

Comparison and Analysis of Skill Application in the Competition of Beijing Men's Volleyball and Bayi Men's Volleyball in the 2012-2013 National Men's Volleyball League

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Abstract: This research is based on the comparison and analysis of skill application in the competition of Beijing Men's volleyball and Bayi Men's volleyball in the 2012-2013 national men's volleyball league. The methods include literature data, video observation, comparative analysis, mathematical statistics and others to compare and analyze the performance of the champion Beijing Men's volleyball and the runner-up Bayi Men's volleyball. This paper tries to find the advantages and disadvantages of the skill application in the game to promote the use of Chinese men's volleyball techniques more scientifically and more reasonably and aims to improve the techniques level of men's volleyball in our country. The main conclusions are as follows: 1. In the first final game, the offensive techniques and serving techniques of Beijing Men's volleyball were significantly stronger than those of Bayi Men's volleyball while the blocking and defensive success rate of Beijing Men's volleyball were significantly lower than those of Bayi Men's volleyball. 2. In the second final game, the use of offensive techniques of Beijing Men's volleyball was obvious lower than that of Bayi Men's volleyball, but Beijing Men's volleyball had obvious advantages in serving techniques. There did not exist significant difference in blocking and defensive techniques between the two teams. 3. In the third final game, the offensive and defensive techniques of Beijing Men's volleyball were slightly inferior to those of Bayi Men's volleyball while Beijing Men's volleyball had obvious advantages in blocking and serving techniques. Beijing Men's volleyball had higher blocking and serving success rate, which interfered the offensive rhythm of Bayi Men's volleyball and so that they controlled the field initiative and boosted the morale of their own players.

Keywords: National men's volleyball league; Beijing Men's volleyball; Bayi Men's volleyball; Effectiveness of techniques application; Comparison and analysis

1. Introduction

With the constant development of competitive sports, the competitive level of modern men's volleyball sports improves increasingly. Thus, the competition is fiercer and fiercer, attack skill is more mature, the level of volleyball block is higher and serving skill is more perfect. Therefore, it is of actively realistic significance to study and analyzes the skill application situation of men's volleyball competition in China for constant improvement of men's volleyball skill. In this paper, it comparatively analyzes the skill application effect of Beijing men's volleyball and Bayi men's volleyball in the final of 2012-2013 National Men's Volleyball League. The literature material, video observation, comparative analysis and mathematical statistics are adopted to comparatively ana-

lyze the skill application situation of Champion team, Beijing Men's Volleyball and second-place team, Bayi men's volleyball and then find out the advantages and disadvantages of skill application in the competition of men's volleyball to help the overall skill level of men's volleyball in China.

2. Research Object and Method

2.1. Research Object

In this paper, it comparatively analyzes the skill application effect of Beijing men's volleyball and Bayi men's volleyball

2.2. Research Method

(1) Literature material

Before writing this paper, the author has inquired relevant journal articles about the skill application effect of men's volleyball league in China as well as borrowed the books related to this research in the library. It provides relatively solid theoretical foundations for writing this paper and is in favor of the smooth development of this paper through analysis.

(2) Video observation

The detailed quantitative statistics has been carried out for the skill indicator used in 2012-2013 National Men's Volleyball League between Beijing Men's Volleyball and Bayi Men's Volleyball, which provides data support for paper writing.

(3) Comparative analysis

The comparative analysis is made for the skill application in 2012-2013 National Men's Volleyball League between Beijing Men's Volleyball and Bayi Men's Volleyball.

(4) Mathematical statistics

The collected data information is input to the computer and knowledge on statistics is used to make statistics.

