



EFFECTS OF SPECIFIC VOLLEYBALL TRAINING ON SELECTED SKILL PERFORMANCE VARIABLES AMONG WOMEN VOLLEYBALL PLAYERS

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ABSTRACT

The point of the present study was to find out the effect of specific volleyball training on selected skill performance variables among women volleyball players. To achieve the purpose of the study women volleyball players were selected from Government Arts and Science college of Mayiladuthurai District, Tamil Nadu, India. The subject's age ranges from 18 to 25 years. The selected subjects were divided into two equal groups consists of 15 volleyball women each namely experimental group and control group. The experimental group underwent a specific volleyball skill training programme for twelve weeks. The control group was not taking part in any training during the course of the study. Spiking, Service and Passing was taken as criterion variable in this study. Pre-test was taken before the training period and post- test was measured immediately after the twelve-week training period. Statistical technique 't' ratio was used to analyze the means of the pre-test and post test data of experimental group and control group. The results revealed that there was a significant difference found on the criterion variables. The difference is found due to specific volleyball skill training given to the experimental group on Spiking, Service and Passing when compared to control group.

KEY WORDS: Specific Volleyball Training, Spiking, Service, Passing and Volleyball Players.

INTRODUCTION

Sports training in a nutshell means preparing for a performance and it helps the athletes to build strength, endurance it gradually improves their skill levels and their strengthen confidence. As simple it may be sound for formulating the systematic training method that fulfils all the physical goals to be perfect. The training program has a significant impact on the desired outputs and the training must be relevant to the purpose and sport that intend to pursue. Volleyball is a gathering action where two gatherings of six players are secluded by a net. Each gathering endeavours to score centres by building up a ball in the other gathering's court under composed rules. It has been a piece of the power program of the Summer Olympic Games since 1964. The all out guidelines are expansive. In any case, just, play proceeds as follows: a major part in one of the gatherings begins a 'rally' by serving the ball (tossing or conveying it and a while later hitting it with a hand or arm), from behind as far as possible line of the court, over the net, and into the tolerating gathering's court. As volleyball coordinate incorporates a more noteworthy measure of aptitude execution. Specific volleyball skill training might get someone in general

shape and have them improve as an athlete somewhat. In sport, the team training refers the set of physical exercise used to develop either physical or motor fitness aspects of a player. When the training for players at higher level or above the basic level, they have to trained with specific objectives in sport, the training program should designed specifically based on the components that are needed for the particular skill or technique in sport (Stone, 2000). Thus such type of Specific skill training program is a need for the player to excellent in sport. Thus the present study has been carried out to study the effect of specific volleyball skill training on selected skill performance of volleyball players

Selection of Subjects

The point of the present study was to find out the effect of specific volleyball training on selected skill performance variables among women volleyball players. To achieve the purpose of the study women volleyball players were selected from Government Arts and Science college of Mayiladuthurai District, Tamil Nadu, India.

Selection of variable

Independent Variable



- Specific Volleyball Skill Training
- Dependent Variables**
- Spiking
 - Service
 - Passing

EXPERIMENTAL DESIGN AND IMPLEMENTATION

The selected subjects were divided into two equal groups consists of 15 volleyball women each namely experimental group and control group. The experimental group underwent a specific volleyball skill training programme for twelve weeks. The control group was not taking part in any training during the course of the study. Spiking, Service and Passing was taken as criterion variable in this study. Pre-test was taken before the training period and

post- test was measured immediately after the twelve-week training period.

Statistical Technique

The ‘t’ test was used to analysis the significant differences, if any, difference between the groups respectively.

Level of Significance

The 0.05 level of confidence was fixed to test the level of significance which was considered as an appropriate.

ANALYSIS OF THE DATA

The significance of the difference among the means of the experimental group was found out by pre-test. The data were analyzed and dependent ‘t’ test was used with 0.05 levels as confidence.

RESULTS

Table-I
Comparison of Mean, and ‘t’-Values of Skill Performance Variables between Pre & Post Test among Experimental and Control Groups

S. No	Performance variables	Groups	Test	Mean	‘t’ Values
1.	Spiking	Experimental group	Pre Test	21.86	10.42*
			Post Test	25.60	
		Control group	Pre Test	19.13	1.32
			Post Test	21.26	
2.	Service	Experimental group	Pre Test	31.60	13.46*
			Post Test	39.53	
		Control group	Pre Test	30.46	0.18
			Post Test	30.53	
3.	Passing	Experimental group	Pre Test	20.73	11.21*
			Post Test	25.06	
		Control group	Pre Test	19.53	0.64
			Post Test	19.33	

