

ASSOCIATION OF DIFFERENT BLOOD GROUPS WITH LIKENESS OF MOVIES AMONG PEOPLE

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ABSTRACT

ABO blood group system is the most common type of blood group system which classifies human blood into four phenotypes namely A, B, AB and O. This system is based on the classification of blood due to presence or absence of antigens A and B on the surface of RBCs. Another important blood group system commonly used is Rh blood group system. This system classifies blood into two types namely Rh positive and Rh negative which depends upon the presence or absence of Rh factor on the surface of RBCs. The objective of the present study was to correlate likeness of movies among people with blood groups of them. Total 177 numbers of participants took part in this study who was the students of Bahauddin Zakariya University Multan with different blood groups and ages. These entire students were asked about their consent on this questionnaire. Blood group test was performed in lab simply by taking blood samples and then pouring MAB solutions on them. By this test, I recognized blood group type. A questionnaire was prepared and the general consent of the people was taken about the topic. Statistical analysis was performed using MS world. All the results were calculated in the form of percentages and were summarized and organized in the form of table. The percentages of each blood group were calculated overall and then the particular percentages of male and female along with the characterization of their response were calculated as well. By this study, it was also acknowledged that which phenotype of blood was most common which was least common.

KEYWORDS: *Antigens, Antibodies, Rh Factor, Incompatibility*

Article History

Received: 23 Apr 2021 | Revised: 28 Apr 2021 | Accepted: 30 Apr 2021

INTRODUCTION

ABO blood group system is the most common type of blood group system used most commonly worldwide. It is based on two types of antigens present on the surface of red blood cells also known as erythrocytes in a person. These two forms of antigen are type A and B. According to this system, there are four phenotypes of blood depending upon the presence of specific antigens and their combinations on RBCs. A person may have blood group A, B, AB or O conditioning with presence of antigens on the erythrocytes. A person who has blood group A has antigen A on RBCs surface and antibodies against blood type B. If such person receives blood B in transfusion, the immune system will produce antibodies against it and the situation may turn fatal. Similarly, if a person has antigen B and antibodies against A, then the person has blood group B. Many people have both antigens A and B on their surface and lack antibodies, such people are said to possess blood group AB. Blood group O has no antigens on the surface of RBCs. Blood group AB is commonly called universal

acceptor as it can receive blood from either type. Blood group O is referred as universal donor as it can be given in transfusion to any one of any blood group. All these blood groups are further classified as positive and negative types like A positive, A negative etc. Rh blood group system is another popular type of blood group classification. It was discovered by Karl Landsteiner in 1940. It characterizes and classifies blood on the basis of Rh factor on the surface of erythrocytes. It was discovered in the blood of Rhesus monkey, that's why named as Rh blood group system. On the basis of presence or absence of Rh factor on the surface of membranes of RBCs, this system classifies blood into two types: Rh positive and Rh negative. If a person has Rh factor on the surface of erythrocytes, he is Rh positive. If he lacks this factor, he is Rh negative. Rh factor can play a tragic role for Rh negative person if he gets Rh positive blood in transfusion and can cause a great immune response in the recipient person. Rh incompatibilities affect a number of pregnancies. So, there must be a test for Rh compatibility of the couple before getting married or planning for a family.

The present study is actually an attempt to correlate blood group phenotypes of people with different attitudes and behaviors regarding trends about likeness of movies. We know that filmography is one of the most popular engine operating in our society. A number of films are released casually as well as on some particular occasion. Film industry is undoubtedly one of the most popular and most earning industry worldwide. People of every age and even contrasting backgrounds have habits of watching movies depending upon their choices and mood at particular time. Some people watch movies just for recreation to enjoy their leisure time and some may have habit to watch latest movies. There are different types of movies like action movies, comedy films, romantic movies, drama movies, horror movies, science fiction movies and so on. Different people may have different choices of movie watching. Some people love to watch movies and definitely some may hate watching them. Different types of movies are popular among different age groups and regions. The movies play both negative as well as positive roles. Looking upon the positive aspects, we can say that films do highlight various aspects of our society and unveil the darker face as well. We come to know about various evils of our environment and a desire develops in us to stop them from damaging our social fabric anymore. So, films can play a major role to raise awareness on various issues of great importance. Movies teach us to stop ignorance and cruel factors with iron hands. But definitely, there are some dark aspects as well and we cannot neglect them. As we know that each coin has two sides, so we must look upon the both sides. Movies are also building negative trends in our youth. Stunts and actions performed in action movies are often tried to copy by our youth which may lead to tragic accidents and can be fatal. Similarly, by watching such movies, our boys start to assume them as heroes and start behaving like the characters of films which seem very odd. In the same way, horror movies develop misbeliefs in minds of viewers. Romantic movies having contents of love emotions for opposite gender and romance spoil our youths both morally and spiritually. Such movies stimulate lust for physical relationship among youngsters and they fall prey to bad habits. Such persons may start physical relationships and also drug abuses. Such conditions may destroy our social and spiritual face of society. There must be a film sensor board which ensures that there is no youth oriented matter in any film. The major objective of this study is to show the trends of movies and then relate them with blood groups of the people.

