

IMPACT OF VARIED FORMS OF RESISTANCE TRAINING ON SELECTED PHYSICAL FITNESS VARIABLE OF SCHOOL MALE VOLLEYBALL PLAYERS

S.Deepa Ph.D¹, Dr. D.Rajalakshmi²

¹Research Scholar, Alagappa University College of Physical Education, Karaikudi

²Principal, Alagappa University College of Physical Education, Karaikudi

Abstract

The motivation behind the current review was to examine effect of changed types of obstruction preparing on chosen actual wellness variable of school male Volley athletes. To accomplish the motivation behind the review sixty male Volley competitors were chosen from Alagappa Matriculation higher auxiliary school, karaikudi, during the year 2015. The subject's age goes from 14 to 19 years. The chose players were isolated into three equivalent gatherings comprises of 20 male players each specifically Experimental Group I was High Intensity Resistance Training, Experimental Group II was Moderate Intensity Resistance Training and Group III went about as control bunch for a time of about two months. The benchmark group was not participating in any preparation during the school of the review. Shoulder Muscular Strength Endurance were taken as basis variable in this review. Pre-test was taken before the preparation time frame and post-test was estimated following the multi week preparing period. Factual strategy ANCOVA was utilized to investigate the method for the pre-test and post test information of test gathering and control bunch. The outcomes uncovered that there was a huge contrast found on the rule variable. The distinction found is because of changed types of obstruction preparing given to the trial bunch on leg unstable power when contrasted with control bunch.

Keywords: Resistance Training, Shoulder Muscular, Strength Endurance, Resistance, Intensity

INTRODUCTION

A decent constitution requests specific measure of actual strength alongside the emotional well-being. It is all around said that, a sound brain and a sound body are man's valuable belongings. Dangerous power is the clearest attributes of a fruitful competitor. The most remarkable competitor, obviously, is the individuals who have uncommon speed and strength. Running, Jumping, Throwing are the intrinsic exercises of engine developments all through the

life however genuinely all people resemble the other the same the capacity and the expertise in doing or playing out a thing will shift from person. It is not difficult to accomplish great outcome when ideal man is placed in the right occasion. By and large athletic kinds of body will be more adept for hopping occasions. Body developments are utilized to acquire a mechanical and field occasions; there were huge racial contrasts in leg strength, a careful distance, hip width.

RESISTANCE TRAINING

Resistance training is by all accounts one of the better method for expanding both by and large body strength and the improvement of disengaged muscle gatherings. Weight training is a vital part of sports preparing or actual body preparing and everyone knows about their impacts on the body's muscles and ligaments. Numerous specialists and experts likewise accept that opposition preparing with the right cardio practices is known to decrease and control hypertension and supports the cardio vascular wellbeing elements of the body. The best advantage of obstruction preparing on the body is the formation of slender weight, which helps consuming calories.

METHODOLOGY

With the end goal of the review was to discover the effect of fluctuated types of obstruction preparing on shoulder solid strength perseverance of school male Volley competitors. To accomplish this motivation behind the review, sixty male Volley athletes were chosen as subjects indiscriminately. The age of the subjects were gone from 14 to 19 years. The chose subjects were arbitrarily partitioned into three equivalent gatherings comprising of twenty each. No endeavor was made to compare the gatherings. Exploratory Group I was High Intensity Resistance Training Experimental Group II was Moderate Intensity Resistance Training and Group III went about as control bunch for a time of about two months Control bunch which they didn't go through any exceptional preparation program separated from their ordinary proactive tasks according to their educational plan. The accompanying actual wellness variable to be specific shoulder solid strength perseverance were chosen as standard variable. Every one of the subjects of three gatherings were tried on chosen rule variable at before and following the preparation program. The 't' test was utilized to investigation the huge contrasts if any in the middle of the gatherings separately. The 0.05 degree of certainty was fixed to test the degree of importance which was considered as a proper.