*Significant at 0.05 level of confidence

Table-I reveals that the obtained mean values of per test and post test of experimental group for spiking, service and passing were 21.86 and 25.60, 31.60 and 39.53, 20.73 and 25.06 respectively; the obtained ‘t’ ratio were 10.42*, 13.46* and 11.21* respectively. The tabulated ‘t’ value is 2.14 at 0.05 level of confidence for the degree of freedom 14. The calculated ‘t’ ratio was greater than the table value. It is found to be significant change in spiking, service and passing of the volleyball players. The obtained mean values of pre test and post test scores of control

group were 19.13 and 21.26, 30.46 and 30.53, 19.53 and 19.33 respectively, the obtained ‘t’ ratio was 1.32, 0.18 and 0.64. The required table value is 2.14 at 0.05 level of confidence for the degree of freedom 14. The calculated ‘t’ ratio was lesser than the table value. It is found to be insignificant changes in spiking, service and passing of the volleyball players. The mean values of skill performance variables among experimental group and control group are graphically represented in figure-1.

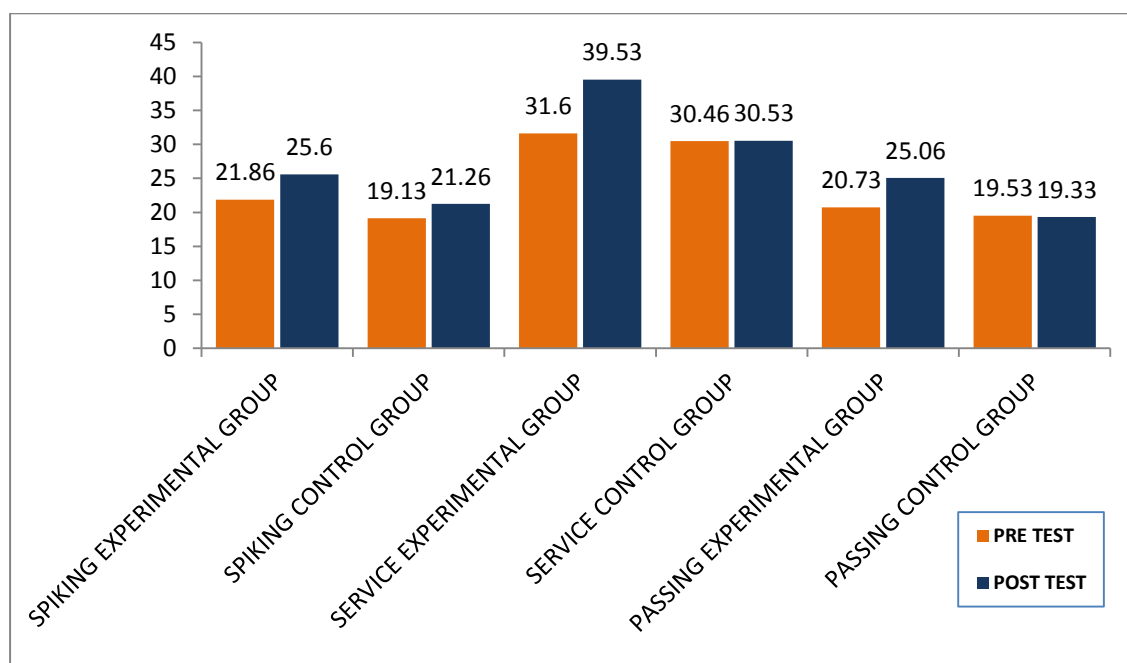


Figure-1: Bar Diagram Showing the Pre Test and Post Test on Skill Performance Variables of Experimental and Control Groups

DISCUSSION ON FINDINGS

The results of the study indicated that the selected skill performance variables such as spiking, service and passing were improved significantly after undergoing specific volleyball skill training. The changes in the selected parameters were attributed to the proper planning, preparation and execution of the training package given to the players. The findings of the present study had similarity with the findings of Abdul Halik (2021), Jenith (2021), Ooraniyan (2021) and S Senthil Kumaran (2018). The results of the present study indicates that the specific volleyball training methods is appropriate protocol to improve spiking, service and passing of inter-collegiate level women volleyball players. From the result of the present study it is very clear that the selected corporeal variables such as spiking, service and passing improvement significantly due to specific volleyball training.

CONCLUSIONS

Based on the findings and within the limitation of the study

1. It was noticed that practice of specific volleyball skill training helped to improve selected skill performance variables of inter-collegiate level women volleyball players.
2. It was also seen that there is progressive improvement in the selected criterion variables of experimental group of inter-collegiate level women volleyball players after twelve weeks of specific volleyball training programme.

Further, it also helps to improve selected corporeal variables such as spiking, service and passing

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