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Platelet count increases in smoking pregnant

Zeliha Cansever(1), M Oncel(2), R Selimoglu(3), T Cengiz(3), H Alptekin(3), A Deniz(4)

(1) Department of Medical Education and Informatics, Mevlana University, Konya, Turkey

(3) Department of Gynecology and Obstetrics, Mevlana University Faculty of Medicine, Konya, Turkey

(4) Department of Physiology, Mevlana University Faculty of Medicine, Konya, Turkey

Corresponding author: Assistant Professor Zeliha Cansever, Mevlana University, Department of Medical Education and Informatics, Konya, Turkey. E-mail: dr.zelihacan@hotmail.com

Background & Aim: Physiological variations occur during pregnancy. Smoking was considered as causing disturbing effects on complete blood count parameters. In this study, we aimed to evaluate the impact of smoking on platelet count and platelet indexes in pregnant.

Method: Pregnants aged between 18-40 years who were on follow up in Obstetrics and Gynecology Clinics of Mevlana University Health Application and Research Centre from December 2014 to December 2015 were included in this retrospective study. From 218 pregnant 43 were smokers and 175 were non-smokers. Demographic characteristics of the pregnant were obtained from the archive files and complete blood count parameters from the laboratory information system.

Results: Platelet count was significantly higher in smoker pregnant than the non-smokers ($p=0.013$). However MPV, PDW, PCT and PLCR values were similar in both groups ($p>0.05$).

Conclusion: We can conclude that smoking in pregnancy increases platelet count, but does not influence platelet indexes.

Key words: pregnancy; smoking; platelet indexes