

## **Analysis of Selected Hematological Variables during Three Different Menstrual Phases between Sedentary and Sports Women**

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**Abstract :** The purpose of the study was to analyse the red blood cells and white blood cells during three different menstrual phases between sedentary and sports women. To achieve this purpose, fifteen female sedentary post graduate students (M.A., M.Sc.) and fifteen students of Master of Physical Education and Sports (M.P.Ed.) women who regularly involved in vigorous sports training and participated in sports competition on different games were selected by adopting random sampling method. All the students were hostelers and their age group was between 20 to 22 years. The blood sample were collected during the mid-period of the three different phases to calculate the red blood cells and white blood cells. The data collected were treated statistically by using analysis of variance. The results reveal that the RBC and WBC is found to be significant between sedentary and sports women during the three different menstrual phases.

**Keywords :** RBC, WBC, menstrual, proliferative, secretory, sedentary women, sports women

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