

((Comparative of The elements constituted the power for the legs muscles according to some of The Blood groups for the students the sport Education College in The middle Euphrates.))

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The power and speed of The physical fitness elements is important for The sportsperson because it is The main base which all The others of The physical fitness elements build on it, As we find it takes a great importance for all games, became the most important characteristic of The technology age make The physical fitness more require for The ordinary and athletic people .and also The person should have the power and speed to do his duty without feeling over fatigue The attributed can get it by playing, and practice The physical activities.

Individuals are divided into four groups according to red blood contain two factors (A&B)¹ .

Before 80 years ago Japanese scientist tried to discover the relation between blood groups and personality characteristics succeeded theoretically to improve that between every blood group there is relation with some personality characteristic , frokaow 1931 tried to study the relation between blood groups and Individuals normal behavior , he expected that the results will have special theoretical important in social and teaching studies .²

The Blood Considers The most dynamics body's tissue .because in each minute there are many different material added to it from the food channel. Beside The oxygen from the lungs, since the group blood contain antigens find in the red cell surface which is swim in plasma where works antigen as guard on the gate and born the anti to protect the body from the dangerous intruders, The blood is responsible to provide the body with what is need to complete the training operation, because there no other study to the blood group and sport in Iraq, from here came the importance of the research to know the differences of the speed and power components according to The Blood groups for The students The sports education Colleges in The middle Euphrates.

www.fathsch.com/BLOOD.doc `

Furokawa .T.Anexperinental study of the relation between blood groups and mental ` dispositions and its applications , Japanese-journal – of – psychology .(٦) ,p1-4g .1931.

Aims of The study Knowing the

1-amount of the two elements constituted ; the power for The legs muscles according to some of the Bloods groups of the research's specimen.2- discrepancies between The elements constituted the power for The legs muscles for each of the Blood groups .3- discrepancies among the Blood's groups for each attribute.4- discrepancies between The two element constituted; the power for The legs muscles The neglecting the Bloods groups .5- discrepancies among the Blood groups neglecting the two element constituted ; the power for The legs muscles .interaction between the two element constituted the power for The legs muscles and the Blood's groups. percentage portion for each type among the two element constitute , the power for The legs muscles .6- percentage portion among the power for each type of Blood .

Hypotheses

1. There is no discrepancies which have the statistic familiarity between the two element constituted : the power for The legs muscles for each type of the Blood groups for each attribute .2-Then is no discrepancies which have the statistic familiarity between the element constituted : the power for The legs muscles neglecting the Blood groups also between the Blood groups neglecting the element constituted neglecting the power.3-.There is no discrepancies in the percentage portion for each type between the element constituted , the power for The legs muscles . 4-There is no discrepancies in the percentage portion between the power for each of the Blood groups .

The research field

◀ The humanistic field

First stage students in physical education college in the middle Euphrates : Al-Qadissiya , Babyloon , K|arblaa , Nejef .

◀ The place field : In door and courtyards of the physical education college in the following universities :Al-Qadissiya , , Babyloon , Karblaa , Nejef ,Al mouthina

◀ the temporal field : from 11-1-2011 till 10- 8 -2011

researcher us the descriptive curriculum by The survey style because it is suitable with the research nature . The community of the research were (392) students from The first stage in the physical education college in the middle Euphrates .

The specimen of the research were (336) students : they were chosen in the simple randomly way – Then the research makes the homogeneous among the specimen person in the age , the weight and the tall .

After making the main experience on 22/ 2/2011 Till 30/ 3/2011 .

The result It distribute according the Blood types then he treats the data statistically by wing the standard deviation , the mathematic middle , bending coefficient , The simple different connection coefficient , (pirson) , The individual different analysis , the double different analysis and the distinguished familiarity .

Table (1) : show variance of F values

Strength Components	Variance source	Square sum	Freedom degree	Square Average	F values		Significance level
					C	T	
Speed strength	Between groups	2.23	3.00	0.74	1.47	2.60	0.22
	Inside groups	168.27	332.00	0,51			
	sum	170.50	335.00				
Explosive strength	Between groups	0.02	3.00	0.01	0.13	2.60	0.94
	Inside groups	18.01	332.00	0.05			
	sum	18.03	335.00				
Maximum strength	Between groups	17002.29	3.00	567.43	3.17	2.60	0.02
	Inside groups	59352.68	332.00	178.77			
	sum	61054.97	335.00				
Endurance strength	Between groups	211.12	3.00	70.37	0.28	2.60	0.84
	Inside groups	83721.57	332.00	252.17			
	sum	83932.69	335.00				

Table (2) show post – test variances (Shefeh)

Variable	Blood Groups		Means variances	Standard error	Significance level
Maximum strength	AB+	A+	-1.59	2.62	095
	AB+	B+	-3.97	2.61	0.51
	AB+	O+	1.63	2.51	0.94
	O+	B+	-5.60	1.86	0.03
	A+	B+	-2.38	2.01	0.71
	A+	O+	3.23	1.88	0.40

After research in variances results of (F) test , very important to investigate in variance direct since the samples are not equal , shefeh test is ideal to deal with samples that not equal .the results show significant variance between (B+ and O+) to B+ direction .

Discussion of Strength Components results according blood groups variables :

From the statistics results of strength components of blood groups there are no Significance variance so simple variances in .

So the difrences between blood groups not decisive factor in getting physical characteristics so it participate with another factors in improving strengths to sports man .

Conclusion

1- There is a moral discrepancies between the two element constituted : the power , the speed according to all of the Blood groups .

2- There is a moral discrepancies between the (B+ , O+) type and for the Blood groups (B+) in the maximum power in the remanding types .

3-The Blood groups distinguish in high portion for the probability to represented by the mathematic which connect with the attributes .

Recommendations

1-Nlcessity give more carefulness toward the Blood groups in the training .

2-Study the blood groups and its relation with the athletic effort especially with the persons who have the (B+) type that is distinguished in maximum power attribute .

3-Study the Blood groups relation with The anthropometric measurements