MATERIALS AND METHODS

Total 177 participants took part in this study. These participants were the students of BZU Multan having different blood groups and with age groups between 18 to 22 years. These participants were asked about their opinion on the topic of whether they liked to watch movies or not. Different persons showed different opinions and consents and then, average was calculated.

Blood Grouping

An experiment was performed to check the blood group types by a simple test in lab. I took an alcohol swab to clean the area from where blood was to be extracted for test. Then, I took a lancet and removed its cap or cover and with the help of this lancet, I withdrew blood from the fingertip by simply pricking and took three drops of blood on a clean slide. I used a cotton ball on the area from where blood was taken to stop bleeding. After that, I took anti-A (blue) bottle and with the help of a dropper, poured a drop of that MAB on the first depression or drop of blood on the slide and placed the anti-A bottle back in ice chamber. Then, I took anti-B (yellow) bottle and made a drop of it poured on the second drop of blood. I placed this bottle back in its chamber. After that, I took anti-D (colorless) bottle and using a dropper, I poured a drop of it on the third spot of blood and placed this MAB bottle back in its chamber. I took tooth picks and mixed each drop of blood with the chemical poured on them carefully so that these drops could not intermix with each other because it could waste the whole practice and we had to repeat all these steps again. After mixing, I discarded tooth picks and waited for some time to observe the changes. Then, by careful and attentive observation, I assigned particular blood groups depending upon the changes that took place on the drops.

Project

This project was based upon the likeness or opposite for the movies among people and the relation of blood group with this trend. It was a study to evaluate the general trends about this title among the people. People were asked about their choices of movies and their behavioral attitudes of whether they like to watch movies or not. This was a good title in the sense that watching movies has become a trend all over the world. Definitely, some people loved to watch movies while some hated to do so and rather some had their consents in between as they watched movies depending upon their mood and had no special intentions for this act. So, a general trend was studied in this project. The main reason for this particular study was fulfilled by relating blood groups with the trend of movie likeness. This was a useful survey study. A questionnaire was prepared on the title of association of blood group with likeness of movies. General views of the people were found on this questionnaire.

Statistical Analysis

A statistical analysis was performed by using MS excel. The survey results were summarized in a defined and organized form.



Figure 1

RESULTS

Association of blood groups with likeness of movies is given in the following table. Total number of participants in this study was 177. In the following table, individual percentages of different blood groups are given from total off 177. Percentages of males and females of different blood groups are presented separately in this table and separate percentages have been calculated for persons who answered in either form: yes or no. In this aspect, we found that there were 17.51% persons out of the total 177 who had blood group A positive. Out of these 17.51% persons, 6.21% males answered in yes and 9.60% were the females who said yes that they liked to watch movies. Similarly, the percentages of the males and females in this 17.51% who replied in no were 0.56% and 1.13% respectively. 1.12% persons out of these 177 had blood group A negative in which 0.56% males and the same percentage of females answered in yes and 0% of both genders said no. Out of these 177, 33.9% people had blood group B positive out of which 4.51% were the males who said yes and 0.56% males said no. Similarly, 20.9% were females who said yes and 7.9% responded in no. The percentage of B negative was 2.82% out of which 1.13% of males and same percentage of females said yes. 0% of males responded in no and 0.56% of females said no in answer. 6.8% people had AB positive blood group in which 1.69% of males and 4.52% of females answered in yes and 0% males and 0.56% females said no. The total percentage of AB negative persons in total of 177 was 0.56% which was the percentage of only the females who said no and the other aspects had 0%. 31.63% of persons were O positive out of which 8.47% of males and 15.25% of females said yes and 0.56% of males and 7.34% of females said no. The overall percentage of O negative was 5.64% in which 0% males and 3.38% of females responded in yes and 0% males and 2.26% females said no.

Table 1

Blood Group	Total %Age	Yes	Yes	No	No
		Males	Females	Males	Females
A+	17.51%	6.21%	9.60%	0.56%	1.13%
A-	1.12%	0.56%	0.56%	0%	0%
B+	33.9%	4.51%	20.90%	0.56%	7.90%
B-	2.82%	1.13%	1.13%	0%	0.56%
AB+	6.8%	1.69%	4.52%	0%	0.56%
AB-	0.56%	0%	0%	0%	0.56%
O+	31.63%	8.47%	15.25%	0.56%	7.34%
O-	5.54%	0%	3.38%	0%	2.26%

CONCLUSIONS AND DISCUSSION

It was concluded from the present study that among total of 177, 33.90% were B positive. So, the blood group B positive was most common type of blood groups among this total. Similarly, AB negative blood group was the least common among total 177 participants. Among this 177, the total percentage of males was 24.25% in which 22.57% responded in yes and 1.68% said no. The total percentage of females with different blood group phenotypes was 75.65% in which overall percentage of females saying yes was 55.34% and those saying no were 20.31%. Questionnaire based studies have been given important outcomes in current researches. So, this study definitely owns a vital importance in the behavioral studies which correlate different habits and choices of people with their physiology. I searched about this title so that to find out the previous researches on this subject and their results but could not find any on the same title but definitely, there were search researches about the timings and period of watching TV, favorite programs etc.

Acknowledgements

Institute of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan, Pakistan had provided the fund for research. I am thankful to Prof. Dr. Muhammad Baber and Dr. Muhammad Imran Qadir for reading and criticizing the draft of this manuscript.

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