PLAYING EFFICIENCY OF THE BEST VOLLEYBALL PLAYERS IN THE WORLD

(Research note)

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Abstract

In the recent years, the top volleyball tournament with men – the World League ‘2011 – fully satisfied the high standards of contemporary and competent volleyball audience. The extraordinary play of the best teams, characterizes with high speed, dynamics and fascinating play situations. The purpose of the investigation is connected to the playing efficiency of the best volleyball players, from the four top teams in the position – teams of Russia, Brazil, hosts of the championship – Poland, and Argentina. The tasks are to compare the playing efficiency regarding the elements, scoring winning points and of the assisting actions, and to distinguish the most efficient volleyball players, according to their achievement of points. The analysis shows that the attack continues to be the most points-winning element in the play within the best volleyball players in the world. Mistakes made at blocking and service is considerably greater than the points gained from these elements. With the elements of assisting character, it is established that the least mistakes are made by the distributors, whose play is strongly dependent on the precise reception, which marks/scores a big efficiency percentage. The positive balance of libero competitors in the defense is much higher than with the reception, where the forwards have better indices. The tendency of the best volleyball players to accumulate their points, through the attack continues, followed by the points achieved through blocking and the service.

Keywords: volleyball game elements, volleyball efficiency, volleyball scoring points

INTRODUCTION

The final phase of the top volleyball tournament for men – The World league ‘2011, defined by many volleyball professionals, as mini world competition, was held in the Polish town Gdansk. Among the best top eight teams (four from Europe and four from America) was the team of Bulgaria. The team, headed by Mr. Radostin Stoychev, finished the competition as fifth, after two losses and a win against the team of Italy.

The teams of Russia, Brazil, Argentina and Poland ranked the top four positions. As predicted by the specialists, the first position was contended by the teams of Brazil and Argentina that in the 23-years history of the League had played four finals against each other. The sovereignty of Brazil was discontinued by the win – 3:2 in games for the Russian team, impressing with its powerful play at the service, attack and blocking. The team of Brazil has not been defeated by Russia since 2009, tried to resist its competitor through an attractive play in attack and defense. The final match again confirmed the tendency, observed in the world volleyball – specialization of payers at positions, but it made the specialists to comment the establishing of physically strong competitors, that apart from the strength, manifests good sport-technical level of their playing too.

After each big volleyball event, the specialists make similar analysis and conclusions regarding the play of teams and the best competitors, on the separate elements – attack, blocking, service, reception, defense, passing, grounding the accepted by FIVB methods of reporting the various characteristics of the play, on the respective qualitative criteria (Hristova (Христова), 2007; Antonov ( Антонов (Михайлов) Михайлов & Маврудиева (Маврудиева), 2007; Hristova (Христова) & Lazarova (Лазарова), 2008; Hristova (Христова) & Dimitrov (Димитров), 2010; Antonova (Антонова, 2009); Bozhkova (Божикова & Arsova (Арсова), 2011).

The aim of the investigation is connected to the playing efficiency of the best volleyball players from the World League ‘2011.

The tasks of the investigation are:

1. To compare the playing efficiency of the best
volleyball players at the elements, deemed points-winning – smashing, blocking and service.

2. To compare the playing efficiency of the best volleyball players, at the elements of assisting character – passing, reception and defense.

3. To distinguish the most efficient volleyball players, according to their points winning.

METHODS

Toward analysis are subjected the best volleyball players from the teams, ranked the four top positions. These are the teams of Russia, Brazil, the hosts of the championship – Poland and Argentina.

Indices that we are interpreting are: smashing, blocking, service, passing, reception, defense and realized points.

The methods of investigation used are: literature analysis, coefficients of efficiency, comparative analysis and graph analysis (Gigova / Гигова, 2000.).

The data is taken in Internet, in conformity with FIVB and it refers to the best: 10 players at smashing, blocking, service and defense, 9 – at passing and 8 at reception.

ANALYSIS OF THE RESULTS

Volleyball elements smashing, blocking and service are called points-winning, as they have the greatest contribution and bring direct points for the success of the team. After each big forum, they are subjected to the greatest number of scientific investigations and analysis on side of the volleyball specialist.

On Fig. 1., the percentage values of points gained, at points-winning elements of the best volleyball players are presented.

At smashing, the highest percentage values for points gaining are noticed. The qualitative difference of the best volleyball players is in the range - 59,55%, 40,86%, and the difference of 18,69% is substantial. The highest percentage value belongs to the Brazilian Lopes Theo (59,55%), and the lowest – to the Polish competitor Jarosz Jakub (40,86%).

The big percentage differences are observed at blocking of 9,63% to 32,65%. The biggest success showed the Russian volleyball player Maxim Mikhaylov, who was the only one with equal values for the mistakes and points gained at blocking. The remaining nine volleyball players have negative balance.

Not more different is the graph at the service, on which many volleyball players rely to a great extent. Changes in the rules at this element, and namely - the increasing of time for concentration, prior the fulfillment of the service - to 8 seconds, possibility for fulfillment from the entire end line, as well as the allowed touching of the ball, toward its run across into the opponent’s field, helps considerably for the increase of automation of service and its power.

With the mistakes made in the attack (Fig. 2.) it is observed a maximum value of 18,4%, and the minimum one – 11,2% is too high percentage. If we compare the points gained to the mistakes made, we could claim that with all ten volleyball players has shown a positive balance at the observed attacks.