2. Research Result and Analysis

Since the foundation of Bayi men's volleyball, they have had a lot of good achievements under the mutual efforts of coach and players. They are famous for bravery and strong will in the competition and have a strong teamwork. Besides, they can seek for chance in the competition. Thus, they are flexible in skill and have excellent result. They once won the champion for three times in volleyball competition of National Games and won the

champion for five times in a row in World Force Men's Volleyball League. Their brilliant combat performance boosts the development of volleyball career in China powerfully. To keep their traditional advantage, Bayi men's volleyball is focused on young talent in new century. In cultivation of talent, they adopt the strategy of "combination of the young and the old and teaching the young by the old" to prevent talent gap and complete talent connection in a stable form, thus adjusting the team comprehensively. Baiyi men's volleyball is aimed to improve the comprehensive quality of team member fully and create another glory for men's volleyball of China. After the foundation of Beijing men's volleyball, they won the champion in National Youth League for four times in 1980s and in National Men's Volleyball League later. However, their competition level decreased for various reasons after entering 1990s until volleyball league entered the stage of professionalization. Then, Beijing men's volleyball turned good and recovers power, and won champion in 2012-2013 National Men's Volleyball League with the score 3:0, reappearing the past glory. The important reason is strong cooperative consciousness, bravery, strong will and flexible skill in Beijing men's volleyball. In this research, it comparatively analyzes the skill application of champion team, Beijing men's volleyball and second-place team, Bayi men's volleyball in 2012-2013 National Men's Volleyball League. Two fields are the second stage of regular game, namely knockout match of grade keeping team and the rest three fields are champion scramble between Beijing team and Bayi team.

Table 1. The regular season integral ranking statistics of 2012-2013 season of national men's volleyball league

The group I set Table (1-8)							
Ranking	Team	play				point	
		Total	Win	Defeat	Integral	Total win	Total defeat
1	Bayi Mens Volleyball	14	10	4	31	34	15
2	Beijing Mens Volleyball	14	10	4	30	34	18
3	Henan Mens Volleyball	14	8	6	25	33	27
4	Shanghai Mens Volleyball	14	7	7	25	29	24
5	Liaoning Mens Volleyball	14	9	5	24	29	24
6	Shandong Mens Volleyball	14	7	7	19	25	26
7	Jiangsu Mens Volleyball	14	5	9	14	21	33
8	Sichuan Mens Volleyball	14	0	14	0	4	42

Table 2. The ranking table of 2012-2013 season of national men's volleyball league

The ranking	Club	Last year's ranking	Remark
1	Beijing	4	Fifth scudetto
2	Bayi	2	
3	Henan	6	The nearly four best record
4	Shanghai	1	The nearly 11th worst record
5	Liaoning	3	
6	Shangdong	5	
7	Jiangsu	9	
8	Sichuan	10	
9	Guangdong	8	
10	Zhejiang	7	The 17th session of the league's worst record
11	Hebei	12	To participate in the additional challenge
12	Fujian	11	To participate in the additional challenge

Through analysis for Table 1 and Table 2, Beijing men's volleyball, Bayi men's volleyball, Henan men's volleyball and Shanghai men's volleyball have entered the top four smoothly and fought for the champion and second place. Then, two teams from Guangdong and Zhejiang succeeded in protecting their grade. Entering the final, Beijing team has risen to the champion from the fourth place in last game, which was also the fifth champion team since the foundation of National Men's Volleyball League in 1996, while the traditionally strong team, Bayi men's volleyball has been in the second place, which was the same with the last game; whereas, Henan men's volleyball has risen to the third place from sixth place. Through watching the video, statistical analysis has been carried out for the skill application of champion team and second-place team to try to find out the characteristics of skill application and shortages. Here is the research analysis result of skill application during 2012-2013 League between Beijing men's volleyball and Bayi men's volleyball.

2.1. Comparative analysis of skill application effect in the first final between Beijing men's volleyball and Bayi men's volleyball

In 2012-2013 National Men's Volleyball League, the result of the first final between Beijing men's volleyball and Bayi men's volleyball was 2 to 3. Then, relevant data statistics were made into a table through video observation, which provided data support for comparative analysis

of skill application effect between Beijing men's volleyball and Bayi men's volleyball.

