Technical-tactical preparedness of the team “Helios” of Kharkov in the 25th football championship of Ukraine in the first league

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

Material & Methods: the researches were carried out by means of the method of expert estimates.

Results: average values of the registered sizes for 16 games are analyzed. Various technical-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 Kharkiv are analyzed.

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

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

Introduction

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

Presently during the development of quantitative indicators what characteristic of the set level of sports skill, it is possible to allocate different approaches [12]. We used approach, which is connected with studying of considerable set of sportsmen of different qualification, dependence establishment, between the level of sports skill and 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 MES of Ukraine on the subject 2.3 “Scientifically-methodical bases of improvement of the system of training of sportsmen in football taking into account features of the competitive activity”, and also according to the Initiative subject of the RW of the chair of football and hockey of Kharkiv state academy of physical culture for 2016–2021. Psycho-sensory regulation of motive activity of sportsmen of situational sports”.

The purpose of the research

The main objective was to define model characteristics and their changes in command technical-tactical preparedness of the team which participated in the 25th championship of Ukraine of the first league, for the subsequent improvement and correction of the educational-training process.

Material and Methods of the research

The researches were conducted by means of the method of expert estimation. 5 specialists were involved as football experts. Among them are: one – the master of sports of football, one – the candidate of the master of sports, others were players of professional teams of football. All experts in the past worked with professional and amateur football teams as coaches. 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 of Kharkiv state academy of physical culture. If the debatable questions occur during registration of competitive activity of the team “Helios” of Kharkiv, they were solved by the majority of votes. The technique allowed mutual control of indicators of competitive activity during pedagogical observations that allowed obtaining more objective data. So, one of experts counted total of passes, and another, in the same time, recorded on Dictaphone what specifically players (number of the player) and which by the direction and distance pass was performed.

16 home matches were registered by the scientifically-methodical group at the team “Helios” of Kharkiv. Players of “He-
## Results of the research and their discussion

Indicators of technical-tactical activity of the team “Helios” of Kharkiv for 16 home matches for the 25th championship of Ukraine on football are provided in table 1. Indicators for the first and second times of the game and total of technical-tactical techniques were separately counted.

Analyzing indicators for the first and second half, some tendencies are shown. 1. The number of short passes forward in the second half increases, but the number of short passes across and back decreases. 2. The quantity of outplay of rivals in the second half increases. 3. The number of performance of corner increases in the second half. However all these changes are not reliable and indicate only tendencies which need to consider during correction of the educational-training process. It is necessary to specify among reliable changes that the number of rebounds of the team “Helios” of Kharkiv in the second half increases.

