

How Blood Grouping Influences the Height Phobia

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2. Keywords

Height phobia; Blood grouping; Rh factor

1. Abstract

Aspiration of the present study was to associate the blood grouping with height phobia. 162 students were participated from BahauddinZakariya University, Multan, Pakistan and they were from 18 to 22 years old. We entered into the laboratory and identified our blood groups with assistance of needle, clean slides, antigens and match box sticks. A questionnaire was arranged about height phobia and it was asked? It was inferred from the current study that height phobia is maximum in persons having O+ blood group and minimum in those having A- and AB-blood groups.

3. Introduction

The most commonly used blood group systems are ABO system and Rhesus type system. On the basis of these two systems, blood is classified into eight types. Over 100 years, ABO blood group system was discovered. It was a great achievement[3-5]. It is a consequent human blood group system. Two antigens are involved in it, these are antigen A and antigen B and present on the red blood cells surface. It is the most significant blood group system out of 36 during the blood transfusion process. If we want to know which type of blood we have, blood typing test is performed. Blood is typically divided into the different blood groups which is based on the presence or absence of certain substances these are antigens and antibodies [6-8].

Rhesus System is also typically used blood group system. Forty-nine antigens are involved in this system. The most consequential antigens are D, C, c, E and e. It is grouped according to the existence of Rh factor. We are known as RhD positive, if we possess the RhD antigen. But if we don't, we are said to be Rh negative and we do not have antibodies against antigens. RhD antigen can be or not present on RBC's surface. It is recognized with Rh test[1].

A fear from height is called height phobia or acrophobia. It is a condition in which someone feels fear from height when he is not present at particular heights. Even he can feel fear when he is standing on a chair. People suffering from acrophobia can get panic when they simply look from a steep slope and they cannot

trust on their senses. When the height increases, normal people start losing the balance. It is actually the fear of falling. Psycho-therapy, cognitive behavioral therapies are the treatments. Behavioral techniques are usually used [2].

The main purpose of the present study was to associate blood grouping with height phobia [9,10].

4. Materials and Methods

162 students took part in this study from BahauddinZakariya University, Multan, Pakistan and their age ranges from 18 to 22. Blood groups of the students were recognized and associated with the height phobia.

4.1. Blood Grouping

We went into the laboratory. We took the needles and prick the index finger and blood was taken. A clean slide was taken and three drops of blood were placed on it at slight distances. After that, we added a drop of antigen A on 1st blood drop, a drop of antigen B on 2nd blood drop and a drop of antigen D on 3rd blood drop. Then we took a match box stick and with the opposite side of that stick we mixed the blood and antigen drops separately. If Blood drop clot in which antigen D was added, blood group was positive and if blood drop clot in which antigen B was added, blood group was negative. Nothing happened with other blood drops. After that we came to know that blood group is O+, blood with antigen A clot then blood will be A, blood with antigen B clot then blood will be B and blood with antigen A and antigen

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B remains same then blood will be AB+.

4.2. Project

A questionnaire was arranged about height phobia. Each student was given a different question like do you have teeth gap? Do you like mangoes? How many hours do you use mobile phone? What is the size of your foot? And etc. Other student’s blood group was inspected and they were asked?

4.3. Statistical Analysis

MS excel was used for the statistical analysis.

5. Results and Discussion

How blood grouping influences the height phobia is given in (Table 1). Total subjects were 162 out of which 39 were males and 123 were females. O+ males and females have maximum height phobia. A-, AB- males and females and O- males have no fear from height.

Questionnaire based studies have been given significant outcomes in current researches. I was the first who researched on this project. No other research was found.

Table 1: How blood grouping influences the height phobia

Blood Groups	Yes(Height Phobia)		No(Height Phobia)	
	Males	Females	Males	Females
A+	2.46%	7.40%	3.08%	4.32%
A-	0.61%	0.61%	0%	0%
B+	3.70%	20.98%	0.61%	8.64%
B-	0.61%	0.61%	0.61%	0.61%
AB+	0.61%	3.08%	1.23%	1.85%
AB-	0%	0.61%	0%	0%
O+	6.79%	14.81%	3.08%	6.79%
O-	0%	4.93%	0%	1.23%

6. Conclusion

It was inferred from the current study that height phobia is maximum in persons having O+ blood group and minimum in those having A- and AB- blood groups.

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