

Blood Type of a pregnant woman as a risk for periodontal disease susceptibility

Sorena Vahabi¹

1.Associate Professor of periodontics Department, School of dentistry, Shahidbeheshti University of Medical Sciences, Tehran, Iran

Aim: Periodontal diseases are among the risk factors of cardiac diseases and cardiac failure is the most prevalent cause of death in both developing and underdeveloped countries. There are some evidences showing the different prevalence of cardiac diseases among persons with different blood groups. Regarding to high prevalence of periodontal diseases specially in pregnant women as a high risk group, this study was done to investigate the possible relationship between ABO blood groups, Rh system & periodontal diseases in pregnancy in 2014 in Karaj hygienic centers, Tehran province, IRAN

Materials & Methods: Six hundred pregnant women between 5th and 8th months (about 150 persons in each ABO blood groups) were included in this analytical study. PDI, MGI & S-OHI were measured and ABO, Rh blood groups were recorded and results in different conditions were analyzed by Chi-Square test ($P < 0.05$).

Results: There were no significant relationships between ABO blood groups, Rh system & periodontal diseases in pregnant women. A significant relationship was found between Rh negative system and loss of periodontal attachment loss.

Conclusions: The results of this study introduced Rh positive pregnant women as a risk group who need more periodontal recalls and suggested the multi center long term studies to confirm these finding.