



How Block Dominates Volleyball in Different Levels of Competitions

Dr. Sanjib Ghosh ¹, Dr. Mahesh Sawata ²

1. Assistant Teacher, Kshetia High School, Kshetia, Purba Bardhaman (W.B), India ,

2. Associate Professor, Department of Physical Education, Visva-Bharati, Khetmalis, Santiniketan.(W.B), India

Abstract: The present study assessed that in different level (district, state, national international) of Volleyball game or competition how the skills 'block' played a dominating role was observed. The videos of semi-final and final game of these four levels were taken 2014-15). These skills were measured by Volleyball Information System (VIS). The result indicated that the block skill of district level was more dominant than international national and state level skill.

Keywords: block, Volleyball, competitions, dominating role, skills

----- X -----

BACKGROUND

Skills play a very important role in volleyball. To make the game more effective, it is very necessary to develop all the skills. Block is a very important skill of Volleyball. The matches in which, all these skills as well as block are presented very skilfully and effectively, have become the more interesting and splendid matches. So, it should be the only aim of the volleyball players to develop these basic skills as well as block, it is the only way to increase its graph.

METHOD

The present study was conducted in Hooghly district, West- Bengal state, India and International level senior male Volleyball team (2014-15). Semi-final and final game only. Criterion measure:- The skill, block measured by Volleyball Information System (VIS). The evaluation method of block- when rally continues in block there was no evaluation and when rally ends, success '+' or if there was faults then '-'. Measuring criteria and formula was Ave. per Set = Kill block /total sets played(by the team). Analytical techniques:- To analysis of the dominating power of block in Volleyball in different level (district, state, national, international) competitions, one way ANOVA was computed using Microsoft excel and SPSS software version 20. The level of significant was set as 0.05.

FINDING AND RESULTS

The findings data of different (district, state, national and international) level in volleyball skill, block described below:-

Table 1: Descriptive Statistics of block of Volleyball Skill in Different Level of Competition (N = 3)

SKILL	Level of game	Mean	Std. Deviation	Std. Error	Minimum	Maximum
BLOCK	District	4.44	1.25	0.72	3.25	5.75
	State	2.89	1.02	0.59	2.00	4.00
	National	2.62	0.60	0.35	2.00	3.20
	International	2.28	1.18	0.68	1.00	3.33

Table 1 shows that the mean of block's average per set in district, state, national and international level senior male volleyball team was 4.44 ± 1.25 , 2.89 ± 1.02 , 2.62 ± 0.60 and 2.28 ± 1.18

Graphical representation of block skill in Volleyball (Ave. per set).

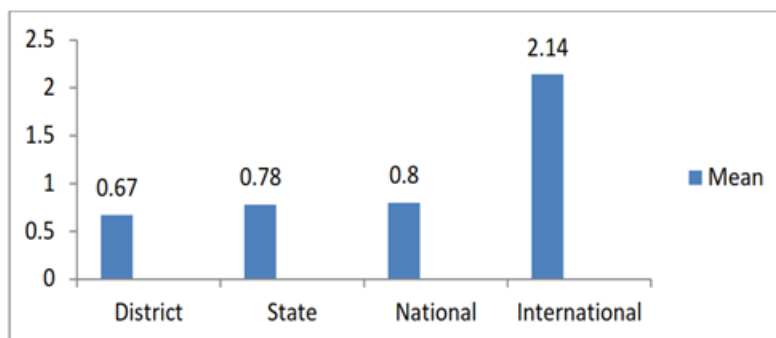


Table 2: Anova of Block

		Sum of squares	df	Mean square	F-ratio	Sig.
BLOCK	Between Group	8.240	3	2.747	2.517	0.132
	Within Groups	8.729	8	1.091		
	Total	16.970	11			

It seems that the Anova of block of between group and within groups in district, state, national & international levels men Volleyball (2014-15). It seems that the between group, sum of squares was 8.240, degree of frequency (df) was 3, mean square was 2.747 and within groups, sum of square was 8.729, degree of frequency (df) was 8, mean square was 1.091 and total sum of squares was 16.970, total degree of frequency (df) was 11. The between and within groups of F-ratio was 2.517 and significant level was 0.132 so, the spike of between and within groups not significant at 0.05 levels.

*No significant difference exists among four distinct group (district, state, national & international) in Block.

CONCLUSION

- I. In international level block skill is not more dominating than the block skill of national, state and district level's skill.
- II. In national level block skill is more dominating than international level, but not more dominating than district and state level.
- III. In state level block skill is more dominating than national and international level, but not more

dominating than district level.

- IV. The block skill of district level is more dominant than state, national, and international level's block skill.

References

1. Luka Humski, Zoran Skocir (2011). Volleyball Information System (V.I.S). IEEE publisher, pp. 12144337.
2. Pena J, Rodriguez, Busca B, Serra N (2013). Skill factors for winning men's volleyball. Journals of strength and conditioning research, 27(9), pp. 2487-93.
3. Silva M, Lacerda D, Joao PV (2014). Volleyball skills influence victory. Journal of Human Kinetics, pp. 173-9.
4. Marcelino R, Mesquita I, Sampaio J Effects of quality of opposition and match status on technical and tactical performances in elite volleyball. Journal of sports science, 29(7): pp. 733-41
5. Eom HJ, Schutz RW (1992). Transition play in team performance of volleyball. Res Q Ecre sports journal, 63(3), pp. 261-9.
6. Gonzalez-Silva J, Dominguez AM, Fernandez-Echeverria C, Rabaz FC, Arroyo MP (2016). Analysis of setting efficacy in volleyball players. Journal of Human Kinetics, pp. 189-200.