

ANALYSIS OF THE UKRAINIAN WOMEN TEAM'S GAMES AT EUROPEAN BASKETBALL CHAMPIONSHIP 2012

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Abstract. The indexes of efficiency of playing activity of basketball-players of youth collapsible command of Ukraine were studied in the games of championship of European of 2012. Playing indexes are analysed 16 commands of division A in 70 games of championship, the individual indexes of leading basketball-players are considered. It is set that basketball-players on all of the tools of indexes technical tactical actions in an attack had a result above average, in defence their indexes were below middle. It is marked that on the average commands for meeting executed 60,5 attacks on a ring from a game with the percent of hit 36,8 % (for 61,3 point). The greatest percent of hits 41,5 % it was exposed at the command of Spain. The collapsible command of Ukraine on the average for a game collected 70,4 point. A percent of hit from the game of the Ukrainian basketball-players was 37,8 %. On championship on the average for the game of command 18,1 got a foul.

Keywords: basketball players, team, throws, hitting, rebounds, steals, fouls, losses, block-shots, passes.

Introduction.

European Under – 20 Championship of youth teams (FIBA-Europe Under-20 Championship), earlier known as European Championship “Under 22 and “Under” started to be carried out from 1992 and conducted once every two years. Since 2004 it has been being carried out annually.

Unlike individual kinds of sports, in basketball game activity is formed from large quantity of attack and defense parameters, that is why in control of team's game efficiency in general and individual members the efficiency of their tactic and technique actions and their activity is considered.

The problems of efficiency analysis of basketball players' activity in game were dealt with by Zh. Kozina, S. Zaschuk [2], R. Sushko [3, 6], O.P. Kovalenko and Ye.A. Zaharina [1], I.G. Maximenko [3], R. Tymanski, V. Smulski, T. Hutsynski [7], Chad Carlson [8], John Taylor [9], Yves C. Vanlandewijck [10] and other. But these researches touched, mainly, high qualified sportsmen of combined or club teams and other problems of teams' training and their participation in different competitions. Meanwhile, competition activity of every team has its specific features and it requires to carry out special researches and pedagogical observations. Game activity of Ukrainian youth teams has not been sufficiently studied yet and it served as a cause of our researches.

The research was conducted as per the subject 2.8 “Improvement of academic training process of outdoor games” (state registration No. 0111U003126) of scientific and research work plan of Kharkov State Academy of Physical Culture

Purpose, tasks of the work, material and methods.

The purpose of the research – determination of game indicators of Ukrainian women's combined basketball team at European Championship 2012.

To achieve this purpose the following tasks were set:

1. To carry out analysis of Ukrainian combined women team's game indicators at European Championship, 2012.
2. To determine the best basketball players of Ukrainian combined team by game indicators.

The methods of the research: theoretical analysis of scientific and methodological literature, pedagogical observations, methods of mathematic statistics.

Results of research.

In division A 16 European teams of women under 20 took part in European Championship. Combined team of Ukraine has been participating in this Championship in the highest division since 2004; it took the following places: in 2004 – 5th place; in 2005- 7th place; in 2006 -13th place, in 2007 -13th place; in 2008 – 5th place; in 2009 – 13th place; in 2010 – 5th place; in 2011 – 6th place and in 2012 – 7th place [http://www.fibaeurope.com/]. Thus, Ukrainian women-sportsmen did not take prize places, and 5th place was their highest achievement.

The annual prize winners of European Championship among women's teams under 20 are shown in table 1. From this table we see, that combined team of Russia became prize winner the most often.

In 2012, Ukrainian youth combined team consisted of 12 basketball players: Natalia Pokrovenko, Kseniya Afanasyeva, Olga Krayevskaya, Yekaterina Demchenko, Mariya Tkach, Alina Yagupova, Larisa Stadnik, Viktoria Kariyeva, Alexandra Chek, Anna Kiriyyenko, Lyudmila Naumenko, Mariam Uro-Nile and team coaches Larisa Yeschenko and Irina Nagornaya. It should be noted that. Three of the members are the students of Kharkov State Academy of Physical Culture and two of them Natalia Pokrovenko and Alexandra Chek are the disciples of coach Ella Chek, of Children & Youth Sports School No.13.

