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The relationship between oral lichen planus and blood group antigens

Maryam Moshaverinia

Shiraz University of Medical Sciences, Iran

The aim of this study was to evaluate the relationship between oral lichen planus and ABO blood group and Rh system in patients referred to Shiraz dental school. This study was a cross sectional-descriptive study. 50 patients with oral lichen planus that knew their type of blood groups and Rh system participated in this study. The disease was diagnosed by clinical trial in reticulo-popular form and both clinical and histopathology exam in erythematous and atrophic forms to diagnose the lesions. Finally, the type of oral lichen planus, type of blood groups and the type of Rh system were recorded for each subject. Results revealed that there is no statistically significant relationship between ABO blood groups and oral lichen planus disease, also no significant relationship is seen between Rh system and this disease. In conclusions, according to the results, ABO blood groups and Rh system are not risk factor for oral lichen planus.

m.moshaverinia@gmail.com