

## Is there any Relation of Urine Glucose with Tooth Decay?

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### **Abstract**

*The main purpose of the present study was to know the effect of urine glucose upon tooth decay. Glucose is also present in the urine and the concentration of glucose in the urine is 0 to 0.8mmol/L. If there is high level of glucose in the body that it can cause the serious problems in the body like it is the main reason of the diabetes. In this study 100 students play a role from Bahauddin Zakariya University, Multan, Pakistan. Project was designed that to know either there is any relation among the urine glucose and with the tooth decay. So, with the help of the obtained data we designed project. It was concluded with the obtained data that there was no relation of tooth decay with glucose level.*

**Keywords:** Urine Glucose, Tooth Decay, Glycosuria

### **Introduction**

Glucose is also present in the urine and the concentration of glucose in the urine is 0 to 0.8mmol/L. If there is high level of glucose in the body that it can cause the serious problems in the body like it is the main reason of the diabetes. The condition in which there is high level of glucose in the urine is known as renal glycosuria. This condition occurs when there is high level of glucose in the urine and when the blood glucose levels is normal. There are many methods which can be used to lower the glucose level are do exercise regularly, drink water more and increase your fiber intake. While in normal situation, urine does not contain the glucose because kidneys are able to take up the filtered glucose from the tubular fluid. But the glycosuria is a condition that occurs due to the high level of the glucose in the urine. There are the two types of diabetes, type 1 diabetes and type 2 diabetes. In this type 2 diabetes, that is related to the high level of glucose in the urine. Tooth decay is the major problem in human. It also present in the children and as well as in children. It occurs due to the sugary material that has a great level of carbohydrates, starch and proteins and overuse of these foods can leads towards the tooth decay. In this minerals that are necessary for the teeth remove by the bacterial attack. So due to this a hole is formed within the teeth. It can be formed due to the action of bacteria on the teeth. Sometimes it can become a health serious problem if it is not treated at its time. But we can avoid from this disease, with the less use of the sugary food. A protective layer is also present upon the teeth that protect our teeth from many attacks. But due to our fault our teeth could be destroyed.

The main purpose of the present study was to know the effect of urine glucose upon tooth decay.

### **Material and Method**

In this study 100 students play a role from Bahauddin Zakariya University, Multan Pakistan.

#### **Method of measuring urine glucose**

Students went into the labs with their samples and then we noted down the value of glucose in the urine with the help of a strip. We placed the strip in the urine collection bag for 1-2mint. Then we noted the values of the different individual.

#### **Project designing**

Project was designed that to know either there is any relation among the urine glucose and with the tooth decay. So, with the help of the obtained data we designed project.

## Results

In these results were shown in table form and **Table.1** showed that males had tooth decay in relation of urine glucose had value of 17% and that had no were 16% in case of negative. While those had positive value were 10% and had no tooth decay in case of positive were 2%. Table.2 showed that females had negative value for them were 96% and 57%. While in case of positive the value were 2% and 3%.

**Table.1: Relation of urine glucose on tooth decay in males**

Males	Negative	Positive
<i>Have tooth decay</i>	17%	10%
<i>Have no tooth decay</i>	16%	2%

**Table.2: Relation of urine glucose on tooth decay in females**

Females	Negative	Positive
<i>Have tooth decay</i>	96%	2%
<i>Have no tooth decay</i>	57%	3%

## Discussion

Glucose is also present in the urine and the concentration of glucose in the urine is 0 to 0.8mmol/L. If there is high level of glucose in the body that it can cause the serious problems in the body like it is the main reason of the diabetes. The condition in which there is high level of glucose in the urine is known as renal glycosuria. This condition occurs when there is high level of glucose in the urine and when the blood glucose levels is normal. . It occurs due to the sugary material that has a great level of carbohydrates, starch and proteins and overuse of these foods can leads towards the tooth decay. In this minerals that are necessary for the teeth remove by the bacterial attack. So due to this a hole is formed within the teeth. So, tooth decay had relation with the urine in glucose with tooth decay.

## Conclusion

It was concluded from the obtained data that there was no relation of tooth decay with glucose level because the negative percentage were high and positive percentage were low.

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