

RESEARCH ARTICLE

How blood grouping influence on cooking favoriteMuhammad Imran Qadir¹, Ayman Zaheer*¹*Institute of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan, Pakistan***Received on: 20/04/2018, Revised on: 25/05/2018, Accepted on: 10/07/2018****ABSTRACT**

Objective of the present study was correlate blood grouping with cooking lover. A questionnaire was prepared about cooking lover. In which total of 181 subjects were participated in this study. They were students of BZ University Multan and they all are between 18to22. In lab we took blood samples of subjects on slide with the help of needle. By putting antibody on blood sample A and B and anti-serum on D blood drop and then observe it. The clots formation shows the positive blood group. The conclusion of this project was that the likeness of cooking is maximum for B+ and minimum for AB- .

Keywords- *Cooking, clots formation, Rhesus factor, electric stove***INTRODUCTION**

The distribution of human blood is determined by the presence or absence of antigens A and B, and this distribution has genetic basis. In ABO blood group system antigens preset on red blood cell. According to him there are four types of blood groups A, B, AB and O. In group A ,B antibodies and A antigens are present .In group B, A antibodies and B antigens are present .In group AB ,no antibodies are present, but A and B antigens are present .In group O , both antibodies are present ,but have no antigens . The ABO blood group system is not limited to humans but it is also found in apes, monkeys and rodents ^[1]. Another system used for grouping blood of humans is Rh blood group system. C, c, D, e and E are five antigens that determine this blood group system. In Rh blood group system there is no little d antigen. Rh (D) status of an individual is normally describe with (positive) and (negative) suffix. Someone who is A positive has Rh (D) antigen .someone who is A negative lack Rh (D) antigen .The term Rh was originally an abbreviation of Rhesus factor ^[2] .It discovered in 1937 by Karl Landsteiner and Alexander S. winner. D antigen is second most important red cell in blood banking after A and B .In new born babies D antibody cause transfusion reaction and hemolytic disease ^[2]. Cooking is a method to prepare eatables which is healthy for human's .It varies from grilling, roasting, frying, deep frying, roasting and baking in oven; it is used widely across the map of world. Smoke, mainly from

indoor cooking fires; kill about 1.5 million people every year in the developing world .Cancer chances increase by massive use of grilled food in daily routine. Cancer mainly caused by using charred meat because it initiate mutation that can damage DNA and genetic material .A chef traditionally wear white because the chef of prime minister of France believed that white was most hygienic of all colors. It was believed by the chef of prime minister of France that white was mass most hygienic of all colors, and that's why Chef traditionally wears white.

Purpose of the present study was influence of blood grouping on cooking favorite.

MATERIALS AND METHODS

A total of 181 subjects were participated in these studies. They were students of BZ University Multan .Their age were between 18to22.

BLOOD GROUPING

We went to lab for blood examining .We took blood samples of all subjects on slide with the help of needle .We took 3 drops of blood under examine and mentioned them as 1, 2, 3.I putted antibody A on one drop, antibody B on second and anti-Rh serum D on third drop to see how it reacts .As our blood cells clump together when mixed with antibodies against it, for example, I have type A blood group .As there were clots formed in A drop and anti-Rh serum D .So I have (A+) blood group.

PROJECT

A questionnaire was prepared about cooking lover. In which we were study the influence of blood grouping on cooking favorite. In this survey total 181 subjects were participated.

STATISTIAL ANALYSIS

Statistical analysis was performed by using MS Excel.

RESULTS AND THE DISCUSSIONS

Results are given in table 1. According to this table the person who have A+ , B+ and O+ are more likely to be more cooking lover .While O- , AB+ , AB-, A- , B- are less likely be cooking lover. In This survey total 181 subjects were participated.

Table 1: Percentage of blood grouping in subjects

BLOOD GROUPING	TOTAL %	OBTAINED %
A+	100%	18.78%
A-	100%	1.104%
B+	100%	33.14%
B-	100%	3.314%
AB+	100%	6.07%
AB-	100%	0.55%
O+	100%	31.49%
O-	100%	5.52%

TABLE 2: Blood grouping influence on cooking favorite in males and females

BLOOD GROUPING	MALE		FEMALE	
	YES	NO	YES	NO
A+	23.52%	11.76%	50%	14.70%
A-	50%	0%	5%	0%
B+	8.33%	6.66%	56.66%	28.33%
B-	0%	50%	33.33%	16.66%
AB+	18.18%	9.09%	54.54%	18.18%
AB-	100%	0%	0%	0%
O+	10.52%	19.29%	40.35%	29.82%
O-	0%	20%	80%	0%

Questionnaire based studies have been given important outcomes in current researches [3,10]. These studies are not present already. In these studies we were discussed about blood grouping and their influence on cooking favorite.

CONCLUSION

It was concluded from present studies that the cooking favorite is maximum for B+ and minimum for AB-.

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