

## RESEARCH ARTICLE

**Different Blood Groups have different craze for shopping**Muhammad Imran Qadir<sup>1</sup>, Maria Qubtya\*<sup>1</sup>*Institute of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan, Pakistan.***Received on: 02/03/2018, Revised on: 03/04/2018, Accepted on: 20/04/2018****ABSTRACT**

Objective of the present study was correlate blood grouping with shopping. A total number of about 160 students of BZU Multan take parts in research. The age of the students is about 18-20 years. We examine that the students of blood groups A<sup>+</sup>, B<sup>+</sup>, AB<sup>+</sup>, O<sup>+</sup>, O<sup>-</sup> most like the shopping. If antiserum A made blood clotting and antiserum B causing no clotting then blood group A. Similarly, if antiserum B made blood clotting and A causing no clotting then blood group B. If antiserum D made blood clotting, it shows the blood group is positive if it not made blood clotting it shows that blood group is negative.

**Key words:** Shopping craze, blood groups, antigen**INTRODUCTION**

ABO blood group system was introduced by Karl Landsteiner in 1900. In this group there are four blood groups. The name of these blood groups are A, B and O blood groups. These blood groups are different from each other by an antigen present on RBCs. If RBCs have antigen A the blood group is A. If antigen B is present on RBCs, the blood group is B. If both antigens are not present on RBCs, the blood group is O.<sup>[1]</sup> In 1930 Karl Landsteiner also discovered the Rh blood group system. In this system, there are two blood groups which are different from each other by an antigen known as Rh factor. If Rh factor is present on RBCs, the man has blood group Rh<sup>+</sup>. If Rh factor is not present on RBCs, the man has blood group Rh<sup>-</sup>. Now in the world, people have different blood groups like A<sup>+</sup>, A<sup>-</sup>, B<sup>+</sup>, B<sup>-</sup>, AB<sup>+</sup>, AB<sup>-</sup>, O<sup>+</sup> and O<sup>-</sup>.<sup>[2]</sup> A questioner was prepared about shopping likeness. Shopping means to buy those things which are required or necessary for humans. Some people like the shopping. The reason is that they enjoy during shopping. They feel pleasure at this time. A few people did not like the shopping because they feel unpleasant during shopping time. Shopping is seemed as an activity..

**MATERIAL & METHOD**

A total number of 180 subjects from BZU Multan take part in this study. The age of these students is about 18-20 years.

**Blood Grouping**

Antigen A, B and D. Tooth picks, clean washed slide, blood sample, needle .We went into the lab and take needle and prick it into the finger of student, we took the blood and put on the clean slide in the form of three different drops. Now put the antigen A into one drop, antigen B into the second drop and added antigen O into the third drop, use the tooth pick to mix the antigen well, if blood with antigen A clots then blood group is A, If blood with antigen B clots then blood group is B, if blood with antigen O clots then it shows that blood group is positive or negative. After mixing the blood and antigen we observed that the blood is O negative. Objective of the present study was correlate blood grouping with shopping loveness.

**Project**

We took blood samples of the students of Msc. Biotechnology. After identifying their blood groups we labeled a page of blood groups and took their views about shopping. We examine that the students which have blood groups A<sup>+</sup>, B<sup>+</sup>, AB<sup>+</sup>, O<sup>+</sup>, O<sup>-</sup> most like the shopping. Similarly, the students having blood groups others did not like the most shopping.

**Statistical analysis**

Statistical analysis was performed by using Microsoft Office.

**RESULTS AND DISCUSSION**

The total strength of A<sup>+</sup> blood group is 27 in which 9 boys from which 8 like it, one dislike it

and 18 girls all like it. The total strength of A<sup>-</sup> is 2, one boy and one girl. Both like it. The total strength of B<sup>+</sup> is 55 in which 8 boys from which 7 like it, one dislike it and 47 girls from which 42 like it and 5 dislike it. Similarly the B<sup>-</sup> blood group has total strength 4 in which 2 boys and 2 girls. All of them like it. AB<sup>+</sup> has 11 total strength in which 3 boys and 8 girls. All of them like it. AB<sup>-</sup> has only one girl total. She liked it. O<sup>+</sup> has total 50 strength in which 15 boys out of which 11 like it, 4 dislike it and 35 girls out of which 29 like it and 6 dislike it. O<sup>-</sup> Blood group has 10 total girls. All of them like it. The percentage of boys and girls about shopping loveness is given below in the table.

**Table 1 shows the percentage of blood groups about the loveness of shopping.**

	Yes		No	
	Male	Female	Male	Female
A <sup>+</sup>	88.89%	100%	11.11%	0.00%
A <sup>-</sup>	100%	100%	0.00%	0.00%
B <sup>+</sup>	87.50%	89.36%	12.5%	10.64%
B <sup>-</sup>	100%	100%	0.00%	0.00%
AB <sup>+</sup>	100%	100%	0.00%	0.00%
AB <sup>-</sup>	0.00%	100%	0.00%	0.00%
O <sup>+</sup>	73.33%	82.86%	26.67%	17.14%
O <sup>-</sup>	0.00%	90%	0.00%	10%

Questioner based studies have been given important outcomes in current research. There is no research about it on internet. We discussed it in the class, about 97% students like shopping. A few of them did not like shopping. [3-10]

**CONCLUSION**

It was concluded from the present study that blood groups O<sup>+</sup>, B<sup>+</sup> did not like the most shopping but other groups like the most shopping. Present study shows that about 89.40% people like the most shopping from the total strength. Another thing that we saw in this study was people mostly have O<sup>+</sup>, B<sup>+</sup> blood groups.

**REFERENCES**

1. Qadir MI, Malik SA (2010) Comparison of alterations in red blood cell count and alterations in hemoglobin concentration in patients suffering from rectal carcinoma undergoing 5-fluorouracil and folic acid

- therapy. *Pharmacologyonline*, NI 3: 240-243.
2. Qadir MI, Noor A (2018) *Anemias. Rare & Uncommon Diseases*. Cambridge Scholars Publishing. Newcastle, England. ISBN: 978-1-5275-1807-0.
3. Qadir MI, Javid A (2018) Awareness about Crohn’s Disease in biotechnology students. *GloAdv Res J Med Medical Sci*, 7(3): 062-064.
4. Qadir MI, Saleem A (2018) Awareness about ischemic heart disease in university biotechnology students. *GloAdv Res J Med Medical Sci*, 7(3): 059-061.
5. Qadir MI, Ishfaq S (2018) Awareness about hypertension in biology students. *Int J Mod Pharma Res*, 7(2): 08-10.
6. Qadir MI, Mehwish (2018) Awareness about psoriasis disease. *Int J Mod Pharma Res*, 7(2): 17-18.
7. Qadir MI, Shahzad R (2018) Awareness about obesity in postgraduate students of biotechnology. *Int J Mod Pharma Res*, 7(2): 14-16.
8. Qadir MI, Rizvi M (2018) Awareness about thalassemia in post graduate students. *MOJ Lymphology&Phlebology*, 2(1): 14-16.
9. Qadir MI, Ghalia BA (2018) Awareness survey about colorectal cancer in students of M. Phil Biotechnology at BahauddinZakariya University, Multan, Pakistan. *Nov Appro in Can Study*, 1(3): NACS.000514.2018.
10. Qadir MI, Saba G (2018) Awareness about intestinal cancer in university student. *Nov Appro in Can Study*, 1(3): NACS.000515.2018.