### Table 1

| №   | Technical-tactical actions                        | 1 half          | 2 half          | t   | p     | 1+2  |
|-----|--------------------------------------------------|-----------------|-----------------|-----|-------|------|
| 1   | Shoot for goal                                   | 48,75±1,7       | 45,75±2,47      | 1   | p>0,05| 94,5±3,62 |
| 2   | Coef. of def., %                                 | 19,59±1,04      | 17,26±1,58      | 1,23| p>0,05| 18,26±0,81 |
| 3   | Passes by foot forward (short)                   | 98,75±3,51      | 106,62±4,93     | 1,3 | p>0,05| 205,37±7,33 |
| 4   | Coef. of def., %                                 | 35,46±2,91      | 33,25±1,67      | 0,65| p>0,05| 34,24±2,07 |
| 5   | Passes by foot back and across (short)           | 69,5±6,18       | 63,0±5,39       | 0,79| p>0,05| 132,81±10,67 |
| 6   | Coef. of def., %                                 | 12,1±1,47       | 10,56±1,92      | 0,63| p>0,05| 11,28±1,24 |
| 7   | Passes by foot forward (long)                    | 26,87±1,04      | 26,0±1,78       | 0,42| p>0,05| 52,62±2,12 |
| 8   | Coef. of def., %                                 | 69,73±2,15      | 73,33±2,33      | 1,13| p>0,05| 71,37±1,65 |
| 9   | Passes by foot back and across (long)            | 3,46±0,46       | 4,06±0,62       | 0,77| p>0,05| 7,31±0,76 |
| 10  | Coef. of def., %                                 | 66,06±8,05      | 62,11±8,25      | 0,34| p>0,05| 65,8±5,78 |
| 11  | Heading the ball (fight above)                   | 25,18±1,65      | 24,06±1,39      | 0,52| p>0,05| 48,68±2,24 |
| 12  | Coef. of def., %                                 | 43,51±2,6       | 47,05±2,81      | 0,92| p>0,05| 45,61±1,7 |
| 13  | Outplay                                          | 11,62±1,15      | 14,5±1,32       | 1,65| p>0,05| 26,25±1,88 |
| 14  | Coef. of def., %                                 | 45,89±3,37      | 44,76±2,43      | 0,27| p>0,05| 45,68±2,02 |
| 15  | Rebounds                                         | 16,81±1,36      | 11,5±1,22       | 2,91| p<0,01| 23,81±2,29 |
| 16  | Coef. of def., %                                 | 27,61±3,21      | 29,07±2,73      | 0,34| p>0,05| 28,62±1,78 |
| 17  | Tackles                                          | 22,56±1,81      | 20,75±1,78      | 0,71| p>0,05| 44,06±3,09 |
| 18  | Coef. of def., %                                 | 58,96±2,27      | 49,5±3,37       | 2,33| p<0,05| 54,3±1,84 |
| 19  | Shoot for goal by foot                           | 4,0±0,58        | 5,31±0,64       | 1,52| p>0,05| 9,31±0,81 |
| 20  | Coef. of def., %                                 | 48,32±6,75      | 51,42±4,99      | 0,37| p>0,05| 50,16±4,2 |
| 21  | Shoot for goal by head                           | 1,6±0,26        | 1,69±0,34       | 0,22| p>0,05| 2,53±0,35 |
| 22  | Coef. of def., %                                 | 64,99±13,25     | 46,91±12,15     | 1   | p>0,05| 61,65±8,36 |
| 23  | Penalty kicks                                    | –               | 1               | –   | –     | 1     |
| 24  | Coef. of def., %                                 | –               | 100             | –   | –     | 100   |
| 25  | Free kicks in the attacking zone                 | 1,75±0,25       | 2,3±0,3         | 1,44| p>0,05| 3,18±0,43 |
| 26  | Coef. of def., %                                 | 76,38±10,55     | 51,9±11,0       | 1,6 | p>0,05| 63,0±8,71 |
| 27  | Corner                                           | 3,68±0,48       | 4,66±1,23       | 0,74| p>0,05| 6,93±0,82 |
| 28  | Coef. of def., %                                 | 65,55±7,98      | 74,14±8,57      | 0,73| p>0,05| 67,72±6,01 |
| 29  | Ball throw in from the sideline                  | 16,06±1,19      | 16,56±1,09      | 0,31| p>0,05| 32,62±1,85 |
| 30  | Coef. of def., %                                 | 20,25±3,95      | 21,4±2,97       | 0,23| p>0,05| 20,58±2,86 |
| 31  | Total TTA for the half (game)                    | 349,37±9,18     | 345,62±12,09    | 0,24| p>0,05| 695,0±19,07 |
| 32  | Efficiency factor, %                             | 66,58±1,32      | 67,12±1,24      | 0,29| p>0,05| 66,9±1,09 |
| 33  | Coefficient of defect, %                         | 33,41±1,32      | 32,87±1,24      | 0,29| p>0,05| 33,1±1,09 |
the second half decreases (t=2,91; p<0,01). The defect coefficient at performance by players of tackle of the ball at rivals decreases (improves) (t=2,33; p<0,05) in the second half.

It is necessary to consider in more detail separate characteristics of passes by players of the team “Helios” of Kharkiv. The total of passes for two halves averaged for the game was – 398,37±17,44 (tab. 2).