Through video observation, the score obtained by Beijing men's volleyball with "attack skill" was 64 in the first final and the rate of success was 61.5% while the score of Bayi men's volleyball was 52 and the rate of success was 50%. It showed that the attack consciousness of Beijing men's volleyball is stronger than Bayi men's volleyball obviously; the score obtained by Beijing men's volleyball with "block skill" in the first final was 8 and the rate of success was 7.7% while the score of Bayi men's volleyball was 13 and the rate of success was 12.5%. It showed that Bayi men's volleyball had a distinct block skill advantage; the score obtained by Beijing men's volleyball with "serving skill" was 12 and the rate of success was 11.5% while the score of Bayi men's volleyball was 9 and the rate of success was 8.7%. It showed that Beijing men's volleyball was better in serving skill in this game; the error rate of Beijing men's volleyball was 19.2% in the first final while that of Bayi men's volleyball was 28.8%, relatively higher than Beijing men's volleyball. It showed that the stable skill used by Beijing men's volleyball was good when faced with the strong attack of Bayi men's volleyball.

Above all, Beijing men's volleyball was stronger than Bayi men's volleyball in attack skill and serving skill, but lower than Bayi men's volleyball in block skill and error rate.

Table 3. The statistics of techniques application effectiveness of Beijing Men's volleyball and Bayi Men's volleyball in the first final game

	Rate of successful attack		Blocking success rate		Scoring ratio of serving		Error rate		Total points	
	Score	%	Score	%	Score	%	Score	%	Score	%
Beijing	64	61.5	8	7.7	12	11.5	20	19.2	104	100
Bayi	52	50.0	13	12.5	9	8.7	30	28.8	104	100

Table 4. The statistics of techniques application effectiveness of Beijing Men's volleyball and Bayi Men's volleyball in the second final game

	Rate of successful attack		Blocking success rate		Scoring ratio of serving		Error rate		Total points	
	Score	%	Score	%	Score	%	Score	%	Score	%
Beijing	38	48.1	10	12.7	11	13.9	20	25.3	79	100
Bayi	38	60.3	8	12.7	2	3.2	16	25.4	63	100

2.2. Comparative analysis of skill application effect in the second final between Beijing men's volleyball and Bayi men's volleyball

In 2012-2013 National Men's Volleyball League, the result of the second final between Beijing men's volleyball and Bayi men's volleyball was 3 to 0. Then, relevant data statistics were made into a table through video observation, which provided data support for comparative analysis of skill application effect between Beijing men's volleyball and Bayi men's volleyball.

Through video observation, the score obtained by Beijing men's volleyball with "attack skill" was 38 in the second final and the rate of success was 48.1% while the score of Bayi men's volleyball was 38 and the rate of success was 60.3%. It showed that Bayi men's volleyball started to adjust its tactics and strengthened their attack; the score obtained by Beijing men's volleyball with "block skill" in the second final was 10 and the rate of success was 12.7% while the score of Bayi men's volleyball was 8 and the rate of success was 12.7%. It showed that there was not difference between these two teams in the rate of success in block and the block skill was close; the score obtained by Beijing men's volleyball with "serving skill"

was 11 and the rate of success was 13.9% while the score of Bayi men’s volleyball was 2 and the rate of success was 3.2%. It showed great difference between two teams and that the serving skill by Beijing men’s volleyball was relatively successful. Beijing men’s volleyball was good when faced with the strong attack of Bayi men’s volleyball. The error rate of Beijing men’s volleyball in the second final was 25.3% whereas the error rate of Bayi men’s volleyball was 25.4%, which showed that the error of these two teams was close.

In a word, the attach skill of Beijing men’s volleyball was inferior to Bayi men’s volleyball in using attach skill in this game, but better in serving skill. There was not

distinct difference between these two teams in block skill and defending skill.

