

## IS THERE ANY CORRELATION BETWEEN SPECIFIC GRAVITY OF URINE & BEING MOSQUITO MAGNET OR NOT?

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### ABSTRACT

Research has exhibited that the sorts and proportion of microorganisms on one's skin can expect an occupation in brining on the mosquitoes too. Our dermal bundling is typically flooding with little life, and everything makes an indisputable fragrance. In one examination, a social occasion of men were parceled into the people who were exceptionally engaging mosquitoes and the people who were definitely not. Urine specific gravity is measured by comparing the urine density with the water density. It indicates how efficiently your kidneys are working. If the urine is concentrated than it shows that your kidneys are not working properly or you are not drinking the sufficient amount of water. Relation of mosquito magnets and non-mosquito magnets with specific gravity of urine is given in table showed that the value for males that were more bitten by mosquitoes was (11.36%) whereas for males that weren't bitten by mosquito much was (89.64%)

**Keywords;** urine density, gravity, mosquitoes

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## INTRODUCTION

### DO MOSQUITOES BITE YOU MORE?

Research has exhibited that the sorts and proportion of microorganisms on one's skin can expect an occupation in brining on the mosquitoes too. Our dermal bundling is typically flooding with little life, and everything makes an indisputable fragrance. In one examination, a social occasion of men were parceled into the people who were exceptionally engaging mosquitoes and the people who were definitely not. (Charlwood, Smith et al. 1995) The delicious ones had a more noteworthy measure of explicit microorganisms on their skin than the terrible ones, anyway less sorts – a greater system yet less varying. The infinitesimal creatures factor could in like manner illuminate why a couple of mosquitoes are pulled in to bring down legs and feet, an especially prepared wellspring of microorganisms.

### Specific gravity of urine

Urine specific gravity is measured by comparing the urine density with the water density. It indicates how efficiently your kidneys are working. If the urine is concentrated than it shows that your kidneys are not working properly or you are not drinking the sufficient amount of water. The purpose of our kidney is to excrete the metabolic waste from the body with the minimal loss of the water and nutrients. The concentration of the waste in the urine indicates the specific gravity of the urine. (Charlwood, Smith et al. 1995) In

adult humans urine normal gravity values range from 1.010-1.030. Increased specific gravity may be due to dehydration, diarrhea, emesis, excessive sweating, urinary tract/bladder infection, glucosuria, renal artery stenosis, hepatorenal syndrome, decreased blood flow to the kidney and excess of antidiuretic hormone caused by Syndrome of inappropriate antidiuretic hormone. The urine specific gravity may be measured by using refractometer, urinometer or dipsticks.

### Project Design:

I measured specific gravity of urine of 100 students from Institute of Molecular Biology & Biotechnology, Bahauddin Zakariya University, Multan, Pakistan and asked a question from them do mosquitoes bite them more or not?

### Statistical Analysis

M- Stat software is used to analyze the results. Student's t-test was performed. -ve value was considered as significant.

### Results and discussions:

Relation of mosquito magnets and non-mosquito magnets with specific gravity of urine is given in table showed that the value for males that were more bitten by mosquitoes was (11.36%) whereas for males that weren't bitten by mosquito much was (89.64%)

Normal values for females that were bitten by mosquitoes was (65.66%) while those females that weren't bitten by mosquitoes much have the values of (35.33%).

vectors (Diptera: Culicidae) in Tanzania." Bulletin of Entomological Research **85**(1): 29-35.

## REFERENCES

Charlwood, J., et al. (1995). "Density independent feeding success of malaria

