MEDICAL THERAPIES AND PHARMACOLOGY

COMPARATIVE EVALUATION OF EFFICACY OF INTRALESIONAL MYCOBACTERIUM W VACCINE VERSUS INTRALESIONAL MEASLES MUMPS RUBELLA VACCINE VERSUS AUTOIMPLANTATION THERAPY IN CUTANEOUS WARTS

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Introduction: Cutaneous warts are caused by HPV. There are innumerable treatment options but no single treatment is 100% effective. Most modalities are associated with scarring and recurrence. Recently, immunotherapy has been shown to be effective in the management of cutaneous warts.

Objective: Comparative evaluation of efficacy of intralesional Mw vaccine versus intralesional MMR vaccine versus autoimplantation therapy in cutaneous warts.

Materials and Methods: A total of 90 patients were included in the study. They were randomly divided into 3 groups of 30 patients each. Group 1 patients were given 0.1 ml intralesional Mw vaccine and Group 2 patients were given 0.5 ml intralesional MMR vaccine at 3 week intervals, until complete clearance of warts or maximum of 3 injections. Group 3 patients underwent homologous implantation after harvesting the pared wart tissue. Follow up was done every 3 weeks for 3 months.

Results: At the end of the study, there was statistically significant difference ($p<0.05$) betweenthe three modalities. Highest efficacy was seen with Mw vaccine followed by MMR vaccine and autoimplantation therapy. Complete clearance was seen in 26 (86.66%), 23 (76.66%) and 19 (63.33%) patients; partial response was seen in 4 (13.32%) ,5 (16.66%) and 8 (26.65%) patients ; no response was seen in 0 (0%) ,2 (6.66 %) and 3 (10%) patients of Group 1, 2 and 3 respectively. There were no serious adverse events or recurrence at 3months follow up in all groups.

Conclusions: All the three modalities are quite effective and safe in treatment of cutaneous warts but Mw vaccine is more efficacious than MMR vaccine and autoimplantation therapy.