

RESEARCH ARTICLE

Affiliation of blood grouping with fear of rides**Muhammad Imran Qadir¹, Alishba Rasheed***¹*Institute of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan, Pakistan***Received on: 01/09/2018, Revised on: 25/09/2018, Accepted on: 30/10/2018****ABSTRACT**

The objective of the current study is to correlate blood grouping with fear of rides (Dragon Boat). A survey was done. Blood groups of the subjects were recognized first. Blood groups A, B, O is due to the presence or absence of certain antigens on the erythrocytes. On the other hand Rh+ is due to the presence of antigen D and its absence causes Rh- blood group.

Keywords: Blood groups, Coaster phobia.**INTRODUCTION**

ABO blood group was proposed by Landsteiner in 1931. These are due to inherited properties of erythrocytes. Blood group A, B, O are due to the presence of certain types of specialized antigens on erythrocytes. ABO blood group incompatibility may cause erythroblastosis fetalis. Presence of the antigens A and B causes blood group A and B their absence causes blood group O. In human blood transfusions ABO blood group plays an important role. Mismatch blood transfusion may prove fatal.

Rh blood group is the second most important blood group of 31 known blood groups still known. They may be Rh+ve or Rh-ve. Rh+ve is due to the presence of D antigen while its absence causes Rh-ve blood group. It was first observed by Landsteiner in rhesus monkey but in humans Rh factor is much different from the rhesus monkeys Rh factor. D-antigen is present on the cell membrane of erythrocytes. Its incompatibility may cause erythroblastosis fetalis. Five major antigens are known i.e A, a, e, E and D.

Ride phobia is a slang term often used in describing an individual's fear of rides. These phobias related to other phobias also. As some people are afraid of height, speed, close rooms etc. on dragon boat some people may feel nauseated, afraid and unsafe. This phobia is related to phobias like aerophobia and vertigo. Coaster phobia is an anxiety condition. Its main symptom is panic attack which includes rapid breathing, irregular heartbeat, nausea and a sense of dread.

Objective of the present study is to co-relate blood grouping with the fear of rides (dragon boat).

MATERIALS AND METHODS

A total of 160 subjects participated in this project who is the students of BZU between the ages 18 to 22.

Blood Grouping

I went to the lab for blood grouping. I took the blood of 160 subjects and then performed experiment in order to find the blood group of the subjects. For this purpose I put few drops of blood on the slide on two opposite ends of the slide and then I put some drops of antibody A on blood on one end and antibody B on the other. Whichever antibody causes lysis of blood indicated the blood group. For finding whether blood group is Rh- or Rh+ I took some drops of antigen D and drop them on the blood present on slide and its lysis gave Rh+ result and vice versa.

Project

A questioner was prepared which contained question like whether they are afraid of rides or not. It was distributed among the subjects which gave the answers. I compiled the results on the basis of the various blood groups like A+, A-, B+, B-, AB+, AB-, O+ and O-.

Statistical Analysis

Statistical analysis was performed while using MS Word.

RESULTS AND DISCUSSION

Influence of blood grouping on fear of rides is given in Table 1

Table 1:

A total of 160 subjects were taken out of which 122 were girls and 38 were boys.39.47% boys and 44.26% girls were afraid of dragon boat while 60.52% boys and 55.73% girls were not afraid of dragon boat.11% boys and 22.05% girls of blood group A+ were afraid of rides while 89% boys and 78.94% girls were not.100% boys and 0% girls of blood group A- were afraid of dragon boat.75% boys and 54.16% girls of blood group B+ were afraid of rides.0% boys and 50% girls of B- were afraid of rides.0% boys and 50% girls of blood group AB+ were afraid of rides.100% girls of blood group AB- were unafraid of rides.46.66% boys and 42.85% girls of blood group O+ and 60% girls of O- were afraid of dragon boat.

Blood Groups	Yes		No	
	Male	Female	Male	Female
A+	11%	22.05%	89%	78.94%
A-	100%	0%	100%	0%
B+	75%	54.16%	25%	45.83%
B-	0%	50%	100%	50%
AB+	0%	100%	50%	50%
AB-	0.00	0%	0.00	100%
O+	46.66%	42.85%	53.33%	57.14%
O-	0.00	60%	0.00	40%

Questioner based studies have been given important outcomes in current researches. Research on affiliation of blood grouping with fear of rides has never been done yet. This research has given many important results. Usually people are not afraid of dragon boat. Among boys and girls are less afraid of dragon boat as compared to boys.

CONCLUSION

From the recent study it was concluded that fear of rides is highest among the objects with blood group A- and AB+ and lowest among the blood groups B- and AB-.

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