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HOW TO RELATE ALLERGY WHICH IS CAUSED BY THE DUST WITH UROBILINOGEN IN THE URINE?

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ABSTRACT

Objective of the present study was to relate the allergy which is caused by the dust with urobilinogen. . 80 students were present during this project and they all took part in this project. Urinalysis was done to find urobilinogen in the urine. We took the sample of every person and checked the presence of urobilinogen. The color changed and we obtained the results. The result shows that females are more urobilinogen in their urine than the males.

Keywords: Urobilinogen, allergen, asthma, urinalysis

INTRODUCTION

When the reduction of bilirubin occurs the urobilinogen is formed. Large amount of urobilirubin in the urine can cause the diseases like hepatitis and cirrhosis[1]. Normal urine contains little amount of the urobilinogen. No urobilinogen indicates the improper working of the liver. It is the part of the urinalysis because it measures the different cells, chemicals and other substances which are present in the urine[2]. The symptoms of it includes itchy eyes, pain and swelling in the abdomen, jaundice and vomiting. No urobilinogen indicates the blockage in the liver structure, blockage in the blood flow and problematic liver function. On the other hand, high amount of urobilinogen indicates the damage of liver[3].

Dust allergy mostly caused by the dust and the dust have dust mites. These dust mites are the small creatures which can cause allergy and up to 85% asthma[4]. Allergy is linked with dust mites and its associated fungal and bacterial products. House dust mites are also associated with the cockroach allergy in atopic patients[5]. Dust mites excrete some type of allergen and serum IgE works against this allergen. House dust mites are also linked with the asthma, allergic rhinitis and dermatitis. Immunotherapy is the treatment of the dust allergy which is a short- term treatment[6].

Objective of the present study was to relate the allergy which is caused by the dust with urobilinogen.

MATERIALS AND MATHOD

Urinalysis was done to find urobilinogen in the urine. We took the sample of every person and checked the presence of urobilinogen[7-8]. The strip color changed.

Question was related to the urobilinogen according to the dust allergy. 80 students were present during this project and they all took part in this project.

RESULTS AND DISCUSSION

Results of urobilinogen according to the dust allergy are given in the table. A very different and important result has come. In this both males and females participated. According to this study, some people were affected with dust allergy and some were not affected. The percentage of males and the females which were affected with the dust allergy and also have positive results of urobilinogen in the urine is 56.25% and 34.375% respectively while on the other hand the percentage of that which were not affected with the dust allergy and have urobilinogen in the urine is 6.25% of males and 46.26% of females.

Table#1: Urobilinogen in the urine relates with the dust allergy.

Gender	Dust allergy with positive result	No dost allergy with positive result
MALES	56.25%	6.25%
FEMALES	34.375%	46.26%

High levels of urobilinogen in urine may be a sign that:

1.Your liver is making too much bilirubin because your body breaks down red blood cells faster than it can make them. This condition is called hemolytic anemia

2.Your liver can't recycle urobilinogen into bile because of liver disease[9-10].

No urobilinogen indicates the blockage in the liver structure, blockage in the blood flow and problematic liver function

CONCLUSION

The result showed that females have more urobilinogen in their urine than the males

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