

A Prospective Study of Thrombocytopenia in all Trimesters of Pregnant Women in Baquba City in Iraq

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Abstract

Background: In pregnancy there is decrease in platelet count mainly in late stage, which is normal physiological phenomena in third trimester, thrombocytopenia is a second common hematological condition affecting pregnant women after anaemia, unless its severe, otherwise it require no treatment.

Objective: To estimate and evaluate the platelet count during different trimester of pregnancy, with presence or absence of thrombocytopenia.

Patients and Methods: Platelet count was performed on pregnant women attending Al-Batool Teaching Hospital for Maternity and Paediatric in Baquba - Diyala, and some private clinic and laboratories in Baquba, during the period from March 2013 to November 2015 . Ninety pregnant women were included in the study group and thirty healthy non pregnant women as control group. Platelets count were done for them using automated hematology auto-analysers ABX-Horiba Micros 60, and comparison in platelets counts done between study group and control group and between different trimesters of pregnancy.

Results: Platelet count were lower in pregnancy with range (57-399) in compared with control group with range (166-399), and its lower in third trimester mean(208.69) in compared with other trimesters (first and second with mean 262.96 , 261.56 respectively) and the differences were statistically significant $p < 0.001$.

Conclusion: In this study we find a mild thrombocytopenia during pregnancy especially in third trimester, but this had no effect on mother, fetus and may not cause bleeding complication of delivery, which need only monthly follow up.

Key words: Pregnancy, thrombocytopenia, trimester, platelet.

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