

A STUDY OF PLAYING ABILITY OF VOLLEYBALL PLAYERS PLAYED WITH DIFFERENT PLAY POSITIONS

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Abstract: The aim of the study is to compare the playing ability among volleyball players played with different play positions. Thirty Five university level Volleyball men players of different universities of Karnataka who have represented at South Zone Volleyball Tournament 2017 were randomly selected as subjects for this study. The age of the subjects were ranged from 18-25 years. Playing Ability was treated as criterion variable measured by 10 Point Coaches Rated Scale. The criterion measure of overall playing ability of volleyball players was measured by a panel of experts consisting of three persons. The average rating of the three experts on the overall playing ability was considered as the score of subjects. To find out the significant differences in the Playing Ability of Volleyball players played with different play positions, One-way ANOVA was used. Further the Scheffe's Post Hoc test was used to find the significant difference in the paired mean scores. The level of significance was fixed at 0.05 level. From the One-Way Analysis of Variance results, it was found that there was a significant difference in the Playing Ability of Volleyball players played with different play positions. The blockers had higher ability in playing volleyball game when compared with allrounders, setters, attackers and liberos.

Index Terms- Playing Ability, University, Volleyball Players, Play position

I. INTRODUCTION

Volleyball is a standout amongst the best and famous competitive and recreational sports on the planet. Volleyball is a complex game of simple skills. It is a sport played by two teams consisting of twelve players each on a playing court, separated by a net. It is quick, energizing and the activities are explosive. However, Volleyball contains a few essential covering components whose complimentary communications render it one of a kind among rally games. Volleyball is a Competitive Sport which taps inactive strength. It displays the best of ability, spirit, creativity and style. Sports performance is the solidarity of execution and after-effect of sports activity or an unpredictable arrangement of activities estimated or assessed by socially decided and concurred norms" (Singh H, 1991). It is referenced in the writing that, an athlete's performance amid a game is a definitive result of all performance factors. These factors can be evaluated autonomously just as joined together to discover the contributory impact on the general performance. For success or disappointment in any sport, natural qualities of sport persons could easily compare to the attributes of that sport itself. A few psychologists trust that nature of sport performance and investment in sport are controlled by personality (Cox, 2002). In a match, every player should change their position in turn except the libero, which means every player on the court should be able to serve, set, pass, spike and block.

One of the greatest pleasures in the sports is exposure to performance at its highest level. There is something almost artistic about an athletic that is well beyond the normal and demonstrates exceptional grace speed, and control while performing a skill. Getting to the highest level requires skill attainment, mental toughness, years of purposeful practice and dedication. Successful performance at the highest levels of competition often depends heavily on ability to use high levels of physical fitness and psychological characteristics as quickly and as explosively.

II. PURPOSE OF THE STUDY

The aim of the study is to compare the playing ability among volleyball players played with different play positions.

III. STATEMENT OF HYPOTHESIS

It was hypothesized that there is no significant difference between Playing Ability of Volleyball players played with different play positions.

IV. METHODOLOGY

4.1 Method: Descriptive Survey Method.

4.2 Selection of Sample: Thirty Five university level Volleyball men players of different universities of Karnataka who have represented at South Zone Volleyball Tournament 2017 were randomly selected as subjects for this study. The age of the subjects were ranged from 18-25 years.

4.3 Selection of Variable: Playing Ability was treated as criterion variable measured by 10 Point Coaches Rated Scale.

4.4 Description of Overall Playing Ability

The criterion measure of overall playing ability of volleyball players was measured by a panel of experts consisting of three persons. They were outstanding players at state level in the game of Volleyball and they have been serving as renowned & qualified coaches for about two decades. The experts were asked to make a subjective Methodology assessment of the overall playing ability of the players using the 100 point scale which consist of 10 factors. The average rating of the three experts on the overall playing ability was considered as the score of subjects.

4.5 Statistical Procedure

To find out the significant differences in the Playing Ability of Volleyball players played with different play positions, One-way ANOVA was used. Further the Scheffe's Post Hoc test was used to find the significant difference in the paired mean scores. The level of significance was fixed at 0.05 level.

V. RESULTS AND DISCUSSION

The One-way ANOVA (F test) results on Playing Ability scores of Volleyball players with different play positions. (Allrounders, Attackers, Blockers, Setters and Liberos)

Table-1: One-Way ANOVA Analysis on Playing Ability scores of Volleyball players played with different play positions like Allrounders, Attackers, Blockers, Setters and Liberos.

Groups	Sum of Squares	df	Mean Squares	F Value	Level of Sig.
Between Groups	992.102	4	248.025	7.19	0.000
Within Groups	1034.870	30	34.496		
Total	2026.971	34			

Table value at 0.05 (df is 4, 30); 2.69

From the above table it is seen that the obtained 'F' value 7.19 is greater than table value t of 2.69 for df is '4 and 30' required for the significance at 0.05 level of confidence and it is found statistically significant at 0.05 level of significance. Hence, the said hypothesis is rejected and alternate hypothesis has been accepted that "there is a significant difference in the Playing Ability of Volleyball players played with different play positions." To determine the significant difference in the Playing Ability among these paired means, the 'Scheffe's test was applied as the Post hoc analysis and the results were presented in Table-2.

