

Association of Chicken Likeness with Blood Glucose Level

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Abstract

The target of the existing study was to relate chicken likeness with blood glucose level. Blood glucose level or blood sugar level or blood sugar level concentration is the level of the glucose existing in the blood of homo sapiens and mammals. Sum total of 100 students participate in the current research. We made a question sheet and got access to the blood sugar level of the participants. The participants were the students of Bahauddin Zakariya University, Multan, Pakistan. At the end we concluded that there is no relation between chicken likeness and blood sugar level.

Keywords: Blood Glucose, Homeostasis, Domestic

Introduction

Blood glucose level or blood sugar level or blood sugar level concentration is the level of the glucose existing in the blood of Homo sapiens and mammals. According to estimation the constant amount of 4 grams of glucose exists in the blood in Homo sapiens. The simplest of all the sugars is glucose (monosaccharide) which is present in the blood. The blood glucose level is firmly adjusted by the body as a chunk of the assimilation homeostasis. This glucose comes from the food (protein, fat and carbohydrate) that we eat and that is metabolized, formed and stored in different forms in different parts of the body. Liver and skeletal muscle is the storage cells of the glucose in the form of glycogen. During fasting, the constant blood glucose level is sustained by the stored glycogen. For cells and body glucose is the main root of the energy and is transported to each of the cells by way of bloodstream but the cells do not make use of it without insulin. The absorbed glucose is ingested from the intestine by the blood straightly which result an increase amount of blood glucose (also known as dextrose). The normal blood sugar level is 100 mg/dL in 8 hours fasting while 140 mg/dL after 2 hours eating. But those normal conditions vary among the people. 60 mg/dL is normal in some people while 90mg/dL is also normal for others. Some people have the lower and some have the higher sugar level. In some people the blood sugar not falls below 60mg/dL even in the case of prolonged fasting. The liver maintains the normal level of it by converting the fat and muscle into sugar but some people's level decline sometimes. Our body manages the level of blood so that it may not too high nor too low. The sustained body's internal environment requires for the functioning of it which is called homeostasis. There are different forms of sugar. The form of the sugar that is in blood is not like as sucrose but is glucose. But the blood glucose level fluctuates and it rises after eating and settled after an hour. That level is very low before the first meal of the day (breakfast). When

carbohydrates (sugar, sucrose) are eaten they firstly converted into simple sugar (glucose) which is readily converted into the energy. The glucose enters directly into the blood from the digestive track but enters in the cells only when insulin is present in bloodstream. When insulin is absent the cells will be starved. After eating meal, the blood sugar level increases and the pancreas starts to release the insulin for entering the glucose into the cell and the glucose level rises to the normal. The excess of it stored in glycogen form. The high blood sugar resulting the diabetes which has negative impact on the body. The recommendations for diabetic patient before eating are 70 & 130 mg/dL. Glucagon is another hormone which is released during starvation which breaks the glycogen to glucose. Blood glucose is measured for those people who are taking insulin, the one who is pregnant, having ketone bodies from high blood glucose level etc [1].

Chickens are young domestic fowl and are omnivores. They scratch the soil for food, seeds, insects, animals as well as young mice or lizards or small snakes. Hens and roosters are separated from each other by their striking plumage, pointed feathers and long flowing tails. Beard or muff is the mutation that is present in many chicken breeds that is the agent of an extra feathering. Domesticated chicken is able to long flight while the birds with low weight can flight at the lower distance. Chickens were the first domesticated for cockfighting in Africa, Asia and Europe according to the conventional prospect. The layer hens are those hens which are farmed only for eggs. UK alone drains 34 million eggs per day. There are some of the hen breeds which can generate over 300 eggs daily. More than 75% flocks were sloughing towards US in 2003. Chickens are vulnerable to many parasites in conjunction with mites, ticks, lice, intestinal worms, fleas and others. Chickens are not influenced by the chickenpox. Chickenpox is only hampered to humans [2].

The target of the existing study was to relate chicken likeness with blood glucose level.

Material and Methods

Blood glucose meter is an electronic device which is used to measure the glucose of the blood by you. For it pierce your fingertip through a small needle and put a drop of blood on the test strip. Strip is loaded into the blood glucose meter. After than digital display presents the sugar level of your blood. To check out the sugar level of blood there are many requirements. First of all, arrange all the things that are needed (lancet, blood glucose meter, test strip). Scrub the hands before the testing because the dirt or debris can mix with blood and destroy the results. Remove one strip from the package and slot into the glucose meter. Take a drop of blood from the fingertip and place it on the strip without smearing. After few time the glucose meter will unveil the sugar level of the blood [3-11].

The blood sugar can also be measured by urine. Sugar is normally not present in urine but if it is finding in urine it is the sign of high blood sugar which can be detected by dipstick. The amount of it is 10mmol/L which is removed by the kidney.

Blood sugar level can also be computed in laboratory and that is the best method to compute it by taking the blood from vein.

Project and designing

Sum total of 100 students participate in the current research. We made a question sheet and got access to the blood sugar level of the participants. The participants were the students of Bahauddin Zakariya University, Multan, Pakistan.

Statistical Analysis

M State is a soft wear which we used to perform the statistical analysis. T-test was carried out in finding the result. $P < 0.05$ considered as significant.

Result and Discussion

Table1: Relation of Blood Sugar with Chicken Likeness

Gender	Chicken likeness	Chicken dislikeness	p-value
Male	91.6±6	92±7.07	0.9
Female	92±9.4	88.75±6.79	0.1
Combined	91.95±8.56	89±6.69	0.1

$p > 0.05$ (where $p > 0.05$ means that results are non-significant)

The above table is the representation that there is no relationship between blood sugar and chicken likeness. Our study was based on small population of the university students. The males whose blood sugar on average is lower are chicken lovers while those whose blood sugar is comparatively high are chicken phobias. While females whose blood sugar is higher are chicken lovers while with lower are not chicken lovers. I failed to find any research on association of chicken likeness with blood glucose level.

Conclusion

At the end we concluded that there is no relation between chicken likeness and blood sugar level.

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