



Mini Review

Volume 15 Issue 5 - July 2019  
DOI: 10.19080/JGWH.2019.15.555921

J Gynecol Women's Health

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# Is There any Correlation between Urine Ketones and Being Mosquito Magnet or Not ?



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**Submission:** July 05, 2019 ; **Published:** July 10, 2019

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## Abstract

Urine ketones, that how it links with the values of those people, who are mosquito magnets and those who are not mosquito magnets. Total 150 subjects took part to complete this study. High ketone levels in pee may demonstrate diabetic ketoacidosis (DKA), a difficulty of diabetes that can prompt a state of extreme lethargy or even demise. That is compared to the values that people who are mosquito magnets and those who are not mosquito magnets. We measure the blood in urine simply by taking the urine in a bottle and then dip the stripe in it for 2 seconds and note the value according to color. Student t test was also performed and it gave the result that mosquito magnetics have no significant relation with urine ketones.

**Keywords:** Ketone Level; Dipsticks; Mosquito

## Introduction

The scientists likewise saw how smells impact the conduct of the mosquito species, *Aedes aegypti*, in charge of transmitting the Zika Virus and Dengue Fever. What they found is that skin microorganisms that delivered lactic corrosive joined with carbon dioxide when we breathe out, makes a mix that draws in female mosquitos. Things being what they are, you might think about whether there would anything say anything is we can do to make ourselves smell less alluring to these troublesome bugs? Sadly, no. The sorts microorganisms on our skin emerge from hereditary qualities-which we can't change. There truly is nothing you can eat or drinking that will prevent you from being nibbled by a mosquito [1].

## What is a Ketones in Urine Test

The test estimates ketone levels in your pee. Ordinarily, your body consumes glucose (sugar) for vitality. On the off chance that your cells don't get enough glucose, your body consumes fat for vitality. This delivers a substance called ketones, which can appear in your blood and pee. High ketone levels in pee may demonstrate diabetic ketoacidosis (DKA), a difficulty of diabetes that can prompt a state of extreme lethargy or even demise [2]. A ketones in pee test can provoke you to get treatment before a medicinal crisis happens.

**Different names:** ketones pee test, ketone test, pee ketones, ketone bodies

## What is it Utilized For?

The test is frequently used to help screen individuals at a higher danger of creating ketones. These incorporate individuals with sort 1 or sort 2 diabetes. On the off chance that you have diabetes, ketones in pee can imply that you are not getting enough insulin. On the off chance that you don't have diabetes, you may at present be in danger for creating ketones on the off chance that you:

- Experience constant heaving and additionally looseness of the bowels
- Have a stomach related confusion.
- Participate in strenuous exercise
- Are on a low-starch diet
- Have a dietary problem
- Are pregnant

## Material and Methods

### Measurement of Blood in Urine

Ketones in urine can be measured through strips. Firstly we took strips and then dip them into samples for a few seconds then note the values according to the color of the sample of different individuals.

## Project Design

I measured blood in 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

Gender	Do mosquitoes bite you more? Yes		Do mosquitoes bite you more ? NO	
	Ketones Positive	Ketones Negative	Ketones Positive	Ketones Negative
Male	25.45%	74.45%	85.36%	14.64%
Female	25.80%	74.19%	84.47%	15.52%

## References

1. Enserink M (2008) A mosquito goes global. American Association for the Advancement of Science 320(5878): 864-866.
2. Wilson LA (2005) "Urinalysis" Nursing Standard 19(35).



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DOI: [10.19080/JGWH.2019.15.555921](https://doi.org/10.19080/JGWH.2019.15.555921)

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