

## RELATIONSHIP OF FACE SHAPE WITH BLOOD GROUP

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Received date: 25 October 2018

Revised date: 15 November 2018

Accepted date: 06 December 2018

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### ABSTRACT

Objective of the present study was to co-relate blood grouping with face shape. The total of 173 subjects participated in this study. The subjects were students in Bahuddin Zakariya University Multan, Pakistan. Agglutination in respective spot of blood gave me result about my blood group because if agglutination occurs in the respective drop of blood, then it will be the blood group of that person. I went to a few subjects and inquire about their blood groups which was related to my matter that either they have rectangular, rounded or diamond shape. It was bring to an end from the current learning that greatest rounded face shape is in existence in blood group B+ and O+ while other blood groups i.e., AB-, O- have less rounded face shape. The oval shape is greatest in B+ and O+ while other blood groups have less oval shape respectively.

**KEYWORDS:** Face shape, Blood transfusion, Rh immunoglobulin.

### INTRODUCTION

There are 4 types of blood group i.e., A, B, AB and O. This blood group can be Rh negative or positive. The blood that is running in the veins can be identified by the antigens and antibodies. These antibodies are present in the plasma and it is the liquid material which contains antigens and antibodies. This material is a part of the natural defense system against many germs and foreign particles etc., while the antigens remain on the surface of red blood cells. The antigen A is present with antibodies B in the blood and the other antigen like B is present with antibodies A as antigen A is present with antibodies B. The both antibodies A and B are present in the blood group O. While blood group O has no antigen in it. The blood group AB has both antigens but there is the absence of antibodies. Blood group O is the most common one in the world and it is called as universal donor. The blood group AB is called as universal acceptor. If someone received wrong ABO blood group then this may become fatal for him. For example, if a person has blood group A and it receives blood group of B then the antibodies produce in the result and kill them. To protect person from such circumstances, you should make sure that right blood group is given to the right person.<sup>[1]</sup> Rh blood group is one of the 35 well known blood group system. Rh blood group is better recognized after the blood group system. The term Rh (D) is given

to only those blood groups which are positive or negative. The amino acid sequence is most important in the Rh antigens. It is important because it fixes the sequence for antigens. Mostly Rh antibodies are IgG type. Rh antibodies a little bit activate the complement and then it binds to the red blood cells, after this it cause destruction in spleen. If wrong blood is given to anyone then it can cause serious problem for second time because at first time it produces antibodies against that antigen but at the second time it is already produced in the body and attack them. At the second time it produces agglutination or forming a clamp together in response of attack by the antibodies. For Example, a mother is Rh-negative and father is Rh-positive, their 1st child is in no danger during blood transfusion which can be occur during delivery. When she get pregnant for second time then it cause problem for second child because already produced antibodies which may kill child. Vaccination Rh-immunoglobulin is given to such mothers and avoid such type of disaster. The Rh negative trait is rare in the world.<sup>[2]</sup>

There are many types of face shapes such as oval, round, square, diamond, heart, pear, oblong. In these shapes the most common one in men are rectangular, heart-shape, oval, oblong, square, round, diamond, triangle while in females it is rectangular, rounded and diamond. The rarest face shape is diamond shape. In this, the forehead

is narrower, cheekbones are wider and chin is narrower. The cheekbones are dramatic. These shapes can be attractive by giving a beautiful haircut. Like in oval shape, you have to do a blunt bangs and they are very flattering on oval face shape. Other things and many other haircuts can be given to the people which make them more elegant and charming.

Objective of the present study was to co-relate blood grouping with face shape.

**MATERIALS AND METHODS**

The total of 173 subjects participated in this study. The subjects were students in BZU Multan, Pakistan.

**Blood Grouping method**

The first work I have done after entering into the lab is to jab my middle finger with the help of needle. The purpose of pricking needle is to get some blood sample from my middle finger. Then I put it on the slide with a distance. Then I took three anti-sera i.e., A, B, and D and drop one by one on of these spots as Anti-Sera A on 1, Anti-Sera B on 2 and Anti-Sera D on 3. The anti-sera A is colorless, B is yellow and D is Blue in color. After placing both blood samples and Anti-sera then start mixing for 2 minutes. The reaction between antigen and antibodies will start and this reaction is Agglutination reaction. Agglutination in respective spot of blood gave me result about my blood group because if agglutination occurs in the respective drop of blood, then it will be the blood group of that person.

**Project Designing**

The matter of mine project was face shape, then went to a few subjects and inquire about their blood groups which was related to my matter that either they have rectangular, rounded or diamond shape. After asking these question, I conclude my whole survey information in the form of data. While I was doing my survey some subjects were not known about their blood group so they did not answer my question then I consent them to let me check out their blood group. They allow me to check their blood group then I found my answer.

**Statistical Analysis**

Statistical analysis were performed by using MS Excel.

**RESULTS AND DISCUSSION**

Relationship of face ship with blood group is given in table. The male with blood group A+ having rounded face shape were 4.62% and with oval were 2.31% while in female it was 6.93% and 4.04%. The percentage of females with rounded shape was 0.57%. The male with blood group B+ had rounded and oval face shape were 3.46% and 2.31% respectively like in females it was 20.80% and 8.09%. The females with rounded face shape had percentage 1.73%. The males had percentage of 0.57% with rounded face shape and oval shape with 0.57%. The male and female with blood group AB+ had

rounded and oval face shape were 0.57%, 1.15%, 3.46% and 1.15% respectively. The male and female with blood group AB- had rounded and oval face shape with percentage of 0%, 0%, 0.57%, and 0%. The male and female with blood group O+ had the rounded and oval face shape with the percentage of 6.35%, 2.89%, 15.60% and 5.78% respectively. The male with blood group O- had rounded and oval face shape is 0% while in females it is 4.62% and 1.15%.

**Table 1: Relationship of face shape with blood group.**

	Male		Female	
	Round	Oval	Round	Oval
A+	4.62%	2.31%	6.93%	4.04%
A-	0%	0%	0.57%	0%
B+	3.46%	2.31%	20.80%	8.09%
B-	0.57%	0.57%	1.73%	0%
AB+	0.57%	1.15%	3.46%	1.15%
AB-	0%	0%	0.57%	0%
O+	6.35%	2.89%	15.60%	5.78%
O-	0%	0%	4.62%	1.15%

Questionnaire based studies have given an important advancement in recent researches (3-10). No latest research I found on the topic which is relationship of face shape with blood group.

**CONCLUSION**

It was bring to an end from the current learning that greatest rounded face shape is in existence in blood group B+ and O+ while other blood groups i.e., AB-, O- have less rounded face shape. The oval shape is greatest in B+ and O+ while other blood groups have less oval shape respectively.

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