Table 1

Prize winners of European Championship in basketball among women's teams under 20.

year	Place of games	1 st place	2 nd place	3 rd place
2012	Debretsen (Hungary)	Spain	Russia	Turkey
2011	Novi-Sad (Serbia)	Spain	Russia	Poland
2010	Liyepaya (Latvia)	Russia	Spain	Latvia
2009	Gdynya (Poland)	France	Spain	Latvia
2008	Chiety, Sulmona, Pescara (Italy)	Russia	France	Serbia
2007	Sofia (Bulgaria)	Spain	Serbia	France
2006	Shopron (Hungary)	Russia	Hungary	France
2005	Brno (Czech Republic)	France	Poland	Latvia
2004	Saint Briyet, Camper (France)	Russia	France	Czech Republic
2002	Zagreb	Czech Republic	Russia	France
2000	Bardieyev, Luchinets, Ruzhomberoke (Slovenia)	Russia	Czech Republic	Rumania

Average height of Ukrainian team members is 181.1 cm, the average height of other teams: Poland team – 181.1 cm, Sweden team – 182.4 cm, the Netherlands team – 184.3 cm, Italy team -176.9 cm, Turkey team – 182.5 cm, France team – 180.2 cm, Portugal team – 175.3 cm, Russian team – 181 cm, Slovakia team – 182.8 cm, Serbia team – 179.5 cm, Great Britain team – 178.5 cm, Byelorussia team – 179.1 cm, Spain team 180.2 cm, Latvia team – 179 cm, Lithuanian team – 180.9 cm. Thus, the members of the Netherlands team were the tallest and the most undersized was Portugal team. Central player from Slovakia team Beata Yanoschikova, whose height was 196 cm, was the tallest player at the Championship. The central player of Ukrainian team was Alexandra Chek, of 190 cm height.

Analyzing the indicators of teams' effectiveness at Championship, shown in table 2, we see, that in average, during one game, teams attacked ring 60.5 times with hit percentage of 36.8%, winning 61.3 points.

Table 2

Effectiveness indicators of women's teams under 20 at European Championship

Team	P	Total of game			2-points throws			3-points throws			Penalty throws		
		H	Th	%	H	Th	%	H	Th	%	H	Th	%
Byelorussia	57,4	22	68,6	32	18	50,3	35,8	4	18,3	21,8	9,4	12,5	72,2
France	62,4	24,4	62,6	39	21,3	52,5	40,6	3,1	10,1	30,8	10,4	15	69,6
Great Britain	53,7	18,6	49,9	37,4	17,1	42,7	40	1,5	7,1	21,9	14,8	21,2	70,2
Italy	63	24	62,3	38,5	18,7	43,2	43,4	5,2	19,1	27,3	9,7	14,2	68,8
Latvia	61,3	22	64,1	34,3	15,1	41,1	36,8	6,8	23	30	10,4	16	65,3
Lithuania	60,1	20	59,7	33,5	15,6	45,5	34,3	4,4	14,2	30,7	15,7	22,7	69,2
The Netherlands	62,7	22,5	61,2	36,8	17,7	43,5	40,6	4,8	17,6	27,7	12,7	19,3	66,1
Poland	61,7	23,8	55,2	38,2	18,7	45	41,7	5	17,1	29,2	9,2	13,4	69,2
Portugal	52,3	19,7	58,7	33,6	15,8	43,3	36,7	3,8	15,4	25,2	8,9	12,8	69,9
Russia	61,4	22	59,7	36,8	16,1	39,8	40,4	5,8	19,8	29,6	11,5	17,3	66,7
Serbia	60,1	22,2	59,2	37,6	17,6	42,1	41,8	4,6	17,1	27	11	16,9	65,2
Slovakia	62,3	22	61	36,1	16,5	43,9	37,6	5,5	17,1	32,1	12,7	17,6	72,3
Spain	66,6	26,6	64,3	41,5	22,9	48,6	47,1	3,8	15,7	23,9	9,6	14,7	64,7
Sweden	63,6	21,8	60,6	36,1	16,5	39,9	41,5	5,3	20,7	25,7	14,6	20,1	72,4
Turkey	61,8	21,8	55	39,8	16,8	40,2	42	5	14,7	33,8	13,1	17,4	75,2
Ukraine	70,4	25,2	66,7	37,8	18,3	44,1	41,6	6,8	33,6	30,4	13,1	17,8	73,3
Average	61,3	22,4	60,5	36,8	17,7	44,1	40,1	4,7	17,5	27,9	11,6	16,8	69,4

P – points, H – hits, Th – throws

The highest percentage of hits 41.5% belonged to Spain team, the winner of Championship. Ukrainian combined team gained in average 70.4 points during a game and it was the best indicator among all teams. Hits percentage of Ukrainian basketball players was 37.8%.