TEST AND VARIABLE

Table I

Variable	Name of Test	Units Of Measurement
Shoulder Muscular Strength Endurance	Push Ups	Numbers

COMPUTATION OF ANALYSIS OF COVARIANCE OF HIGH INTENSITY RESISTANCE TRAINING, MODERATE INTENSITY RESISTANCE TRAINING AND CONTROL GROUPS ON SHOULDER MUSCULAR STRENGTH ENDURANCE

TABLE – II

Test	High intensity resistance training	Moderate intensity resistance training	Control group	Source of variance	Sum of squares	Df	Mean value	f-ratio
Pre test	7.75	7.95	7.85	BG	0.400	2	0.200	0.060
				WG	189.25	57	3.320	
Post test	10.30	9.40	7.75	BG	66.90	2	33.450	10.101*
				WG	188.75	57	3.11	
Adjusted post test	10.39	9.30	7.75	BG	70.481	2	35.241	61.374*
				WG	32.155	56	0.574	

The scheffe’s test for the differences between the adjusted post-tests paired means

THE SCHEFFE’S TEST FOR THE DIFFERENCES BETWEEN THE ADJUSTED POST TEST PAIRED MEANS

TABLE - III

High intensity weight training group	Moderate intensity weight training group	Control group	Mean difference	CI Value
10.39	9.3	-	1.09*	0.6
10.39	-	7.75	2.64*	
-	9.3	7.75	1.55*	

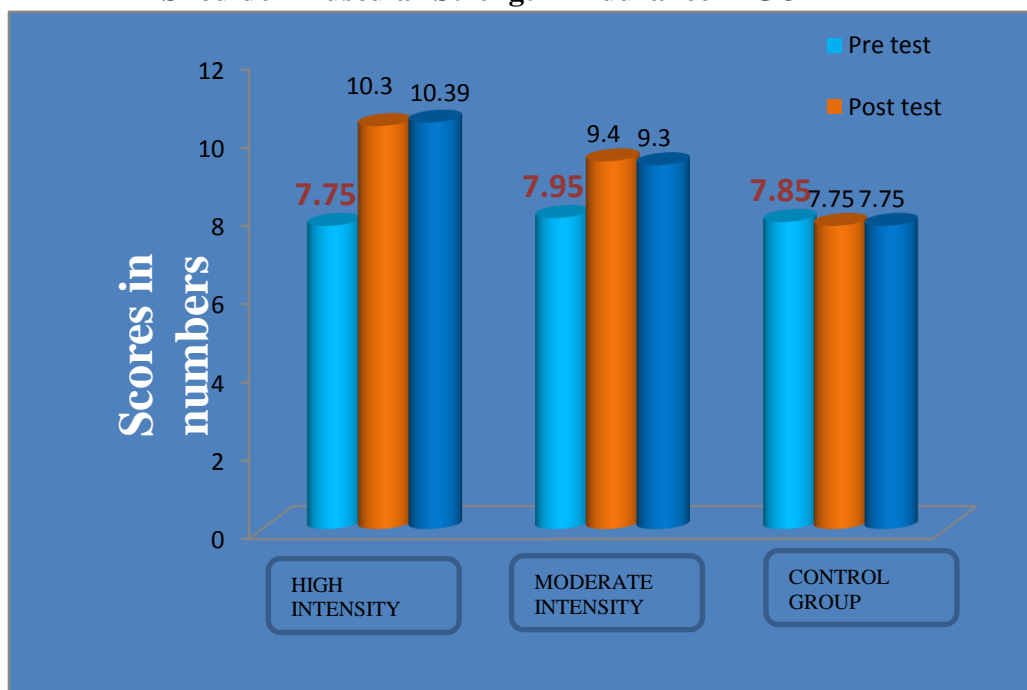
(Table value for 0.05 Level for df 2 & 57 = 2.376)

RESULTS ON SHOULDER MUSCULAR STRENGTH ENDURANCE

From table II, the pretest method for EG and CG are 7.75, 7.95 and 7.85 individually. The got F-proportion for the pre-test mean is .0060 ($P>0.05$) and the table F-proportion is 2.38. Henceforth the pre-test mean F-proportion is unimportant at 0.05 degree of certainty for the level of opportunity 2 and 57. It is demonstrating that the arbitrary examining is fruitful the gotten F-proportion for the post-test is 10.10 ($P>0.05$) and the table F-proportion is 2.37. Henceforth the post-test mean F-proportion is huge at 0.05 degree of certainty for the level of opportunity 2 and 57.

