ABSTRACT BOOK ABSTRACTS



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

TREATING RECALCITRANT VIRAL WARTS WITH HUMAN PAPILLOMA VIRUS (HPV) VACCINE: A RETROSPECTIVE COHORT STUDY.

HIj Lim⁽¹⁾ - S Sutjipto⁽²⁾ - Zwd Lim⁽²⁾ - Yw Yew⁽¹⁾

National Skin Centre, Dermatology, Singapore, Singapore⁽¹⁾ - Nhg, Internal Medicine, Singapore, Singapore⁽²⁾

INTRODUCTION: Treatment of viral warts that fail conventional destructive and immunotherapies remain challenging.

OBJECTIVE: To assess the efficacy and adverse effects of Quadrivalent HPV vaccine as treatment for persistent/disseminated genital and non-genital warts.

MATERIAL AND METHODS: All cases diagnosed as viral warts at a tertiary outpatient dermatology and venereology clinic between May 2013 and May 2016 were retrieved from the Electronic Medical Records using diagnosis codes. Cases who received the quadrivalent HPV vaccine for their treatment of their warts were included. Demographic data, sites of involvement, concomitant treatment, treatment outcome and time to resolution were analysed with descriptive and multivariate regression analysis.

RESULTS: Our study included 167 patients with a mean age of 29 years. There were 108 patients with genital warts, 42 with non-genital warts and 17 with both types of warts. HPV vaccine was effective in 88% of patients with genital warts, 78% for non-genitals warts and 88% for those with both. Majority of patients in the responder group had complete resolution of warts (n=87 (94.6%)), and 55 patients had partial resolution of warts. The median time to resolution was 2 months from first vaccination. Concomitant active treatments in this group were cryotherapy (n=92) and both Imiquimod and cryotherapy (n=4). The study did not identify any factors that may predict treatment failure

CONCLUSIONS: Our study suggests a promising use of quadrivalent HPV vaccination as an active treatment for recalcitrant cutaneous viral warts.



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