



ORIGINAL RESEARCH PAPER

Dermatology

INCIDENCE OF HLA-CW6 IN PSORIASIS PATIENTS: A STUDY IN A TERTIARY HEALTH CENTRE IN WEST BENGAL.

KEY WORDS:

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INTRODUCTION:

Psoriasis is a common inflammatory and proliferative skin condition. It is clinically characterized by sharply defined plaques with silvery scales on the extensors of limbs.

According to Hensela and Christopher, there are two types of psoriasis vulgaris with HLA linkage .Type one with HLA linked and they are under 40 years of age but type two are over 40 years of age and not linked with HLA.

HLA is a genetic risk factor for psoriasis vulgaris. Here, we have taken a study to understand the frequency of HLA-CW6 in a group of psoriasis patients.

OBJECTIVES:

To assess the risk of HLA-CW6 people for psoriasis.

METHODOLOGY:

This is a cross sectional study conducted in a tertiary referral centre, the study – Procedure: 5 ml blood was taken for laboratory examination to determine HLA-CW6.

RESULT:

- (1)cases
 - (a)Inclusion criteria: all psoriasis patients but they are must be willing to participate in the study.
 - (b) Exclusion criteria: moribund patients
 - (2)Control
- Healthy people were taken into study after taking inform written consent.

Population	HLA-CW6+VE	Percentage	HLA-CW6-VE	Percentage
Study group	159	44.59	128	44.59
Normal healthy	128	44.59	159	55.40
p-value	<0.005			

DISCUSSION:

Psoriasis is a multifactorial disease with a strong background. HLA-Cw6 is one of the most strongly associated alleles for susceptibility of psoriasis. It has been observed in our study that people with age below 40 years are more affected and they are obese. These people are showing higher incidence of guttate psoriasis. The worldwide frequency of HLA-Cw6 varies greatly. Although a small study, we tried to find out incidence of HLA-Cw6 positivity among psoriasis patients in eastern India.

CONCLUSION:

We found HLA-Cw6 in our study group 44.59 percent cases in psoriasis patients compared to normal population. We put into chi square test and found the p-value is <0.005.

So, we concluded that HLA-Cw6 is strongly associated with psoriasis in our study.

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