2.3. Comparative Analysis of Skill Application Effect in the Third Final between Beijing Men’s Volleyball and Bayi Men’s Volleyball

In 2012-2013 National Men’s Volleyball League, the result of the third final between Beijing men’s volleyball and Bayi men’s volleyball was 3 to 0. Then, relevant data statistics are made into a table through video observation, which provided data support for comparative analysis of skill application effect between Beijing men’s volleyball and Bayi men’s volleyball.

Table5. The statistics of techniques application effectiveness of Beijing Men’s volleyball and Bayi Men’s volleyball in the third final game

	Rate of successful attack		Blocking success rate		Scoring ratio of serving		Error rate		Total points	
	Score	%	Score	%	Score	%	Score	%	Score	%
Beijing	49	62.0	7	8.9	3	3.8	20	25.3	79	100
Bayi	42	63.6	3	4.5	0	0	21	31.8	66	100

Through video observation, the score obtained by Beijing men’s volleyball with “attack skill” was 49 in the third final and the rate of success was 62% while the score of Bayi men’s volleyball was 42 and the rate of success was 63.6%. It showed that the attack skill application of Beijing men’s volleyball and Bayi men’s volleyball was close in this game; the score obtained by Beijing men’s volleyball with “block skill” in the second final was 7 and the rate of success was 8.9% while the score of Bayi men’s volleyball was 3 and the rate of success was 4.5%. It showed that the application of block skill by Beijing men’s volleyball was better than Bayi men’s volleyball; the score obtained by Beijing men’s volleyball with “serving skill” was 3 and the rate of success was 3.8% while the score of Bayi men’s volleyball was 0 and the rate of success was 0%. It showed that the serving skill of Beijing team was a little better than Bayi team. The error rate of Beijing men’s volleyball in the third final was 25.3% whereas the error rate of Bayi men’s volleyball was 31.8%, which showed that the skill of Beijing men’s volleyball was stable and they had relatively less error.

Above all, Beijing men’s volleyball in this game was slightly worse than Bayi men’s volley in attack skill, but had obvious advantage in application of block skill and serving skill and had less error. The high block skill and successful serving rate of Beijing men’s volleyball disturbed the attack space of Bayi men’s volleyball, thus controlling the initiative in the game and improves the spirit of players.

3. Conclusions and suggestions

3.1. Conclusions

In the first final game, the offensive techniques and serving techniques of Beijing Men’s volleyball were signifi-

cantly stronger than those of Bayi Men’s volleyball while the blocking and defensive success rate of Beijing Men’s volleyball were significantly lower than those of Bayi Men’s volleyball. That is to say, in this game Beijing Men’s volleyball got slightly more scores by using offensive techniques, had stronger aggressive consciousness and their serving techniques were stable. Bayi Men’s volleyball had an advantage in blocking techniques and their defense was successful.

In the second final game, the use of offensive techniques of

Beijing Men’s volleyball was obvious lower than that of Bayi Men’s volleyball, but Beijing Men’s volleyball had obvious advantages in serving techniques. There did not exist significant difference in blocking and defensive techniques between the two teams. This shows that the contest was competitive and they both had strong offensive awareness, but they also obviously enhanced their defense. As to blocking and defense skills, both teams are almost flat.

In the third final game, the offensive and defensive techniques of Beijing Men’s volleyball were slightly inferior to those of Bayi Men’s volleyball while Beijing Men’s volleyball had obvious advantages in blocking and serving techniques. Beijing Men’s volleyball had higher blocking and serving success rate, which interfered the offensive rhythm of Bayi Men’s volleyball and so that they controlled the field initiative and boosted the morale of their own players.

3.2. Suggestions

Beijing Men’s volleyball has obvious characteristics and both of playmakers and supporting players had strong offensive abilities. But because the team was relatively young, though team members were thrusting, they still

needed to improve the stability of serving and blocking. In daily training, coaches should have the consciousness to guide the team members to reduce the frequency of errors.

The overall technique use of Bayi Men's volleyball was relatively stable, but when faced with teams with strong offensive consciousness, the rear defensive strength was insufficient. Therefore, they should strengthen the rational use of tactics in daily training.

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