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TO EVALUATE THE LINK BETWEEN PROTEINS IN URINE AND PERFUME ALLERGY

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ABSTRACT

Present study creates the relation between proteins in urine and perfume allergy. Proteinuria is a condition in which abnormal value of protein is present in urine. Kidney absorbs all proteins from blood but when kidney filters are damaged then it allows proteins to pass through it and release through urine. Symptoms of proteinuria are high fever, dehydration and severe kidney problems. Blood test and urine test are used to check the protein level in urine. Perfumes and ornaments are not strong allergic agents they only cause irritation but in severe case it causes sneezing and breathing problem. Irritants don't influence the immune system and it doesn't cause IgE-mediated reactions. 14% males have proteinuria and show perfume allergy and 15% females have perfume allergy which have proteinuria.

Keywords : *proteins*, fragrance allergy, urine and kidney problem.

INTRODUCTION

Proteinuria is a condition in which abnormal value of protein is present in urine. Kidney absorbs all proteins from blood but when kidney filters are damaged then it allows proteins to pass through it and release through urine. The main risk factor of proteinuria is diabetes and blood pressure. Causes of protein in urine are hypertension, inflammation in kidney, excess use of drugs and heavy metals. Symptoms of proteinuria are high fever, dehydration and severe kidney problems. Blood test and urine test are used to check the protein level in urine.

Asthma patients are more influenced with ornaments as compared to others. They show high symptoms when exposed to chemicals. Every product having sharp smell when comes in contact with patient it creates irritating situation then these people have to use ornament free products like lotions, soaps, fabric softeners and other skin products. Irritants don't influence the immune system and it doesn't cause IgE-mediated reactions. Irritants only cause sensitivity it doesn't cause any allergy so, watery eyes and runny nose due to sensitivity is normal. Perfumes and ornaments are not strong allergic agents they only cause irritation but in severe case it causes sneezing and breathing problem. Some specific chemicals present in perfumes can cause allergy. The most common one is contact allergic dermatitis

MATERIAL AND METHODS

Total contributors of this are 100. All are affiliated to Bahauddin Zakariya University, Multan, Pakistan.

Urine protein

We can pass test strip during urination or dip in the clear sample of urine. This test indicates the presence of proteins in our urine by different colors. This test strip method is easy and cheap.

To measure the level of protein in urine we take fresh urine and follow the tips written on kit and match the result with the color block present on a kit.

Project

Recent extrapolate indicates the bond between perfume allergy and protein in urine.

RESULT AND DISSCUSSION

Total 14% males have urine protein and show perfume allergy. 67% males have no urine protein but show perfume allergy. 5% males have urine protein but don't show perfume allergy. 14% males have no urine protein and also don't show perfume allergy. 15% females have urine protein and show perfume allergy. 45% females have no urine protein but show perfume allergy. 12.5% females have urine protein but they don't show perfume allergy. 27.5% females have no urine protein and don't shows perfume allergy as well.

Questionnaire based studies is very important as it helps to generate reliable results. It allows the participation of people from different areas and ethnicity thus, providing more reliable results.

Table 1 indicates the bond between perfume allergy and protein in urine.

Gender	Perfume Allergy		Don't have perfume allergy	
	Protein in urine	No Protein in urine	Protein in urine	No Protein in urine
Male	14%	67%	5%	14%
Female	15%	45%	12.5%	27.5%

Conclusion

14% males have proteinuria and show perfume allergy and 15% females have perfume allergy which have proteinuria. This study thus concludes that perfume allergic people can have normal levels of protein in urine.

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