Table-2: Scheffe's Post Hoc Analysis on Playing Ability of Volleyball players played with different play positions.

Play Positions					Mean Difference
Allrounders	Attackers	Blockers	Setters	Liberos	
82.300	78.111	×	×	×	4.189
82.300	×	82.500	×	×	0.200
82.300	×	×	79.571	×	2.729
82.300	×	×	×	62.666	19.634*
×	78.111	82.500	×	×	4.389
×	78.111	×	79.571	×	1.460
×	78.111	×	×	62.666	15.445*
×	×	82.500	79.571	×	2.929
×	×	82.500	×	62.666	19.834*
×	×	×	79.571	62.666	16.905*

*Significant at 0.05 level

The table-2 demonstrates significant paired mean differences in the Playing Ability between allrounders & liberos; attackers & liberos; blockers & liberos and setters & liberos as play positions of volleyball game as the mean difference values are 19.634, 15.445, 19.834 and 16.905 which are greater than the critical difference value at 0.05 level of confidence. It was concluded that there was significant difference in the Playing Ability between allrounders & liberos; attackers & liberos; blockers & liberos and setters & liberos and no different exists between allrounders & attackers; allrounders & blockers; allrounders & setters, attackers & blockers; attackers & setters, and blockers & setters as the mean difference values are 4.189, 0.200, 2.729, 4.389, 1.460 and 2.929 are less than the critical difference value at 0.05 level confidence. The blockers had better playing ability followed by allrounders, setters, attackers and liberos.

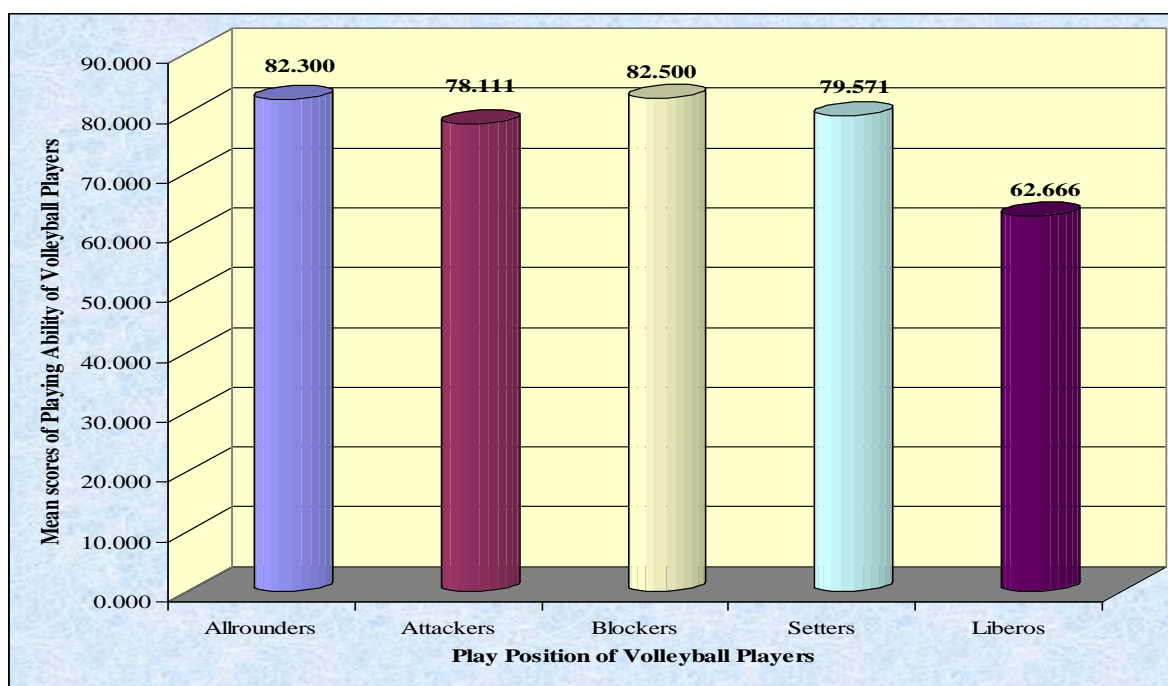


Fig.1: The Bar graph shows the comparison of mean scores of the Playing Ability of Volleyball players played with different play positions.

VI. FINDINGS OF THE STUDY

It was found that there is a significant difference in the Playing Ability of Volleyball players played with different play positions.

VII. DISCUSSION OF FINDINGS

From the Analysis of Variance it was found that there was a significant difference in the Playing Ability of Volleyball Players played with different play positions ($F=7.19$; $P=0.000$; $P<0.05$). The blockers and allrounders are having higher playing ability when compared with setters, attackers and liberos. Any training can be effective and successful if it is supported with appropriate facilities and equipments. Therefore top administrative officials should give emphases to employ sport psychologists who will help to analyze personality traits of players and in turn improve their playing ability.

VIII. CONCLUSION

The One-Way Analysis of Variance results, it was found significant difference in the Playing Ability of Volleyball players played with different play positions. The blockers had higher ability in playing volleyball game when compared with allrounders, setters, attackers and liberos.

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