emphasizing the role of vitamin D3 in the treatment, the present study could not find any satisfactory outcome.

Key message: vitamin D3 is neither useful nor harmful as per the present study.

