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IS THERE ANY ASSOCIATION OF URINE GLUCOSE LEVEL WITH CHEEK DIMPLES?

Hafiz Muhammad Noman Ajmal*¹ and Muhammad Imran Qadir¹

¹Institute of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan, Pakistan.

ABSTRACT

Our purpose of present study was to verify the association of urine glucose level with cheek dimples. Glucose urine test could be a fast strait way to check if glucose in urine is high or low. Glucose is a sugar that our body needs to extract energy from it. Our body changes the carbohydrates into glucose so that we get energy through it. If you have a large amount of glucose level in urine than it is a sign of disease. Serious complications may take place if you do not receive a treatment for it. To check glucose level in urine we perform urine test. It can be checked through an instrument called gage and check our live glucose level. Dimples are actually deformation of skin muscles. Deformation in double feature muscle of face lands up within the formation of cheek dimples. It looks as a cavity on cheeks when we tend to smile or build some facial expressions. Cheek dimples are formed due to twisting of doubleheader muscle of face. Total a hundred subjects participated throughout this activity that they were students at Institute of bioscience and Biotechnology Bahauddin Zakariya University, Multan, Pakistan. Initial of all we've a bent to tend to took permission from subjects calculate their urine glucose level through excretion take a look at. Then we've a bent to create a try of lists, one list containing urine glucose levels of these persons who have cheek dimples and so the selection list containing urine glucose levels of those persons who don't have cheek dimples. There was no significant association between urine glucose level and cheek dimples, hence results are insignificant.

KEYWORDS

Urine glucose level, Glucose in urine and Cheek dimples.

Author for Correspondence:

Hafiz Muhammad Noman Ajmal,
Institute of Molecular Biology and Biotechnology,
Bahauddin Zakariya University,
Multan, Pakistan.

Email: junaidajmal784@gmail.com

INTRODUCTON

Glucose urine test could be a fast strait way to check if glucose in urine is high or low. Glucose is a sugar that our body needs to extract energy from it. Our body changes the carbohydrates into glucose so that we get energy through it. If you have a large amount of glucose level in urine than it is a sign of disease. Serious complications may take place if you do not receive a treatment for it. To check

glucose level in urine we perform urine test. It can be checked through an instrument called gage and check our live glucose level. It can also be check through colored strips. Doctor should gave a treatment and urine test if have moderately large amount of glucose in urine. Diabetes can also be occurring during this condition because our body glucose level is so high. It is necessary to regularly check out the glucose level in the body to avoid complications. Diabetes test is also performed if you got its signs. Urine tests were formerly the most perfect method of testing glucose level of the body. Medicines may have effect on your blood glucose level but you are unable to stop taking medicines. So tell your doctor about the whole situation.

Basically there are two forms of dimples cheek and chin dimples. Dimples are actually deformation of skin muscles. Deformation in double feature muscle of face lands up within the formation of cheek dimples. It looks as a cavity on cheeks when we tend to smile or build some facial expressions. Cheek dimples are formed due to twisting of doubleheader muscle of face. Cheek dimples appear on our face when we tend to smile and build some facial features. Dimples are very engaging and charming but in line with scientists them kind due to deformation of muscles. Dimples may show up associated vanish over an encompassing quantity. Dimples might be junction rectifier to by varieties at intervals the structure of the skeletal muscle observed as zygomaticus major. Specifically, the gap of a twofold or divided zygomaticus very important muscle may clarify the arrangement of cheek dimples. This divided kind of the muscle starts as a solitary structure from the bone. Dimple becomes visible as a hollow region on our cheek when we tend to smile. Dimples are transferred from people to offspring as a result of it's a genetic attribute. If everyone have dominant dimple genes than there would be one thousandth likelihood of obtaining dimples in their kids. Persons with homozygous dominant genes have dimples on either aspect of their cheek and with heterozygous genes have dimple on one side of their cheek. In line with some individual dimple is associate irregular dominant attributed and it's controlled by another genes. In new born babies dimples appear due to the presence of body fats but dimples disappear once

body fats becomes mature as a results of they're not genetic. It's unimaginable to induce eliminate dimples permanently but we'll reduce their size by utterly totally different ways.

Our purpose of present study was to verify the association of urine glucose level with cheek dimples.