The changed post-test method for EP and CG are 10.39, 9.30 and 7.75 individually. The acquired F-proportion for the changed post-test implies is 61.37 ($P<0.05$). Thus the changed post-test mean leg hazardous power F-proportion is huge at 0.05 degree of certainty for the level of opportunity 2 and 57.

Bar diagram showing the pre test, post test and adjusted post test mean differences of high intensity resistance training, moderate intensity resistance training and control groups on Shoulder Muscular Strength Endurance FIGURE - I



CONCLUSIONS

It is inferred that the HIRTG and MIRTG have critical enhancement for the chose actual wellness Shoulder Muscular Strength Endurance variable generally speaking investigation presumes that the extreme focus HIRTG is the better model than foster greatest boundaries of Shoulder Muscular Strength Endurance. Further it is reasoned that the benchmark group has no critical improvement in all the chose variable.

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S. Deepa conceptualized and accumulated the data with importance this work.

Dr. D. Rajalakshmi and S. Deepa broke down these information and vital data sources got towards the preparation of the composition. All creators referenced the technique and results and added to a definitive composition.

REFERENCE

S. Nagarajan. "Collusion of Different Ground Surface of Plyometric with Aerobic Training on Selected Agility and Explosive Power among School Boys Volleyball Players." (2019).

Pounraj, Dr Consequence Of Jump Rope Training And Kettle Bell Training On Selected Agility And Muscular Strength Of College Men Badminton Players." *Journal–Xidian University* 14: 664-669.

Varalakshmy, Dr Collision of Ballistic and Plyometric Training on Selected Explosive Power and Vital Capacity of College Men Volleyball Players." *Journal-High Technology Letters* 26: 593-601.

Dr. M. Sundar, Consequence Of Jump Rope Training And Kettle Bell Training On Selected Agility And Muscular Strength Of College Men Badminton Players." *Journal–Xidian University* 14: 664-669.

R.Manoranjith, Consequence of Various Yogic Practices with Sattvic Diet on Selected Vital Capacity and Hemoglobin among Underweight School Boys *Europe's Journal of Psychology*, 2021, Vol. 17(3), 16-20

Jaskar, K. M. M. (2019). Isolated and Combined Effect of Continuous Run Alternate Pace Run on Selected Motor Fitness Physiological Haematological Variables among Male Athletes. *Indian Journal of Public Health Research & Development*, 10(11).

Vaithianathan, K. The Combined Effect of Continuous Run, Alternate Pace Run and Fartlek Training on Selected Physiological Variable among Male Athletes. *EXECUTIVE EDITOR*, 10(3), 246.

P.Kumaravelu, Effect of Aerobic Training, Resistance Training and Concurrent Training on Selected Biomotor Abilities, *Europe's Journal of Psychology* 17(3)

Krishnan, M. G, R. Effect of continuous training and interval training on selected physiological variables among Delhi university college men students.

Baskar, D. D. M., & Joseph, D. S. Effect of Yogic Practices and Physical Exercise Training on Flexibility of Urban Boys Students. *Journal-High Technology Letters*, 26, 40-44.

Vinoy Vincent, T., & Kumar, M. S. (2019). Motivation: meaning, definition, nature of motivation. *International Journal of Yogic, Human Movement and Sports Sciences*, 2(4), 1.

Kumar, M. S., &Nagaraj, P. R. (2020). Effect of Aerobic Exercises on Selected Physiological Variables among College Long Distance Men Athletes. *Indian Journal of Public Health Research & Development*, 11(1).

Tubin, S., Senthilkumar, M., Mohanakrishnan, R., &Rajashekar, M. (2016). Impact of soccer training on leg strength among coastal and Non coastal soccer players.