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**Original article:**

**Serum proteins and Alkaline Phosphatase in Psoriasis: A case-control study**

**1Dr Nitin Nair, 2 Ms Chetana Shenoy, 3Dr Vishal B, 4 Dr Manjunath Shenoy M,**

**5Dr Sowmyashree Krishna**

1. Junior resident, Department of Dermatology, Yenepoya Medical college, Yenepoya University, Deralakatte, Mangalore – 575018. India.
2. Junior Research Fellow & PhD scholor, Department of Dermatology, Yenepoya Medical college, Yenepoya University, Deralakatte, Mangalore – 575018. India.
3. Professor, Department of Dermatology, Yenepoya Medical college, Yenepoya University, Deralakatte, Mangalore – 575018. India
4. Professor & Head, Department of Dermatology, Yenepoya Medical college, Yenepoya University, Deralakatte, Mangalore – 575018. India.
5. Assistant Professor, Department of Dermatology, Yenepoya Medical college, Yenepoya University, Deralakatte, Mangalore – 575018. India.

**Corresponding author:** Dr Manjunath Shenoy M

**Abstract:**

**Introduction: Psoriasis has been considered as a challenging dermatological disease with various systemic events. Multiple factors have been implicated in the pathogenesis of psoriasis backed up by numerous studies. It is associated with many biochemical abnormalities which have been implicated in the pathogenesis of the disease.**

**Objectives: The purpose of this study was to compare the levels of various biochemical parameters such as serum albumin, globulin and alkaline phosphatase in psoriasis patients and a group of healthy controls. Correlation between these parameters in groups of psoriasis divided based on severity of the disease was also looked into.**

**Materials and Methods: We performed a retrospective study on 80 psoriasis patients and 73 healthy age and sex matched controls.**

**Results:** The serum levels of alkaline phosphatase was more in the cases than controls, whereas the serum levels of albumin and globulin were more in the controls than the cases. It was found that the serum levels alkaline phosphatase and globulin were more in patients with severe disease, whereas the serum levels of albumin were more in patients with mild to moderate disease.

Conclusion: Serum albumin and serum alkaline phosphatase may have a role in etiology of psoriasis. Further studies are recommended to draw a conclusion.