OPEN ACCESS
Saudi Journal of Biomedical Research
Abbreviated Key Title: Saudi J Biomed Res
ISSN 2518-3214 (Print) |ISSN 2518-3222 (Online)
Scholars Middle East Publishers, Dubai, United Arab Emirates
Journal homepage: http://scholarsmepub.com/sjbr/

Original Research Article

Is There any Relation of Specific Gravity of Urine with Headache in Tension?

Muhammad Imran Qadir, Afshan Saleem*
Institute of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan Pakistan

***Corresponding author:** Afshan Saleem
| **Received:** 10.05.2019 | **Accepted:** 18.05.2019 | **Published:** 30.05.2019
DOI:10.21276/sjbr.2019.4.5.6

Abstract

Various tension headaches are produce by emotional stress, fatigue, or problems connecting the joints or muscles of the jaw or neck. 1.002 And 1.030 is the ideal specific gravity of urine. Specific gravity outcome over 1.010 can show little dehydration. The upper the quantity, the further dehydrated you possibly will be. The urine indicative reagent band test use for the specific gravity of urine. In this study we concluded that specific gravity of urine is not related to the headache in tension. Because $p \geq 0.1$ this is not a significant result.

Keywords: Headache, Specific gravity, Tension, Urine test.

INTRODUCTION

The typical tension headaches produce a squeezing pain of the head. People with tough tension headaches can feel as their head is into a vase [1]. The neck and shoulders can also pain. Various tension headaches are produce by emotional stress, fatigue, or problems connecting the joints or muscles of the jaw or neck. The most common cause are: having a stress, drinking too much alcohol, cold, eyesight problems, taking a lot of painkillers, bad posture, not drinking sufficient fluids, not eating normal food.

1.002 And 1.030 is the ideal specific gravity of urine. If your kidneys are operate normally. Specific gravity outcome over 1.010 can show little dehydration. The upper the quantity, the further dehydrated you possibly will be [2]. Urine specific gravity analyses match up to the density of urine toward the density of water. This fast test can help verify how fine your kidneys are reducing your urine [3]. Urine is too rigorous can mean to your kidneys are not working correctly or that you are not intake sufficient water. urinary tract infection, heart failure shock, dehydration, kidney infection, elevated sodium levels, over hydration, diabetes, hyponatremia, kidney failure, or low sodium intensity hypernatremia are those disorder which occur when gravity of urine is high.

MATERIALS AND METHODS

The pee characteristic reagent band test use for the particular gravity of pee. 100 example of male and female pee gather and apply the reagent band test. Wet the band in the pee. Just 30 second gets off the band and disposes of the example. Dry it and contrast it and the specific sum. Note the particular gravity of pee on the paper. Make a similar system on all examples. Note all qualities on paper for make result.

RESULTS AND DISCUSSION

Table-1: Relationship of specific gravity of urine with headache in tension (mean±SD)

Gender	Headache In Tension	No Headache In Tension	P Value
Male	0.969789 ±0.231353	1.025 ±0.007071	0.745155
Female	0.976894 ±0.201616	1.023654 ±0.006817	0.408091
Both	0.975306 ±0.207203	1.023833 ±0.006605	0.368635

In Table-1, shows the specific gravity of urine with relation of headache in tension. Female with 0.976894 ±0.201616 have headache in tension while 1.023654 ±0.006817 have no headache in tension. The p value of female was 0.408091. The female result is also not significant because $p \geq 0.1$. On the other hand 0.969789 ±0.231353 of male have a headache in tension while1.025 ±0.007071 male have no tension in

tension. The p value of male was 0.745155. It means that our result is not significant because $p \geq 0.1$. In both the male and female with headache in tension or without headache in tension have mean is 0.975306 and standard deviation is 0.207203 but the p value 0.368635, this is not significant because $p \geq 0.1$.

There is no relationship between the urine pH with headache in tension.

CONCLUSION

In this study we concluded that specific gravity of urine is not related to the headache in tension. Because $p \geq 0.1$ this is not a significant result.

REFERENCE

1. Egger, H. L., Angold, A., & Costello, E. J. (1998). Headaches and psychopathology in children and adolescents. *Journal of the American Academy of Child & Adolescent Psychiatry*, *37*(9), 951-958.
2. Bailiff, N. L., Westropp, J. L., Nelson, R. W., Sykes, J. E., Owens, S. D., & Kass, P. H. (2008). Evaluation of urine specific gravity and urine sediment as risk factors for urinary tract infections in cats. *Veterinary clinical pathology*, *37*(3), 317-322.
3. Burkhardt, A. E., Johnston, K. G., Waszak, C. E., Jackson, C. E., & Shafer, S. R. (1982). A reagent strip for measuring the specific gravity of urine. *Clinical chemistry*, *28*(10), 2068-2072.