

The Role of Hemoglobin in Psychological Well Being and Academic Achievement of College Female Students

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Abstract : The present study attempts to explore the differences in academic achievement and psychological well being and its components – satisfaction, efficiency, sociability, mental health, interpersonal relations in low and moderate level of hemoglobin of college female students. It also tries to find out how hemoglobin, psychological well-being and academic achievement correlate to each other. For this study 200 (100 low hemoglobin level and 100 moderate hemoglobin level) college female students were selected by random sampling method. This sample is collected from the project 'Health awareness and hemoglobin improvement programme', which is being collaboratively conducted by 'Akshyabhasha, MESA, U.S.A. and Smt. M.G. Kanya Mahavidyalaya, Sangli, Maharashtra, India. Psychological Well-Being Scale was used to collect the data. Students' academic achievement was collected through college record, and hemoglobin level of female students was collected from project record. Data was analyzed by using independent 't' test and Pearson's correlation coefficient. The finding of the study revealed significant differences between low hemoglobin and moderate hemoglobin groups regarding efficiency and mental health. No significant difference was observed on satisfaction, sociability and interpersonal relations. It is also found that there is significant difference between low hemoglobin and moderate hemoglobin groups on academic achievement. The study revealed positive correlation between hemoglobin and academic achievement and psychological well-being and academic achievement. Moderate hemoglobin level create more efficiency, better mental health and good academic achievement in female students. One could say that there is significant role hemoglobin plays in psychological well being and academic achievement of college female students. Anemia is widely prevalent in all the states of India among all age groups. In India, college girls contribute major portion of population. It has been reported that 80% female population has hemoglobin deficiency, due to illiteracy of female, family structure, status of women, diet habits, gender discrimination and various superstitions. The deficiency of hemoglobin affects physical and mental health, general behavior and academic performance of students. This study is useful to educational managements, counselors, parents, students and Government also. In the development of personality physical as well as psychological health is essential. This research findings will create awareness about physical and mental health among people and society.

Keywords : academic achievement, college female students, hemoglobin, psychological well-being

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