Analyzing the effectiveness indicators of Ukrainian players we can note that hit percentage of 2-points throws was 41.6%; it is higher than the average result and is the fifth indicator among all the teams. The same picture we have, when analyzing the accuracy of 3-points throws, where the effectiveness of Ukrainian basketball players exceeds

average result by 2.5% and this is also the fifth indicator at the Championship. The efficiency of penalty throws fulfillment yielded only to the penalty throws accuracy of Turkish players.

The study of individual efficiency revealed that the largest number of points per one game was gained by Alina Yagupova, who was the leader of Championship by this indicator. In average, per one game she brought to her team 27.6 points. Besides her, 19 basketball players from different European teams gained more than 10 points per one game, but no one of them gained more than 20 points. Among Ukrainian players the best result in 2-points throws accuracy was shown by Lyudmila Naumenko, whose hit percentage was 46.2%. This is the fourth throws accuracy result at close and medium distance. But the central player of Serbian team Ivanna Braykovick became the leader by this indicator with her indicator of 54.15%. Analysis of 3-points throws showed that the highest result – 55.0%- belonged to Russian basketball player Darya Namok while Ukrainian player Alina Yagupova took the 12th place, having 37.2%. In penalty throes accuracy A. Yagupova was the best among Ukrainian players (effectiveness – 80.0%). This if the fourth result among penalty throws snipers, the leader of whose is Serbian basketball player Snezhana Kolik, whose effectiveness is 89.3%.

In average, combined team of Ukraine carried 13.2 effective passes, it is the biggest quantity among all teams and exceeds their average result by 3 passes. With this, 5.3 passes per one game were carried out by A. Yagupova who has the best result by this indicator.

Analysis of rebound effectiveness showed that Ukrainian team had the best results among all teams of the Championship both at own and at adversary's backboard. (see table 3).

Table 3.

Game effectiveness indicators of women teams at European Championship

Team	EP	Rebound			CH	BSh	L	fouls	
		total	OB	AB				Of players	On players
Byelorussia	9,6	40,7	27,1	11,3	8,2	3,7	16,0	17,7	16,1
France	8,8	44,2	29,8	14,4	8,0	2,1	14,9	19,6	16,3
Great Britain	7,4	40,6	28,1	12,4	4,6	0,7	21,8	16,3	18,4
Italy	12,3	35,2	23,1	12,1	11,2	1,2	13,8	18,1	16,2
Latvia	10,8	39,8	28,4	11,3	8,8	1,4	15,9	18,6	16,8
Lithuania	8,6	44,5	28,6	15,9	8,9	1,4	19,8	15,5	22,1
The Netherlands	11,3	41,4	26,3	14,8	11,3	1,0	18,7	18,2	18,1
Poland	12,1	42,1	28,3	13,9	10,1	4,3	19,9	19,3	17,0
Portugal	6,8	33,3	22,2	11,1	10,1	0,4	12,6	14,3	16,4
Russia	8,9	38,4	27,1	11,3	6,7	3,8	14,3	19,1	19,6
Serbia	10,0	37,8	25,8	12,0	8,0	1,3	16,5	17,8	19,3
Slovakia	11,1	34,5	23,4	11,1	7,4	1,3	14,5	24,9	19,6
Spain	11,6	42,4	28,7	13,8	14,0	2,7	16,7	17,9	15,8
Sweden	10,3	39,4	26,0	13,4	9,7	2,7	19,8	16,7	19,2
Turkey	10,0	38,4	28,6	9,8	8,1	2,4	17,7	16,9	19,4
Ukraine	13,2	44,7	30,0	14,7	6,7	2,0	16,4	18,8	18,0
Average	10,2	39,8	26,9	12,7	9,0	2,0	16,8	18,1	18,0

EP- efficient pass, OB- own backboard, AB- adversary's backboard, CH – change of hold , B Sh- block short, L – losses.

