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RESEARCH ARTICLE

Association of blood group with potato loving

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ABSTRACT

Objectives of the present study was correlate blood grouping with potato loving.ABO blood group system is depend upon inherited properties of red blood cell. It has four principle types A, B, AB, O.A total number of 187 students of Bahuddinzakariya university Multan Pakistan. They were aged from 18-22 participated in this project .A questionnaire was prepared about likeliness of potato.

Key Words: Potato lover, Rh factor

INTRODUCTION

ABO blood group system depends upon inherited properties of red blood cells. It has four principle types A, B, AB, O. Two antigens and two antibodies are present in ABO blood group system. Both of the A and B alleles are co-dominant. Agglutination reaction is actually the base of this system. It is essential human blood group system. The ABO blood type is based upon absence or presence of two genes of a person.[1] The Rh- blood group system is very rare and it is known one of thirty five human blood group systems. One in thirty five have Rh group. It is the second most essential human blood group system. This blood group system consists of 49 defined blood group antigens. Rh antigen may or may not present on the surface of red blood cells. The presence of Rh antigen is not essential on its surface.

Rh is inherited protein which is found on the surface of red blood cells .Blood can be Rh positive or Rh negative.[2] The potato is starchy tuberous cropand its family name issolenumtuberosum. Firstly Potatoes were introduced to Europe in the 16th century by Spanish. This is a staple food and eaten in many parts of the world. Potatoes have different percentage according to its minerals present in it. It contains 79% water, carbohydrates, proteins and fats. Potatoes are used as food for livestock. Potatoes starch is used in food industry. It is used in plant research industry and was discovered by George Crum.

It is most common among the common people because it grows very easily and is within reach of every individual of the society. The potato fiber contain Vitamin C, Vitamin B6 which supports our health and are also plays basic role in prevention of heart diseases. Their over consumption can cause increase in the potassium level which can be fatal to already damaged kidneys. Objectives of the present study were correlate blood grouping with potato loving.

MATERIAL AND METHODS

A total number of 187 students of Bahuddin zakariya university, Multan Pakistan aged from 18-22 participated in this project.

Blood Grouping

We took blood sample in the lab and placed three drops on the slide. Now we took antigen A, B and Rh antigen and placed antigen A on the first drop, B on the second and Rh on the third drop. Now we mixed them with a toothpick and waited for the results. Antigen A and Rh factor showed Agglutination which shows that blood group is A positive.

We took blood sample in the lab and placed three drops on the slide. Now we took antigen A, B and Rh antigen and placed antigen A on the first drop, B on the second and Rh on the third drop. Now we mixed them with a toothpick and waited for the results. Antigen A showed agglutination while Rh didn't show agluttination which shows that group is A negative.

We took blood sample in the lab and placed three drops on the slide. Now we took antigen A, B and

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Rh antigen and placed antigen A on the first drop, B on the second and Rh on the third drop. Now we mixed them with a toothpick and waited for the results. Antigen B and Rh both showed agluttination which showed that blood group is B positive.

We took blood sample in the lab and placed three drops on the slide. Now we took antigen A,B and Rh antigen and placed antigen A on the first drop, B on the second and Rh on the third drop.Now we mixed them with a toothpick and waited for the results. Antigen B showed agglutination while Rh didn't show agglutination so blood group is B negative.

We took blood sample in the lab and placed three drops on the slide. Now we took antigen A,B and Rh antigen and placed antigen A on the first drop, B on the second and Rh on the third drop. Now we mixed them with a toothpick and waited for the results. Antigen A and B both showed aglutination as well as Rh which shows that blood group is AB positive.

We took blood sample in the lab and placed three drops on the slide.Now we took antigen A,B and Rh antigen and placed antigen A on the first drop, B on the second and Rh on the third drop.Now we mixed them with a toothpick and waited for the results. Antigen A and B both showed agluttination but Rh didn't show any which proves that blood group is AB negative.

We took blood sample in the lab and placed three drops on the slide. Now we took antigen A,B and Rh antigen and placed antigen A on the first drop, B on the second and Rh on the third drop .Now we mixed them with a toothpick and waited for the results. Antigen A and B didn't show agglutination while Rh showed agglutination which proved that the blood group was O+.

We took blood sample in the lab and placed three drops on the slide. Now we took antigen A,B and Rh antigen and placed antigen A on the first drop, B on the second and Rh on the third drop. Now we mixed them with a toothpick and waited for the results. Antigen A and B didn't show agglutination while Rh didn't show agglutination which proved that the blood group was O^-.

Project

A questionnaire was prepared about likeliness of potato. Blood group of other students identified and they ask the question about the likeliness of potato. Each student was given a specific question like foot size , mobile use etc.

Statistical Analysis

Stasistical analysis were prepared by using MS excel.We have identified the blood group of other students and ask them about the likeliness of potato.

RESULTS AND DISSCUSSION

Association of blood group with potato loving and it is given in table. In this table the result showed that 100% of A negative sad yes and 0% said No. 81.81% of A positive said yes and 15.51% said No. 100% of B negative said yes and 0% said No. 81.35% of B positive said yes

And 18.64% said No. 100% of AB negative said yes and 0% said No. 90% of AB positive said yes and 9.09% said No. 100% of O negative said yes and 0% said No. 85.71% of O positive said yes and 14.28% said No.

Table no.1 Likeliness of potato with blood group

	Yes	**No**
A^-	100%	0%
A+	81.81%	15.51%
B^-	100%	0%
B+	81.35%	18.64%
AB^-	100%	0%
AB+	90%	9.09%
O^-	100%	0%
O+	85.71%	14.28%

CONCLUSION

Total number of 187 students participated in this project. There was different number of female and male .We took different antigens A, B and Rh antigen. Blood grouping was performed in lab. All male and female has different blood group .Percentage of blood group was different.(3_10)

Questionnaire based studies have been given important outcomes in current research.

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