MATERIAL AND METHODS

Project Designing

Total a hundred subjects participated throughout this activity that they were students at Institute of bioscience and Biotechnology Bahauddin Zakariya University, Multan, Pakistan. Initial of all we've a bent to tend to took permission from subjects calculate their urine glucose level through excretion take a look at. Then we've a bent to tend to gave them a plastic sterilized instrumentality and asked them to want their stuff sample at intervals the instrumentation. We tend to take their stuff sample then we've a bent to lord twitching excretion testing strip at intervals the instrumentality containing excretion sample for few seconds. We tend to tend to attend specifically fifteen seconds, and match the check end of the strip to the chemical compound chart on the instrumentation. we've a bent to tend to took strip from instrumentality and sit up for a second then match the given color of strip with colors written on the box and verify either it's negative or positive. Then we've a bent to tend to asked them whether or not or not or not they have cheek dimples or not and build a try of lists. Then we've a bent to create a try of lists, one list containing urine glucose levels of these persons who have cheek dimples and so the selection list containing urine glucose levels of those persons who don't have cheek dimples.

Statistical Analysis

To analyze results we simply calculate the percentage of data.

RESULTS AND DISCUSSION

Table one state that the share of negative urine glucose level of each male and females is above than the positive ketone level in urine that have cheek dimples.

Table two state that the share of negative urine glucose level of each male and females is

additionally above the positive ketone level in urine that don't have cheek dimples.

In Table No.1, 5% males with cheek dimples have positive urine glucose level in pee level and one 95% males have negative organic compound level. Female subjects have 15% positive and 85% negative urine glucose level in piddle that has cheek dimples. Whereas in Table No.2, males with no cheek dimples have eighty nine percent negative organic compound in piddle level and eleven percent males have urine glucose level in urine. Female subjects with no cheek dimples have eighty

three and seventeen percent negative organic compound in pee.

A previous study gives us information that there was a relation between individuals and cheek dimples. O+ individual's people have most probability of obtaining cheek dimples on their face. And there was no scientific relation among blood glucose level and cheek dimples as results of p value is additionally a smaller quantity than .05 and results were non-significant place on reportable in previous studies.

Table No.1: Association urine glucose level (Percentage) with Cheek dimples

Having Cheek Dimples			
S.No	Gender	Positive Glucose level	Negative Glucose level
1	Males	5%	95%
2	Females	15%	85%

Table No.2: Association urine glucose level (Percentage) with Cheek dimples.

Not Having Cheek Dimples			
S.No	Gender	Positive ketone level	Negative ketone level
1	Males	11%	89%
2	Females	17%	83%

CONCLUSION

There was no significant association between urine glucose level and cheek dimples, hence results are insignificant.

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CONFLICT OF INTEREST

We declare that we have no conflict of interest.

BIBLIOGRAPHY

1. Kirby T, Baloa L A, Witt E K. Inventors, assignee. Systems and methods for controlling breathing rate, *RIC investments LLC*, United States patent US 7,556,038. 2009.
2. Stevens E D, Randall D J. Changes in blood pressure, heart rate and breathing rate during moderate swimming activity in rainbow trout, *Journal of Experimental Biology*, 46(2), 1967, 307-15.
3. Bernardi L, Spadacini G, Bellwon J, Hajric R, Roskamm H, Frey A W. Effect of breathing rate on oxygen saturation and exercise performance in chronic heart failure, *The Lancet*, 351(9112), 1998, 1308-11.
4. Tarassenko L, Mason C L, inventors; assignee. Combining measurements from breathing rate sensors, *Oxford University Innovation Ltd*, United States patent US 7,318,808. 2008.
5. Qadir M I, Javid A. Awareness about Crohn's Disease in biotechnology students, *GloAdv Res J Med Medical Sci*, 7(3), 2018, 062-064.
6. Qadir M I, Saleem A. Awareness about ischemic heart disease in university biotechnology students, *GloAdv Res J Med Medical Sci*, 7(3), 2018, 059-061.
7. Qadir M I, Ishfaq S. Awareness about hypertension in biology students, *Int J Mod Pharma Res*, 7(2), 2018, 08-10.

8. Qadir M I, Mehwish. Awareness about psoriasis disease, *Int J Mod Pharma Res*, 7(2), 2018, 17-18.
9. Qadir M I, Shahzad R. Awareness about obesity in postgraduate students of biotechnology, *Int J Mod Pharma Res*, 7(2), 2018, 14-16.
10. Qadir M I, Rizvi M. Awareness about thalassemia in post graduate students, *MOJ Lymphology and Phlebology*, 2(1), 2018, 14-16.
11. Qadir M I, Ghalia B A. Awareness survey about colorectal cancer in students of M. Phil Biotechnology at Bahauddin Zakariya University, Multan, Pakistan, *Nov Appro in Can Study*, 1(3), 2018, NACS.000514.2018.
12. Qadir M I, Saba G. Awareness about intestinal cancer in university student, *Nov Appro in Can Study*, 1(3), 2018, NACS.000515.2018.

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