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ASSOCIATION OF MOVIE LIKENESS WITH BLOOD GLUCOSE LEVEL

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ABSTRACT

The concentration of the glucose in the blood is called blood glucose level. Glucose is a source of energy for all of us. Its normal values are controlled by metabolic pathways. Disturbed level of sugar may lead to diseases. High level of glucose in blood refers to hyperglycemia. Low level refers to hypoglycemia. Proper medications and balanced diet can help get rid of blood glucose level complications. Movies are the ways through which various issues of vital importance are highlighted and the general awareness is developed among the people. The cruel faces and aspects of the society are unveiled. The love for humanity and respect for all are the matters that are provoked. The objective of the present questionnaire based study was to correlate the blood glucose level of human with the variable of behavior relating to movies. For this purpose, a survey was conducted in which students of BZ University took part. The blood glucose level of all the participants was checked and recorded. Then, their response was taken and recorded. Various mathematical and algebraic operations were performed by using MS excel. The p value less than 0.5 was taken to be significant

Keywords: Blood glucose level, metabolic pathways, movie likeness

INTRODUCTION:

Blood glucose level is the amount of sugar in our blood. It is the concentration of glucose in our blood. According to a research, in a healthy person having weight equal to 150 lb or 70 kg, have 4 grams of glucose in his blood. Glucose is a simple sugar. The regulation of blood glucose level is a homeostatic function. Glucose is stored in skeletal muscles and liver cells. When the blood glucose level raises, the extra glucose is converted into glycogen and stored in body. When the sugar level decreases, the stored glycogen is converted back into glucose. In this way, a cycle maintains the blood glucose level. Pancreas secrete a hormone named as insulin which controls glucose level. Glucose is the basic energy source as well. It is necessary for normal functioning of various tissues like brain. The glucose level varies during different times of the day. It is low in early morning before breakfast and slowly raises after meals. Internationally, the sugar level of blood is measured in millimoles per litre (mmol/L) also abbreviated as mM. Normal values of sugar level in blood is different. Normally, it may be 4.4 to 6.1 mmol/L in a person during fasting situation. Under some conditions, this concentration may vary greatly. It leads to medical abnormalities. High blood sugar level is called hyperglycemia. Low blood glucose level is hypoglycemia. Its constant high level causes many long term health consequences like cardiac and kidney failures, nervous attacks, eyesight damage and even cancer. Its most common type is Diabetes. Such persons take proper medications and properly manage their diets. Some patients may be dependent on Insulin from outside because their intestines fail to produce enough insulin to maintain the balance of blood glucose level. Hypoglycemia is very low blood glucose level. Its symptoms include low mental functioning,

general weakness, sweating and often loss of consciousness. Little fluctuations are under the control of two types of hormones secreted by pancreatic cells. These hormones are catabolic hormones such as glucagon which converts glycogen into glucose and thus increase its concentration in blood. Another type is anabolic hormones like insulin which converts excess of glucose into glycogen and decrease the level of sugar in blood.

The movies are the vehicles to show the various dual faces of a society. People watch the movies for the sake of fun and recreation to enjoy their free time but they learn something from these movies as well. They appreciate the good deeds and personality of hero and hate the evil faces as shown in the movies. In this way, a trend of hatred against crimes and wrong ones develops. There are some movies full of fun and laughs. These movies are comedy type. People laughs a lot by watching the movies and forget their worries for some time. In this way, they get escape from harsh realities of life. Movies have impressive stories and have a good message in the end. These are the roads on which the wheels of social awareness run. There are different types of movies and of course difference is there at the public level because they have different choices to watch the movies. Some people like to watch the action movies in which cruel aspects are shown. Some people like to watch comedy movies and have a funny nature. Some others are interested in love stories and romantic movies. All these choices are variables of human behavior and depend upon the mood. All the choices show the psychiatry of persons.

The purpose of the present study was to correlate the human blood glucose level with the trend of movie likeness among various people.

MATERIALS AND METHODS:

A questionnaire was prepared about movie likeness and the general consent of the people was taken on the same issue. They were asked whether they like to watch movies in their leisure time. Total 170 number of participants took part in the study. All the participants were the students of BZU Multan. Their blood glucose level was tested first.

Protocol of checking blood glucose level:

We checked the blood glucose level of all the participants in fasting condition. All they were having no breakfast and their sugar level was tested in morning without any sort of first meal of the day. We asked them to wash their hands with warm water as it would increase their blood flow. Then, We pricked their fingertip with the help of a lancet. Blood oozed out. We took a drop of blood on test strip and then placed strip on the digital machine. After few seconds, the reading was shown on the display dial showing the level of blood sugar. Separate lancets and strips were used for all of the participants.

Statistical Analysis:

We performed statistical analysis using MS excel. Finally, We performed the T test and thus, p value was obtained. The p value less than 0.5 was considered significant.