The defect coefficient, when performing passes for two halves, has made 32,26±1,89%. The players of the team “Helios” performed on average 198,37±9,07 passes for first half, at the same time the coefficient of defect was 32,58±2,38%. Football players performed 200,0±9,9 passes in the second half, with the defect coefficient when performing 32,22±1,83%.

The defect coefficient when performing short and half-way passes forward – 34,22±2,07%, and when performing long balls forward, the defect made 71,15±1,68%. The number of passes (short, half-way and long) forward on average for game – 258,25±7,48, with the defect coefficient when performing 41,64±1,82%.

The number of passes (short, half-way and long) back and across – 140,75±11,13, with the defect coefficient – 14,63±1,29%.

The percentage ratio of number of passes in total of technical-tactical actions makes 56,91±1,11%.

The most active (who had the maximum number of technical-tactical actions) team players of the team “Helios” of Kharkiv were defined by the results of each game. The greatest individual indicators of average number of technical-tactical actions for the game by certain team players of the team “Helios” of Kharkiv – 90,0±4,14, at the same time the coefficient of defect made – 30,34±1,51%.

Indicators of attacking and defensive actions of the team “Helios” are displayed for the 25th championship of Ukraine on football in table 3.

The attacking actions were divided into fast and position attacks during registration of (tab. 4).

The indicators of the interrupted attacks of the team “Helios” (tab. 5) were also registered by experts.

Average values of efficiency of the attacking actions of the team “Helios” were defined (tab. 6).

**Conclusions**

1. The number of short passes forward, outplays of rivals and corner increases in the second half, but the number of short passes across and back decreases. The defect coefficient

### Table 2

| №  | Passes                  | 1 half | 2 half | p  | t  | 1+2            | μ±m     |
|----|-------------------------|--------|--------|----|----|----------------|---------|
| 1. | Total of passes         | 198,37±9,07 | 200,0±9,9 | 0,12 | p>0,05 | 398,37±17,44 | 32,58±2,38 |
|    | Coef. of defect, %      | 32,58±2,38 | 32,22±1,83 | 0,12 | p>0,05 | 32,26±1,89 |

### Table 3

| №  | Indicators of technical-tactical activity | μ±m     |
|----|------------------------------------------|---------|
| 1. | Number of attacks of the team             | 22,0±1,61 |
|    | Successful                               | 131,62±4,55 |
|    | Broken                                   | 153,62±5,04 |
|    | Total                                    | 14,5±1,01 |
|    | Efficiency of attacking actions, %        | 90,31±0,69 |
|    | Successful                               | 13,68±1,11 |
|    | Broken                                   | 125,68±3,68 |
|    | Total                                    | 139,37±4,08 |
| 5. | Efficiency of attacking actions, %        | 9,9±0,64 |
| 6. | Efficiency of defensive actions, %        | 85,91±1,06 |
|    | Successful                               | 22,0±1,61 |
|    | Broken                                   | 63,12±3,12 |
|    | Total                                    | 85,12±4,02 |
| 7. | The number of the getting attacks of the whole team | 25,83±1,42 |
|    | Efficiency of attacking actions, %        | 80,39±1,63 |
|    | Successful                               | 13,68±1,11 |
|    | Broken                                   | 58,43±5,25 |
|    | Total                                    | 72,12±5,57 |
| 11. | Efficiency of attacking actions, %        | 19,81±1,56 |
| 12. | Efficiency of defensive actions, %        | 74,37±1,45 |
at rebounds decreases in the second half. However all these changes are not reliable and indicate only tendencies which need to consider during correction of the educational-training process.

2. The number of rebounds of the team "Helios" of Kharkiv decreases in the second half (t=2,91; p<0,01). The defect coefficient at performance by players of tackle of the ball at rivals decreases (improves) in the second half (t=2,33; p<0,05).

3. The greatest individual indicators of average number of technical-tactical actions for the game by certain team players of the team "Helios" of Kharkiv – 90,0±4,14, at the same time the coefficient of defect made – 30,34±1,51%.

