

RELATION BETWEEN URINE NITRITE AND CONTACT LENS USED

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ABSTRACT

Objective of recent study was to represent relationship between urine nitrite and contact lens. Participant involved in this study were students of BZU, Multan, Pakistan with age of 19-22. 80 students were involved in this study. Urine nitrite caused due to bacterial infection in urinary tract. It concluded from present study that only 4 female showed positive results and 2 of them were using contact lenses. No men showed positive results and they were not using contact lenses.

KEYWORDS: Urine Nitrite, Contact Lens, UTI

Article History

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INTRODUCTION

Nitrites in urine mean presence of bacteria in urinary tract which cause infection. There are bacteria that contain some enzymes which changes nitrates into nitrites. Nitrites are usually present in various green vegetables and cabbage. Presence of bacteria in urinary tract causes UT infection. Nitrites in urine indicate that burning during urination, blood in urine, cloudy urine, and smell in urine. Urinary tract infection also caused in bladder, urethra and kidney. Urinary infection is rare during pregnancy and it can cause high blood pressure and premature delivery of infants. This infection can be treated with antibiotic these can resolve infection within 2 and 3 days. Drink large amount of water to remove bacteria from urinary tract (1).

Contact lenses have many advantages like these gives person correct vision, easy and comfortable to wear. Different contact lenses are suitable for different kind of people to use. New lenses have long life and these are preserved in different type of solutions that make them suitable for further use. These lenses can remain clean for long period and do not need every time cleanliness because these can preserved for long time. New types of lenses are easy to wear and cannot cause eye infection easily due to their better quality. Some contact lenses can be worn for up to eight days without removing because these are good for human eye health and prevent them from any infection and irritation (2).

Main purpose of this survey was relation between urine nitrite and contact lens use

MATERIAL AND METHOD

Participant involved in this study were students of BZU, Multan, Pakistan with age of 19-22.

MEASUREMENT OF URINE NITRITE

We checked the urine of students with help of nitrite test. Nitrite in urine makes urine cloudy, causes smell in urine. Some people show positive results and many people show negative results. This disease caused due to activities of bacteria.

RESULTS AND DISCUSSION

Relation between urine nitrite and contact lenses was given in table 1. 80 students were involved in this study, only 4 female show positive results and rest of the students show negative results. People with negative results were using contact lenses in majority. 50% of female were using contact lenses and 50% were not using with positive results. No men show positive results.

Table 1: Relation among Urine Nitrite and Use of Contact Lens

Urine Nitrite (Positive)	People used Contact Lenses	People do not used Contact Lenses
	Yes	No
Males	0%	100%
Females	50%	50%

Questionnaire based studies have been given important outcome in current researches (3-10). Many people using contact lenses were reported as negative or normal value.

CONCLUSIONS

It concluded from present study that only 4 female showed positive results and 2 of them were using contact lenses. No men showed positive results and they were not using contact lens.

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*, N1 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.*

