

Technical and tactical preparedness of the team “Helios” of Kharkov in the 25th football championship of Ukraine in the first league (the first round) in 2015

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Purpose: to define model characteristics of technical and tactical preparedness of the team which participated in the championship of Ukraine of the first league for the purpose of further improvement and correction of the educational and training process.

Material & Methods: researches were carried out by means of method expert estimates. 5 specialists of football were involved as experts.

Results: average values of the registered sizes for 10 games were analyzed. Various technical and tactical actions and their differences for the first and second times, and also separate indicators of a game of players and the team “Helios” of Kharkov are analyzed.

Conclusions: quantitative and qualitative indicators (flaw coefficient) were received as on team technical and tactical actions, and separately on each technical-tactical technique for every period of a game.

Keywords: technical and tactical actions, total of actions, flaw coefficient, indicators for the first and second times, attacking and defensive actions of a team.

Introduction

The priority of native experts doesn't raise doubts in the creation of model characteristics of the competitive activity in football [5; 7; 10]. Technical and tactical preparedness from young football players [1; 4; 6] till veterans of football is analyzed by experts [9]. Some experts investigate separate indicators which, in their opinion, lead to the positive result of a game. Among them: passes in one touch in different zones of a football field [11], a delivery of a ball to the penalty area of the rival [8] and another. There are single researches of the competitive activity of highly skilled football players (The premier league of the Ukrainian football) which were conducted with the same team for a long time [14]. However the longitudinal researches of technical and tactical preparedness of teams of the first league of the Ukrainian football are almost absent [2; 3; 13].

Presently it is possible to allocate different approaches during the development of quantitative indices what characteristic of the set level of sports skill [12]. We used the approach that is connected with studying of considerable set of sportsmen of different qualification, dependence establishment between the level of sports skill and the dynamics of changes of this or that indicator.

Communication of the research with scientific programs, plans, subjects

The research is executed according to the Built plan of the RW in the sphere of physical culture and sport for 2011–2015 by MES of Ukraine by the subject 2.3 “Scientifically methodical bases of improvement of the system of training of sports-

men in football taking into account features of the competitive activity”, and also according to the Initiative subject of SW of the chair of football and hockey of Kharkiv state academy of physical culture for 2011–2015. “Optimization of the educational and training process of football players of different qualification”.

The purpose of the research

To define model characteristics and their changes in team technical and tactical preparedness of the team which participated in the 25th championship of Ukraine (the first round) of the first league for the subsequent improvement and correction of the educational and training process.

Material and Methods of the research

The researches were conducted by means of a method of expert estimation. 5 experts of football were involved as specialists. Among them are: one – the master of sports in football, one – the candidate for the master of sports, others were players of professional football teams. All experts worked with professional and amateur football teams as coaches in the past. Among experts are: two professors; one candidate of pedagogical sciences, associate professor; two candidates of science on physical education, associate professors of football and hockey; one graduate student of the chair of football and hockey of Kharkiv state academy of physical culture. If debatable questions appeared during the registration of the competitive activity of the team «Helios» of Kharkiv, they were solved by a majority vote. The technique allowed mutual control of indicators of the competitive activity that allowed to obtain more objective data during the pedagogical supervi-

sion. So, one of experts counted total of passes, and another told on a dictophone, in the same time, what concretely players (the number of a player) and which by a direction and a distance pass was executed.

Only 10 matches on the home field were registered by the scientifically methodical group at the team «Helios» of Kharkiv. 30 points were gathered and the team took the 4th place from 16 teams. The team «Helios» of Kharkiv received 7 victories, 9 draw, 2 defeats. The team «Helios» of Kharkiv scored 22 goals and passed 15.

Results of the research and their discussion

Indicators of technical and tactical activity of the team «Helios» of Kharkiv for 10 house games for the round circle in the 25th championship of Ukraine on football are reflected in the tab. 1. There were separately counted indicators for the first and second times of a game and total of technical-tactical techniques.

Analyzing indicators for the first and second times, some tendencies are shown: 1. The number of short passes forward increases in the second half, but the number of short passes across and back decreases. 2. The quantity of enclosings of rivals increases in the second half. 3. The flaw coefficient at interceptions decreases in the second half. 4. The number of performance of corner kicks increases in the second half. However all these changes aren't reliable and indicate only tendencies which are necessary to consider during the correction of the educational and training process. It is necessary to specify among reliable changes that the number of interceptions of the team «Helios» of Kharkiv decreases in the second half ($t=2,18$; $p<0,05$). The flaw coefficient at performance by players of picking up of a ball at rivals (improves) decreases in the second half ($t=3,48$; $p<0,01$).