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

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References

1. Dulibskyi, A. V. (2001), Modeliuvannia taktychnykh dii u protsesi pidhotovky Yunatskykh komand z futbolu [Modeling tactical in preparing youth teams football], Naukovo-metodychnyi (tekhnichnyi) komitet FFU, Kyiv, 130 p. (in Ukr.)

2. Zhuryd S. M. (2011), “Research technical and tactical readiness team “Helios” Kharkiv. 20 for the first round of Ukraine Championship football first league 2011-2012”, Slobozans`kij naukovo-sportivnij visnik, No 4., pp. 46–50. (in Ukr.)

3. Zhurid, S. M. & Rebaz Sleman (2015), “Technical and tactical preparedness team “Helios” m. Kharkiv in Ukraine 24 Championship Football First League 2014-2015 biennium", Slobozans`kij naukovo-sportivnij visnik, No 4(48), pp. 40–45. (in Ukr.)

4. Koval, S. S. (2011), “A comparative analysis of the dynamics of formation of technical and tactical training of young football players of 10-12 years”, Slobozans`kij naukovo-sportivnij visnik, No 2, pp. 135–143. (in Russ.)

5. Kostiukevych, V. M. (2014), Teoriia i metodyka sportyvnoi pidhotovky (na prykladi komandnykh ihrovykh vydiv sportu) [The theory and methodology of sports training (for example, Team Sports)]. Planer, Vinnytsia, 616 p. (in Ukr.)

6. Lebedev, S. I., Zhurid, S. M. & Rebaz Sleman (2015), “Analysis of competitive activities and special technical training of players 10-12 years”, Slobozans`kij naukovo-sportivnij visnik, No 5(49), pp. 52–56. (in Ukr.)

7. Lisenchuk, G.A. (2003), Upravlenie podgotovkoy futbolistov [Management of preparation of players], Olimpiyskaya literatura, Kiev, 270 p. (in Russ.)

8. Mulyk, V. V., Perevoznyk, V. I. & Persutkov, A. A. (2015), “Characteristics of the episodes of the game in the penalty area of the opposing team” Slobozans`kij naukovo-sportivnij visnik, No 3(47), pp. 75–79. (in Ukr.)

9. Perevoznyk, V. I. Osoblyvosti pobudovy trenuvalnogo protsesu futbolistiv veteraniv : avtoref. kand. fiz. vykh : spets.24.00.01 – «Olimpiiskyi i profesiyi sport» [Features of construction of training process of football veterans: PhD thesis abstract], Kharkiv, 2004, 20 p. (in Ukr.)

10. Perevoznyk, V. Y. & Marchenko, V. A. (2012), “Study of technical and tactical action team "Metalist" Kharkiv in the first half 20 and 21 championships of Ukraine in the Premier League (2010-2012.)", Slobozans`kij naukovo-sportivnij visnik, No5(2), pp.62–67. (in Russ.)
11. Pertsukhov, A. A. & Koval, S. S. (2016), “Analysis of quantitative and qualitative indicators of the ball gear into teams of high qualification games”, Slobozans’kij naukovo-sportivnij visnik, No 1(51), pp. 57–60. (in Russ.)
12. Platonov, V. N. (1997), Obshchaia teoriia pidhotovky sportsmenov v olympyiskom sporte [The general theory of training of athletes in Olympic sports], Olympyiskaia lyteratura, Kyiv, pp. 351–392. (in Ukr.)
13. Rebaz Sleman. (2014), “Technical and tactical preparedness team “Helios” m. Kharkiv for the first round of Ukraine XXIII championship football first league 2013-2014 biennium” Slobozans’kij naukovo-sportivnij visnik, No 5(43), pp. 70–76. (in Ukr.)
14. Shamardyn, V. N. (2012), Tekhnolohyia pidhotovky futbolnoi komandy vysshei kvalyfykatsy [Technology training qualifications futbolnoy commands High society], Innovatsiya, Dnepropetrovsk, 352 p. (in Ukr.)

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