So, if at Championship, in average teams carried out rebounds at own and adversary's backboards 39.8 times, Ukraine players won backboard 44.7 times. With this they carried out by 3.1 rebounds more than other teams in average at own backboard and by 2 rebound more than at the adversary's backboard. Analysis of individual rebound indicators of Ukrainian basketball players showed that A. Yagupova was the best by this parameter, because she had 10.1 rebounds. By this parameter she took the third place among all participants. Kseniya Tihonenko, central player of Russian combined team was the most active in struggle at backboard: she fulfilled rebounds for 11 times.

However, A. Yagupova headed the list of the most active basketball players in struggle at own backboard; in average, per one game she fulfilled 2.9 rebounds. With this result she took the 10th place in the list of the best players in struggle at adversary's backboard. This list was headed by central player from Lithuania Monika Grigolauskayte, who fulfilled 4.3 rebounds per a game.

At the Championship teams received in average 18.1 fouls per one game, with this some of them received foul for 18.0 times.

Analyzing the losses of Ukrainian combined team, we see that basketball players lost ball in average 16.4 times and it is an average indicator for all teams of the tournament.

The analysis of Ukrainian team's game actions showed that its parameters are worse than average statistical of the Championship. Thus, Ukrainian basketball players fulfilled 6.7 changes of hold per one game and it is one of the worst indicators among teams-participants. The quantity of block-shorts of Ukrainian team per one game corresponded to average statistical figure of the Championship, in average 2- per one game. Ukrainian team misses about 67.7 points and it is worse than average indicator. In our opinion, insufficient defense turned out to be one of the factors which hindered Ukrainian team to raise higher the 7th place, though our team defeated France team, which took the 5th place and Russian team, silver prize winner of championship.

The efficiency of Ukrainian basketball players' attacks, which was calculated by formula, offered by L.Yu. Poplavskiy [4], was 0.82 points per every ball holding by the team versus 0.70 points per every ball holding by adversary, that points at rather high indicator of efficiency of Ukrainian team. But unsuccessful game of Ukrainian combined team against the Netherland team in quarter-final and the game against Sweden team for 5th-8th places gave no chance for Ukrainian basketball players to raise higher than the 7th place. Probably, two fails in succession were caused by insufficiently steady staff of the team, i.e. in all 9 games only 7 players took part.

Detail analysis of game with the Netherland team, which was failed by Ukrainian team with the score 63:71, that prevented it from further struggle for medals, showed that in this game Ukrainian basketball players conducted by 6 attacks more, but the effectiveness of their throws was by 1.4% lower. In 3-points throws the accuracy of Ukrainian players was by 9.4% worse. However, 2-points throws were fulfilled by 8.5% more effectively. With this Ukrainian players received fouls 16 times, executed penalty throws 10 times with hit percentage of 60%. Basketball players from the Netherland carried out 27 penalty throws with effectiveness 63%. Ukrainian players got better results than adversary both at own and adversary's backboards and executed by 9 efficient passes more. But the lost the ball by two times more. Study of defense revealed that the Netherland team was more active in defense and changed hold 6 times versus 3 hold changes made by Ukrainian players. Thus attacking efficiency of Ukrainian basketball players was approximately of 0.67 points versus 0.75 points by every ball hold by adversary. This points at low effectiveness indicator of Ukrainian team in the given game and it conditioned the fail.

Summary.

1. At European Championship, 2012, Ukrainian women's team had indicators of attacking tactic and technique actions higher than average but all components; in defense its indicators were lower than average. Effectiveness of attacks was 0.82 points, effectiveness of defense – 0.7 points.

2. Attacking player A. Yagupova was the leader of Ukrainian team at this Championship. By many parameters she was the best among all players and entered in symbolic combined top of five best players of the tournament.

The prospects of further researches in this direction are connected with study of effectiveness of Ukrainian national women's combined team indicators at European Championship 2013 and comparison of them with the obtained results of youth combined team.

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