ISSN 2581 – 4346

Available Online at www.ijms.co.in
Innovative Journal of Medical Sciences 2019; 3(1):14-16

RESEARCH ARTICLE

How mobile use associated with the blood group

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Received on: 01 November 2018; Revised on: 10 December 2018; Accepted on: 31 January 2019

ABSTRACT

The objective of the present study was to associate the blood grouping with mobile use. A total of 168 students were participated in this activity from Bahauddin Zakariya University and their age ranges from 20 to 22. We went to the laboratory to identify my blood group and after the blood group check, I came to know that my blood group is O+. A questionnaire was prepared about the mobile phone use. Other students were asked the question that how many hours they use the mobile phones in daily life. Moreover, we have concluded that the mobile phones are maximum used by students with blood group A+ and minimum used by students with blood groups A−, AB−, and O−.

Keywords: Mobile phone, Communication, Blood group

INTRODUCTION

ABO blood group system was discovered by Karl Landsteiner, in 1901. ABO blood group system is classified according to the presence of one or both or neither of A, B, or O antigen. ABO blood group system consists of ABO gene.[1] This gene is located on long arm of ninth chromosome. It is one of the most important blood group systems of 36 blood group systems. It is present in animals such as rodents and apes, including chimpanzees, bonobos, and gorilla.[1]

Rh blood group was discovered by Karl Landsteiner and Alexander S. Weiner, in 1937. The Rh blood group system is classified according to the presence of Rh factor. The Rh is abbreviation of rhesus monkey. At that time, it was believed that this antigen found in both human and rhesus monkey. However, later studies proved that Rh is not found in human blood. Rh blood group consists of 49 antigens. Rh factor is inherited protein.[2]

Mobile phone is a source of communication. It is great invention. It has made revolutionary change in the field of communication. It has become very easy to use. Today, educated and uneducated, the kids, youth, and even old people have mobile phones. It has become integral part of our daily life. It seems that we cannot live without mobile phones. It has become very popular and useful gadget of today. It has shortened the miles of distance, because, now, we can talk with people that live in other countries. Mobile phone has many benefits such as we can use calculator, internet, video and audio player, camera, radio, stopwatch, etc. However, it also has dark side. There are many misuses of mobile phone. Our youth is continuously misusing it. The excessive use of mobile phone causes wastage of time. On the other hand, it has many bad impacts on health. The excessive mobile use results in eye site weakness and also frustration and aggression. We should use it only for useful purposes. We should minimize its use.

The objective of the present study was to correlate the mobile use with blood grouping.

MATERIALS AND METHODS

A total of 168 students from Bahauddin Zakariya University (BZU) were participated in this study. They all are students of BZU in the age of 20–22 years.

Blood grouping

Antigen A, B and D, tooth picks, clean washed slide, blood sample, needle.

We went into the laboratory. We had antigen A, B, and D. We took the needle and cut the finger.

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Table 1: Total hours of mobile use with blood groups

Blood group	Male	Female
A+	107	129
A−	7	8
B+	72	298
B−	7	17
AB+	22	32
AB−	No person found	7
O+	60	166
O−	No person found	55

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 add antigen D into the third drop. Use the toothpick to mix the antigen gently. If blood with antigen A clots, then blood group will be A and if antigen B clots, then blood group will be B. On the other hand, if both antigens A and B clot, it means that the blood group is AB. If both antigens not clot, it means that the blood group is O. The antigen D indicates that the blood group is either positive or negative. After mixing, we have observed that antigen A and B do not clot and only blood with antigen D changed. After observing, I came to know that my blood group is O positive.

Project

A questionnaire was prepared about mobile phone. The blood groups of other students inspected and they asked the question that how many hours they use the mobile phone. Some other questions were also given to other students like do you have height phobia?

Statistical analysis

This experiment was performed by MS Excel. We have identified the blood group of students and then asked the question that how many hours they use mobile phone.

RESULTS AND DISCUSSION

Association of mobile use with blood grouping. The table explains blood groups with total number of hours of the mobile use. The students with AB− (males) and O− (males) were not found [Table 1].

Mean and Standard Values of Result

Blood group	Mean±SD
A+ (male)	8.9±5.9
A+ (female)	6.8±6.1
A− (male)	0±0
A− (female)	0±0
B+ (male)	8±4.8
B+ (female)	6±4.9
B− (male)	3.5±0
B− (female)	5.7±0
AB+ (male)	5.5±0
AB+ (female)	4±2.2
AB− (male)	0±0
AB− (female)	0±0
O+ (male)	4.2±2.5
O+ (female)	4.7±3.7
O− (male)	0±0
O− (female)	5.5±2.3

DISCUSSION

Questionnaire-based studies have been given important outcome in the current researches.[3-10] I was the first who study on this project.

CONCLUSION

From this study, I have concluded that the mobile use is maximum in students with blood group A+. Moreover, minimum used by students with blood groups AB−, A−, and O−.

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