The things are not the same with the blocking, where we notice too high percentage of mistakes, in the range from 32,6% to 59,7%. With this element, the points gained are considerably less than the mistakes made. This speaks about a bad teamwork and lack of harmony between the separate players at the net.

The percentage values of mistakes at the service, which is among the riskiest elements of the game, also range widely – from 16% to 35,8%. As with the blocking, the points gained are less, than the mistakes made.

The attractive play, as a result to a great extent, of the possibility of a team to play effectively, is mostly due to the precise reception. It determines the way of building of play by the distributor of the team, so that he could cheat and brake the opponent’s blocking. On Fig. 3., the most distinguished is Luciano De Cecco from Argentina, with the highest percentage – 58,12%.

According to Hristova / Христова, (2007.), an observed and affirmed tendency is one of the end forwards to be a dominating receptionist. This conclusion is valid.

Fig. 1. Percentage values of points gained, at the points-winning elements of the best volleyball players

Fig. 2. Percentage values of mistakes at points-winning elements of the best volleyball players
for the World League ’2011 too, where among the best receptionists prevailing are the forwards, compared to libero players. At the reception (Fig. 3.), the values are in the range from 46,53% to 66,46%. Leader in the position is Murilo Endres – forward from Brazil, and the lowest percentage efficiency belongs to the Russian libero Alexander Sokolov.

With the defense, the values are similar (from 72,28% to 84,61%), the most efficient are the specialized defense players – libero. They, with no doubt contribute for the development of the play, regarding of the playing duration and in the play multi-phasing.

The percentage ratio of mistakes at elements of assisting character is presented on Fig. 4.

It is apparent, that with the lowest technical waste – from 0,32% to 2,35% is the passing, which is due to the exactness of the play of the distributors.

Positive balance is observed with the reception too, where the percentage of mistakes is in the range - 2,48%, 9,9%. Murilo Endres from Brazil is with the least number of mistakes, and the highest percentage has the Russian libero Sokolov.

The analysis of the mistakes at the defense reports a maximum value of 20,3% of Santos – libero from Brazil and a minimum value of 11,6 % of the Polish Zugadro.

The chart on Fig. 5., grounding the statistics of all matches in the final four of the World League, shows clearly the continuing tendency of the best volleyball players to accumulate their points achievements through the attack (81%), followed by the points achieved from blocking (11,7%) and service – (7,3%). The volleyball players of the top 10 winners are ranked just according to the efficiency of these three indices.

CONCLUSIONS
Analysis of the playing efficiency with the points-winning elements shows that the attack continues to be the most points-winning element in the play within the best volleyball players in the world. Mistakes made at blocking and service is considerably more than the points gained from this element. Synchrony at building the blocking and decreasing the risk at fulfillment of the initial strike should be priority in the training process of the teams.

1. The analysis of the playing efficiency of the best volleyball players at the elements of assisting character reveals that the least number of mistakes are made by the distributors, whose play is strongly dependent on the exact/precise reception, which marks a big efficiency percentage. The positive balance of libero competitors at defense is higher than with the reception, where the forwards have better indices.

2. The distinguished most efficient volleyball players, according to the points efficiency accumulate 81% of their points achievements through the attack, followed by the points achieved from blocking (11,7%) and service – (7,3%). To fall among the top winners, competitors should rely on a greater complex presentation, not only to the attack, but also on blocking and the service.

REFERENCES


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ЕФИКАСНОСТА НА ИГРАТА НА НАЙДОБРИТЕ ОДБОЙКАРИ ВО СВЕТОТ

(Исхранувачка белешка)

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Антрект
Найдоброт во последните години одбойкарски турнир за мажи - Светската лига '2011, целосно ги задоволил претензиите на модерната и компетентна одбойкарска публика. Исклучително успешната одбойкарска игра на найдобрите репрезентации се карактеризира со брзи, динамични и фасцинантни играчки ситуации. Целта на истражувањето е поврзана со ефикасноста на играта на найдобrite репрезентативни одбойкарки кои ги освоиле првите четири места – екипите на Русија, Бразил, домакинит на првенството - Полска и Аргентина. Задачите на истражувањето беа да се одреди ефикасноста на играта на елементите кои носат поени со помошни карактеристики и да се истакнат најдобриот одбойкар според бодовната ефикасност. Анализата покажа дека смечирањето и натаму продолжува да биде елемент коj носи најмнogу poeni во играта на найдобриот одбойкар во светот. Грешките при блокирањето и сервисот се значително побројни во споредба со постигнатите поени со смечирањето. Кај елементите со помошен карактер е утврдено дека најмалу поврзаност во играта си дозволуваат дистрибуторите, чија игра е особено зависна од прецизното престретнување на топката кое бележи голем процен так на ефикасност. Позитивниот биланс на игрите либеро во одбрания, е значително поголем, отколку при престретнување на топката, при што напаѓачите имаат подобри показатели. Продолжува тенденцијата најдобриот одбойкар да освојуваат поени пред се, со смечирањето, а потоа со блокадите и сервисите.

Ключни зборови: одбойкарски нпайд, смечирање, блокирање во одбойка, сервис и поени во одбойка, ефикасност во одбойка

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