RESULTS AND DISCUSSIONS:

We found the blood glucose level of all the persons. We recorded the blood

glucose level of the persons who replied in yes separately and those of persons who said no separately. We calculated the average. Then, We found the standard deviation using MS excel. We calculated separate averages and standard deviations. By performing the T test, We calculated the probability constant. This value less than 0.5 was considered significant. All the persons had have different level of blood glucose concentration. There were some similarities as well but these were not constant as it was a homeostatic issue. The persons said yes or no in accordance with their own choices and it showed that the likeness or dis likeness for movies among the people of different families and age groups having different blood glucose levels was a behavioral variable. It showed the diverge trends and psychiatry of the people. The p value as calculated in this study was 0.21. It was a non-significant value indeed.

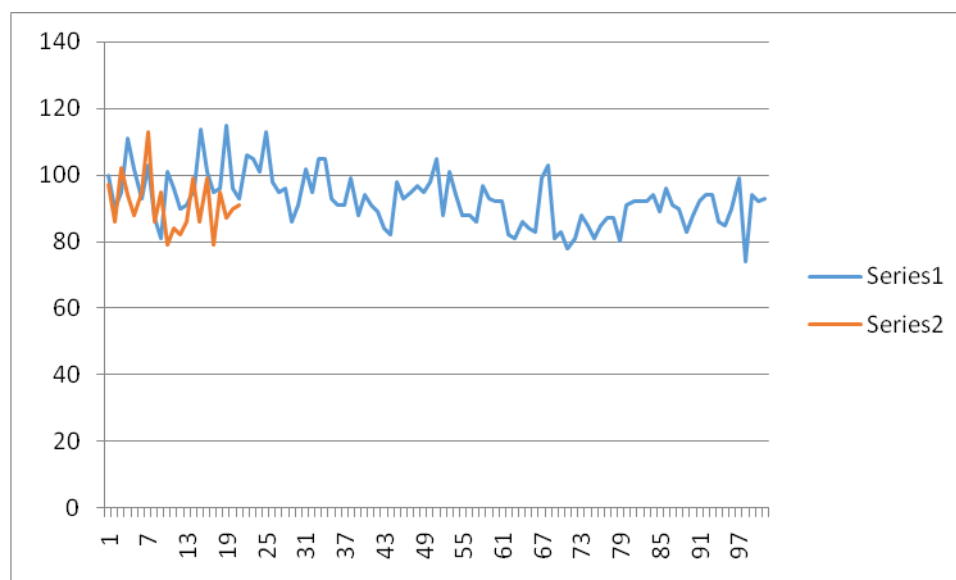


Figure 1: Series 1 is for the persons who like movies while the series 2 is for the persons who do not like movies. Their blood glucose levels were varied from 78 to 116.

The questionnaire based studies have been given great importance in recent years (1-10). These are the ways to conduct surveys among the people on various social issues as well as on the medical issues. It was concluded from the present study that glucose concentration in blood was different and usually low during fasting conditions. It had different values for different students. Some had usually normal values and some others had low values but these fluctuations were not as wide that would depict any medical issue or disease. These were of little differences and usually fell in the normal conditions. Then, the persons were interviewed about the question that whether the liked to watch movies or not. All the subjects gave their consent indifferent to their fellows and a diverse school of thought was found.

CONCLUSION:

Blood glucose levels of the persons who like movies and for the persons who do not

like movies were not statistically significant. Therefore, there is no scientific relation between the blood glucose levels and movie's likeliness.

REFERENCES

1. Qadir MI, Malik SA (2010) Comparison of alterations in red blood cell count and alterations in hemoglobin concentration in patients suffering from rectal carcinoma undergoing 5-fluorouracil and folic acid therapy. *Pharmacologyonline*, NI 3: 240-243.
2. Qadir MI, Noor A (2018) *Anemias. Rare & Uncommon Diseases*. Cambridge Scholars Publishing. Newcastle, England. ISBN: 978-1-5275-1807-0.
3. Qadir MI, Javid A (2018) Awareness about Crohn's Disease in biotechnology students. *GloAdv Res J Med Medical Sci*, 7(3): 062-064.
4. Qadir MI, Saleem A (2018) Awareness about ischemic heart disease in university biotechnology students. *GloAdv Res J Med Medical Sci*, 7(3): 059-061.

5. Qadir MI, Ishfaq S (2018) Awareness about hypertension in biology students. Int J Mod Pharma Res, 7(2): 08-10.
6. Qadir MI, Mehwish (2018) Awareness about psoriasis disease. Int J Mod Pharma Res, 7(2): 17-18.
7. Qadir MI, Shahzad R (2018) Awareness about obesity in postgraduate students of biotechnology. Int J Mod Pharma Res, 7(2): 14-16.
8. Qadir MI, Rizvi M (2018) Awareness about thalassemia in post graduate students. MOJ Lymphology&Phlebology, 2(1): 14-16.
9. Qadir MI, Ghalia BA (2018) Awareness survey about colorectal cancer in students of M. Phil Biotechnology at BahauddinZakariya University, Multan, Pakistan. Nov Appro in Can Study, 1(3): NACS.000514.2018.
10. Qadir MI, Saba G (2018) Awareness about intestinal cancer in university student. Nov Appro in Can Study, 1(3): NACS.000515.2018.