

Full Length Research Paper

A study of upshot of blood group with handedness

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Blood is the main element of our body. There are a lot of researches which have been done on the blood. In the ABO blood group system there are four types of blood groups A,B,AB,O. Karl Landsteiner found out the blood group system. The handedness is the natural phenomena occurring in the homo sapiens only . It is defined as the ability of the person to do most of the tasks like writing, waving, playing games, eating either with the left or the right hand. To check the type of blood group the blood samples were taken from the different subjects. The process of checking the blood group involved taking the blood sample by pricking the needle in the finger tip of the subject. The real goal of the research was to harmonize the blood group with the marvel of handedness. The subjects were students of the University named in Bahuddin Zakirya University Multan, Pakistan. The researches based on this topic have been done in the Nigeria. It was concluded from the present study that O+ female has the maximum right handedness.

Keywords: Blood type, Handedness, Project analysis

INTRODUCTION

Blood is the main element of our body. There are a lot of researches which have been done on the blood.

In the ancient times it was noted when there was the blood donated by one person to the other two cases were found out one that some of the patients died because of it and some of them were not harmed So the studies on it why it is taking place took a rapid speed in doing this the scientist named Karl Landsteiner found out a blood group system . It is called the ABO blood group system . All the humans are having this type of the blood group system. In the ABO blood group system there are four types of blood groups A,B,AB,O. The different people are having the

different blood groups . This blood group was found out by the scientist in 1900. In this type of the blood group antigens and the antibodies plays the major role in determining the type of the blood group. We can elaborate it in this way that if an individual is having the antigen A he will surely be having the blood group A and this antigen is not present inside the cell but clearly on the surface of the cell. In the same way we can classify all the blood groups according to the antigens . In the case of antibodies the case was found totally reverse because the blood group A was having the anti B antibodies. But the case of O blood group which was having no antigen present in them was surprisingly containing both anti A antibody as well as anti B antibody. Now when the AB blood group was studied results were absolutely shocking and reverse because it was not having or having none of the antibody. So

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Table 1: Upshot of blood group with handedness

BLLOD GROUP	RIGHT	LEFT	RIGHT	LEFT
MALE			FEMALE	
A+	5.9%	0.59%	11.24%	0%
A-	0.59%	0.59%	0.59%	0%
B+	4.73%	0%	25.4%	4.14%
B-	1.18%	0%	1.77%	0%
AB+	1.77%	0%	4.14%	0.59%
AB-	0%	0%	0%	0.59%
O+	8.28%	1.77%	19.52%	0.59%
O-	0%	0%	5.91%	0%

considering all the studies on the blood the scientists said and proved that blood group O is the universal donor it is because it is not having any of the antigen which can activate the antibodies in the donor so this is how it's safe to go in any of the blood group. Same in the AB system it is the universal receiver because its having both antigens . This is how remarkably our blood group is designed by the God. The same scientist Karl Landsteiner discovered the Rh blood group system and it's the second most occurring blood group as well.

The handedness is the natural phenomena occurring in the homo sapiens only. It is defined as the ability of the person to do most of the tasks like writing, waving, playing games, eating either with the left or the right hand. Obviously this is rare in the humans because 90% of the humans are right handed and only 10% of them are lefties. This marvel is totally controlled by the brain and the distribution of the motor neurons. And the recent studies reveal that this is controlled by the spinal cord according to one of the scientist.

The real goal of the research was to harmonize the blood group with the marvel of handedness.

MATERIALS AND METHODS

Blood grouping

To check the type of blood group the blood samples were taken from the different subjects. The process of checking the blood group involved taking the blood sample by pricking the needle in the finger tip of the subject, the blood sample was taken on a slide or a sterilized glass strip . Three kinds of the anti seras were taken A,B,D. These anti seras were applied or put on the blood drops of the subject taken on the slide. The phenomena of the agglutination is to be checked. If this process was taken place in the anti sera A and not in the B or D , then it is blood group A. If this process of agglutination was taking place in the A as

well as D then it is the blood group A+. Same is the case with the B. If the agglutination took place in A and B it would be AB and if in D as well it would be AB +.If the agglutination took place in D only it would be O+. If not occurred in any of those it would be O- .

Project designing

In the very beginning by the allowance of the subjects for their blood group analysis we started our project. After that to find out the relation of the handedness with the blood group they were asked that if they were right handed or the left handed. Then a paper was prepared in which they responded according to their blood groups about being lefties or right handed.The subjects were students of the University named in Bahuddin Zakirya University Multan, Pakistan.

Statistical Analysis

This kind of data analysis were performed in MS Excel.

RESULTS

The upshot of the blood group with handedness is given in the following table which reflects that mostly the lefties are women which are having the blood group B+4.14%. Surprisingly the B+ women are those which are having the highest ratio in being the right handed25.4%.

DISCUSSION

The studies which include the practical examination by questioning the subjects have given more value in the fresh studies .Questionnaire based studies have given an important advancement in recent studies. The study on the Upshot of Blood group with Handedness has been done in

the world. The researches based on this topic have been done in the Nigeria. Also the article has been written based on the questioning from the population of that area.

CONCLUSION

It was concluded from the present study that O+ female has the maximum right handedness and minimum in O-. B+ female is having maximum left handedness.

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