

## Interconnection of Urine Protein with Nail Growth

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### ABSTRACT

The aim of current study was to interconnect urine protein level and nail growth. A super molecule in urine takes a look at measures what amount protein is in your urine. Proteins are substances that are essential for your body to work properly. Macromolecule is usually found among the blood. Nails are a major a component of body. These are found on the tip of fingers and toes. Nails are one amongst the two tissues that don't degrade once death of the individual, the selection being hair. These comprise serious, keratinized squalors cells that are loosely connected to the underlying tissue. The analysis was done in Bahauddin Zakariya University, Multan, Pakistan. Total of 1 hundred students participated throughout this analysis. We've associate degree inclination to check their urine protein level in excreta by activity urine take a look at. We've associate inclination to create associate surpass sheet and write their urine protein level in excreta before their name then asked them touching on nail growth pattern and any write nail growth days with pigment level in urine. The analysis was performed to interconnect the nail growth with urine protein level in excreta. Negative urine protein has high percentage as compared to positive urine protein and can be interconnected with urine protein.

**Keywords:** Urine test, protein analysis in urine, nails.

### INTRODUCTION

A super molecule in urine takes a look at measures what amount protein is in your urine. Proteins are substances that are essential for your body to work properly. Macromolecule is usually found among the blood. If there's an issue along with your kidneys, macromolecule can leak into your urine. Whereas a little low amount is ancient, associate degree outsized amount of protein in urine may indicate nephropathy. A macromolecule in urine check is often an element of a analysis, a ensure measures entirely totally different cells, chemicals, and substances in your urine. Analysis is often enclosed as an element of a routine take a look at. This check could to boot be used to look for or to look at nephropathy. If associate degree outsized amount of super molecule is found in your urine sample, it doesn't primarily mean that you simply just have a medical downside needing treatment. Strenuous exercise, diet, stress, pregnancy, and various factors can cause a quick rise in urine super molecule levels. If you'll be doing all of your urine check reception, raise your health care provider for recommendations thereon check kit would be best for you. At-home urine tests are straightforward to undertake to and provide correct results as long as you strictly follow all directions.

Nails are a major a component of body. These are found on the tip of fingers and toes. Nails are one amongst the two tissues that don't degrade once death of the individual, the selection being hair. These comprise serious, keratinized squalors cells that are loosely connected to the underlying tissue. Nails comprise several components like proximal nail fold, distal end, Lateral nail fold, cuticle, Lunular, hyponychial, and matrix. Nails formation sometimes begins in ninth embryonic week and at sixteenth embryonic week; there are identifiable nails at the proximal finish. Nail plate is formed at its proximal finish. Nails are necessary among the identification of the assorted sicknesses as a result of characteristic sign of a unhealthiness is commonly seen over the nail plate. Signs related to the nail plate are typically divided into two varieties supported the modification in its anatomy or the color. Pale modify the nail describes anemia whereas chromatic discoloration might even be a characteristic of symptom. Spoon shaped nails that are referred to as Koilonychias are seen in iron deficiency anemia. If there's loss

of angle between nail and nail bed, it's referred to as symptom. It's typically discovered by inserting a paper over the nail and look for any gap between the paper and additionally the proximal end of nail plate. There's no house at the proximal nail plate and paper, if symptom is there. Symptom is seen in many diseases like metabolism diseases, vas diseases and channel diseases. Blood accumulation at a lower place the nail plate that else's referred to as splinter hemorrhages is typically seen in infectious cordites. Leukonychia are the white spots at a lower place nails that describes hypoalbuminemia. Indentation of nails happens in malady of the skin. Therefore we have a tendency to tend to are able to diagnose form of diseases by merely perceptive nails.

The aim of current study was to interconnect urine protein level and nail growth.

## **MATERIAL AND METHOD**

### *Project designing*

The analysis was done in Bahauddin Zakariya University, Multan, Pakistan. Total of 1 hundred students participated throughout this analysis. We've associate degree inclination to check their urine protein level in excreta by activity urine take a look at. We tend to tend to tend to associate inclination to lift them to want their waste sample throughout a sterilized plastic instrumentality then checked their blood level with the assistance of piss testing strip. We've associate inclination to want out strip from box and dip in piddle and let it set for two or three seconds then matched the corresponding color with the color list given on the box. We've associate inclination to create associate surpass sheet and write their urine protein level in excreta before their name then asked them touching on nail growth pattern and any write nail growth days with pigment level in urine. The analysis was performed to interconnect the nail growth with urine protein level in excreta.

### *Statistical Analysis*

Statistical evaluation used to be finished through calculating the percentage of urine glucose data.

## **RESULTS**

**Table 1: Interconnection of urine protein in nail growth in males**

<b>Nail growth days (males)</b>	<b>Negative urine protein</b>	<b>Positive urine protein</b>
<b>1-5 days</b>	94%	6%
<b>6-10days</b>	95%	5%
<b>11-15days</b>	99%	1%
<b>16-20days</b>	99%	1%

Table no 1 indicates the interconnection between urine protein with nail growth, males with gradual nail growth has greater percentage in negative urine protein, it means there is no glucose present in their urine.

**Table 2:** Interconnection of urine protein with nail growth in females

<b>Nail growth days (males)</b>	<b>Negative urine glucose</b>	<b>Positive urine glucose</b>
<b>1-5 days</b>	99%	1%
<b>6-10days</b>	97%	3%
<b>11-15days</b>	98%	2%
<b>16-20days</b>	96%	4%

Table No 2 demonstrates the nail development days' information and protein concentration in urine. Females with moderate nail development show high percentage in negative protein amount in their urine and females with quick nail development show less percentage of positive urine protein in their urine.

## **DISCUSSION**

Tables show that people with slow nail development have high percentage in negative protein amount in their urine, people with fast nail growth show some percentage in positive protein concentration, but there is small difference between slow and fast nail growth percentages which shows that there is no interconnection between urine protein and nail development, negative urine glucose can be interconnected with nail development because it has high percentage as compared to positive nail growth.

In recent studies, nail development had been interconnected with blood group and it demonstrate the role of blood group in nail development but interconnection of urine protein with nail growth is a new work we did not find any past work on this topic.

## **CONCLUSION**

Negative urine protein has high percentage as compared to positive urine protein and can be interconnected with urine protein.

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