The most active players of the team «Helios» of Kharkiv were defined by the results of each game (what had the maximum number of technical and tactical actions). The greatest individual indicators of average number of technical and tactical

Table 1
Indicators of TTA of the team «Helios» of Kharkiv for the first round of the 25th championship of Ukraine on football (n=10)

№	Technical-tactical actions	1 time	2 time	t	p	1+2
		$\bar{X} \pm m$				
1.	Receiving of a ball	45,0±1,39	43,3±2,25	0,64	p>0,05	88,3±3,16
	Flaw coefficient, %	18,75±1,51	17,64±2,27	0,4	p>0,05	18,02±1,2
2.	Passes of a ball by a leg forward (short)	104,4±2,74	111,1±6,0	1,01	p>0,05	215,5±7,23
	Flaw coefficient, %	30,62±2,57	30,21±1,74	0,13	p>0,05	30,33±1,64
3.	Passes of a ball by a leg back and across (short)	80,1±7,0	69,1±4,77	1,3	p>0,05	149,2±10,74
	Flaw coefficient, %	9,09±1,28	8,4±1,13	0,4	p>0,05	8,7±0,84
4.	Passes of a ball by a leg forward (long)	26,2±1,48	25,3±2,39	0,32	p>0,05	51,5±2,95
	Flaw coefficient, %	72,99±2,27	76,48±2,79	0,97	p>0,05	74,42±1,48
5.	Passes of a ball by a leg back and across (long)	3,3±0,57	3,9±0,67	0,68	p>0,05	7,2±0,87
	Flaw coefficient, %	60,6±10,88	66,48±9,79	0,4	p>0,05	64,06±7,87
6.	Head-playing (single combat above)	24,7±1,98	24,2±2,12	0,17	p>0,05	48,9±3,0
	Flaw coefficient, %	47,56±2,04	51,16±3,38	0,91	p>0,05	49,46±1,33
7.	Enclosing	12,5±1,27	16,6±1,77	1,88	p>0,1	29,1±2,15
	Flaw coefficient, %	44,14±4,46	44,91±2,94	0,14	p>0,05	44,73±2,92
8.	Interception	18,5±1,86	13,1±1,64	2,18	p<0,05	31,6±3,11
	Flaw coefficient, %	31,32±3,65	26,78±2,66	1,0	p>0,05	28,96±1,91
9.	Picking out	22,5±2,33	22,5±2,64	0	p>0,05	46,0±4,34
	Flaw coefficient, %	57,89±2,81	44,92±2,44	3,48	p<0,01	51,73±1,12
10.	Shoots for goal by a leg	4,8±0,82	5,6±0,83	0,68	p>0,05	10,4±0,94
	Flaw coefficient, %	47,33±7,71	55,62±7,41	0,77	p>0,05	51,18±6,15
11.	Shoots for goal by a head	1,57±0,29	1,85±0,59	0,43	p>0,05	2,66±0,52
	Flaw coefficient, %	59,51±17,0	46,65±17,45	0,52	p>0,05	62,94±11,37
12.	11 th penalty kicks		1	–	–	1
	Flaw coefficient, %		100	–	–	100
13.	Penalty kicks in the attacking zone	2,0±0,3	2,11±0,35	0,24	p>0,05	3,3±0,42
	Flaw coefficient, %	59,51±15,37	50,91±13,77	0,41	p>0,05	53,66±11,34
14.	Corners kicks	3,9±0,72	5,88±1,95	0,95	p>0,05	7,4±1,25
	Flaw coefficient, %	56,23±10,95	64,12±12,72	0,47	p>0,05	60,39±8,61
15.	Ball throw from behind a sideline	14,3±1,35	15,9±1,41	0,82	p>0,05	30,9±2,75
	Flaw coefficient, %	24,06±5,35	22,51±2,81	0,25	p>0,05	23,07±3,54
16.	Total of TTA for a time (a game)	362,7±9,56	358,4±9,25	0,32	p>0,05	721,1±15,54
17.	Effectiveness ratio	68,64±1,35	68,21±1,38	0,22	p>0,05	68,44±1,02
18.	Flaw coefficient, %	31,36±1,35	31,79±1,38	0,22	p>0,05	31,56±1,02

actions for a game of certain players of the team «Helios» of Kharkiv – $94 \pm 4,35$, at the same time the flaw coefficient made – $28,21 \pm 1,93\%$.

