



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

IMMUNOTHERAPY FOR THE TREATMENT OF WARTS

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Introduction: Viral warts are known to clear spontaneously with the development of cell mediated immunity. Therapeutic stimulation of CMI for the clearance of warts is known as immunotherapy. Various fungal, viral and mycobacterial antigens have been used for immunotherapy in the treatment of wart. Author used Injection PPD (Purified Protein Derivative of tubercular bacilli) to stimulate CMI in treatment of warts.

Method: Injection PPD (Purified Protein Derivative) 10 IU/0.1ml is used. 1 unit is injected on left forearm (similar to Mantoux testing) and 1 IU intradermally in the lesions. In case of Multiple Lesion few representative lesion were injected. Injection were repeated after 3-4 weeks with total of 4 sessions. Followup period was 6months from last injection.

Results: Study involves 61 patients of which 55 patient are available for analysis, which includes 40 male and 15 female. These includes 25 patient of Verruca vulgaris, 12 Patient of plantar warts and 18 patient of verruca plana. Of these 55 patient 42 (76%) patient showed total clearance of injected as well as non-injected distant warts and remaining 13 patients were non responder. Only one patients developed recurrence after total clearance during the followup period of 6 months. Adverse effects were mostly mild like erythema, oedema and pain at the site of injection. Irrespective of the antigen used to stimulate CMI in various studies, the success rate of most of studies is around 70-80% more than placebo arm (around 25%).

Conclusion: Immunotherapy for the treatment of wart is Low cost, Safe and effective treatment.

