**Hematological profile of normal pregnant women in Diyala province**

**Abstract**

Hematological profile is considered one of the factors affecting pregnancy and its outcome. Anemia, thrombocytopenia and Leukocytosis is almost always associated with pregnancy. The study reported here was designed to evaluate the overall mean values of some major hematological parameters and their mean values at different trimesters of pregnancy.

This examination was a cross-sectional study of 50 pregnant women who registered to attend the AL- batol Teaching Hospital between their first and third trimester. Blood (2.5 mL) was collected from each participant into a tube containing the anticoagulant ethylenediaminetetraacetic acid (EDTA). A full blood count was performed on each sample and the results were analyzed.

A statistically significant relationship was found to exist between packed cell volume and white blood cell count with increase in gestational age. However, there was no statistically significant association between platelet count and increase in gestational age. **In conclusion:** These findings reinforce the need for supplementation and provide additional information on hematological reference values in pregnancy in Diyala.