

Vol. 12 (3): 155-158 (2022)

VARIATION IN BLOOD PRESSURE, GLYCAEMIA, HAEMOGLOBIN AND HAEMATOCRIT LEVELS WITHIN AGE AND PREGNANCY NUMBER IN PREGNANT IN WOMAN LIVING IN THE TIARET REGION, ALGERIA

Bourabeh Akila¹, Meliani Samia², Berrani Abdelkader^{2*}

¹*Veterinary Sciences Institute, University of Tiaret, 14000, Algeria;*

^{2*}*Nature and Life Sciences Faculty, University of Tiaret, 14000, Algeria;*

*Corresponding Author Berrani Abdelkader, e-mail : kadibiovet@gmail.com;

Received March 2022; Accepted April 2022; Published May 2022;

DOI: <https://doi.org/10.31407/ijeess12.319>

ABSTRACT

The aim of this work was to determine variation in blood pressure, glycaemia, haemoglobin (Hb) and haematocrits (Ht) levels according to the age of pregnancy in woman living in the Tiaret region. Our study concerned the collection of data recorded during follow-up consultations of pregnant women at the Tiaret maternity hospital, the data were recorded between September 2018 and January 2020 and were noted and analysed statistically. In total, data from more than 1045 pregnant women, aged 16 to 49, were used in our work. The highest haemoglobin concentration was 15.54 (g/dl), while the lowest was 6.30 g/dl with an average of 11.54 g/dl. The haematocrit percentage varied between a minimum value of 10% and a maximum value of 49.10% with an average of 32.29%. In this work, the age of pregnant women varied between 16 and 49 years with an average of 30.56. While the number of pregnancies per woman varied between 1 and 12. The maximum blood pressure was 11.19 (mmHg) and the minimum blood pressure was 7.03 (mmHg). For glycaemia the maximum value was 1.9 g/l against a minimum value of 0.15 g/l with an average of 0.84 g/l., the highest blood pressure reported was 12 mmHg in women aged 40 and older, while the lowest values were recorded in women aged 16 with 10mmHg. The minimum blood pressure the highest value was 7.62 mmHg in 41-year-old women, while the minimum value was recorded in 47-year-old women with 6mmHg. We concluded that maternal age and pregnancy number are correlated with variations in blood pressure, blood sugar, haemoglobin and haematocrit's levels.

Keywords: Blood pressure, Haemoglobin, haematocrit, pregnancy.