The indicators of attacking and defensive actions of the team «Helios» for the first round of the championship of Ukraine on football are reflected in the tab. 2.

The attacking actions were divided into fast and position attacks during the registration (tab. 3).

The indicators of the interrupted attacks of the team «Helios» were also registered by experts (tab. 4).

Average values of efficiency of attacking actions of the team «Helios» were defined (tab. 5)

Conclusions

1. The number of short passes forward, enclosing of rivals and corner kicks increases in the second half, but the number of short passes across and back decreases. The flaw coefficient at interceptions decreases in the second half. However all these changes aren't reliable and indicate only tendencies which are necessary to consider during the correction of the

educational and training process.

2. The number of interceptions of the team «Helios» of Kharkiv decreases in the second half ($t=2,18$; $p<0,05$). The flaw coefficient at performance by players of selection of a ball at rivals decreases (improves) In the second half ($t=3,48$; $p<0,01$).

3. The greatest individual indicators of the average number of technical and tactical actions for a game which are performed by certain players of the team «Helios» of Kharkiv – $94 \pm 4,35$, at the same time the flaw coefficient made – $28,21 \pm 1,93\%$.

4. The summation of indicators for the round and second round of the 25th championship of Ukraine on football will allow receiving more reliable conclusions for the correction of the process educational and training of team of the first league of the Ukrainian football.

Prospects of the subsequent researches. The pedagogical supervision over the level of technical and tactical preparedness of players and this team will be continued for the purpose of identification of reliable tendencies in the creation of the educational and training process and successful performances in the subsequent.

Table 2
Attacking and defensive technical-tactical actions of the team «Helios» of Kharkiv for the first round of the 25th championship of Ukraine on football in the first league, on average for a game ($n=10$)

No	Indicators of technical and tactical activity	$\bar{X} \pm m$	
1.	Number of attacks of the team	Successful	$23,6 \pm 1,98$
		Broken	$127,8 \pm 6,01$
		Total	$151,4 \pm 6,38$
2.	Efficiency attacking actions, %	$15,76 \pm 1,38$	
3.	Efficiency of defensive actions, %	$91,02 \pm 0,72$	
4.	Number of attacks of the rival team	Successful	$12,2 \pm 0,91$
		Broken	$123,9 \pm 5,35$
		Total	$136,1 \pm 5,43$
5.	Efficiency attacking actions, %	$9,13 \pm 0,61$	
6.	Efficiency of defensive actions, %	$84,69 \pm 1,51$	
7.	Number of ingrained attacks of the team	Successful	$23,6 \pm 1,98$
		Broken	$59,9 \pm 1,99$
		Total	$83,5 \pm 3,07$
8.	Efficiency attacking actions, %	$28,09 \pm 1,87$	
9.	Efficiency of defensive actions, %	$80,78 \pm 1,5$	
10.	Number of ingrained attacks of the rival team	Successful	$12,2 \pm 0,91$
		Broken	$52,1 \pm 3,55$
		Total	$64,3 \pm 3,8$
11.	Efficiency attacking actions, %	$19,38 \pm 1,41$	
12.	Efficiency of defensive actions, %	$72,07 \pm 1,93$	

Table 3
Indicator of fast and position attacks of the team «Helios» and their efficiency for the first round of the 25th championship of Ukraine on football in the first league in 2015 ($n=10$), $\bar{X} \pm m$

Total	Fast attacks			Position attacks		
	Quantity	% among all attacks	Effectiveness, %	Quantity	% among all attacks	Effectiveness, %
$151,4 \pm 6,38$	$109,6 \pm 7,82$	$72,38 \pm 3,98$	$14,38 \pm 1,41$	$36,0 \pm 4,06$	$23,54 \pm 2,63$	$21,16 \pm 5,13$

Table 4

Indicator of the interrupted attacks of the team "Helios" in different zones of the football field (n=10), $\bar{X} \pm m, \%$

Zones of football team	Defenses	Average	Attacks
Percent of failure of attacks	5,84±0,79	41,95±2,91	43,0±3,26

Table 5

Indicators efficiency of attacking actions of the football team "Helios" (n=10), $\bar{X} \pm m$

Quantity of the attacking actions	Quantity of shoots for goal of the rival	The attitude of quantity of shoots for goal towards the number of the attacking actions, %	Quantity of the scored balls	The attitude of quantity of the scored balls towards the number of the attacking actions, %
151,4±6,38	12,8±0,97	21,89±13,02	1,75±0,31	1,11±0,19

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