

Relationship Between Negative Events and Depression Among Taekwondo Students in Mazandaran University's

Mohammadbagher FORGHANİ OZRUDİ^{1A}, Somayeh FAGHANPOUR^{1B} Roghayeh GHOLAMPOUR GOLİ^{1C}

¹ Mazandaran University, Science and Technology Department, Babolsar, Iranian Address Correspondence to M. Forghani Ozrudi: e-mail: mohammadbagher.forghani@gmail.com

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A:Orcid ID: 0000-0003-1683-3106 B:Orcid ID: 0000-0002-2956-5107 C:Orcid ID: 0000-0003-3534-2521

Abstract

This research aimed to examine the relationship between negative events and depression among Iranian Taekwondo students. This research was conducted on the appropriate sample of 116 Taekwondo students from Mazandaran University, being 18-24 years old. The applied measure instruments were - Adolescent Perceived Events Scale, Automatic Thoughts Questionnaire, General Self-Efficacy Scale, Confrontation with Stressing Situation Questionnaire, Social Support Questionnaire, Children's Depression Rating Scale-demonstrated satisfactory reliability. The data was processed using descriptive parameters, Pearson's correlation coefficient, and hierarchy regression analysis & SPSS22 software. Achieved results didn't show that predictor variables (common automatic thoughts, the sense of general self-efficiency, confrontation strategies, and perceived support of family, coach, and team peers) are the cause of the common negative events and depression relations of Taekwondo students, in the middle period of adolescence. On contrary, the results have emphasized the fact that mutual relations of common negative events and depression of Taekwondo students, in this young category, can be explained using independent variables (unwilling unconscious negative thoughts, confrontation focused on feelings, as well as the support of family, coach and team peers).

Key Words: Depression, Negative Events, Taekwondo, Students Sport, University.

INTRODUCTION

The science of psychology concluded different fields and subjects and it is used to increase the life's qualities. Sports psychology is counted among the essential fields of psychology and it endeavors to make the desired level of athletes by using psychology facts [1, 2]. Today sports psychologists endeavor to use the theories of psychology in the fields of enthusiasm and motivation to bring the level of the movements to the desired level. Plus the sports psychologists are researching the effects of sports on personality traits and in some exceptional cases sport is used as a cure for mental disorder and meditating [3]. Athletes can use this to discourage their opponents and repel or decrease the mental pressure and by using team guidance learn successful team skills. The rivalry between individuals is the sports competitive spirit. The studding of psychology and using it in the field can be counted as an advantage to counter or describe a move [4].

Despite the great importance and contemporary status of everyday negative events and depression in adolescence, which include major changes in a cognitive, social, and emotional level, in our country, they have been relatively rarely investigated [5].

According to the studies presented,., this problem was studied in the last few decades by several authors. Studies by Croatian authors [6-9] emphasize that stressful life events, including war events, predict the formation and intensifying of depression symptoms and other problems of adaptation on the sample of adolescents. Moreover, in their research [10-11], believe that the accumulation of less significant life events represents a better predictor of depression than major life events, as well as the fact that the relationship becomes stronger with the age.

In their studies [12-13], concluded that the sensitivity to the effects of life events is more intense in people, resulting from increasing cognitive and emotional maturity, romantic relationships, present and past negative events, complex social situations, and stress, which leads to increase of the level of depression during the stressful period of adolescence. According to a study [14], the model of individual factors, such as cognition and coping, social support, and environmental factor, permanently become significant in the prediction of depressive symptoms.

The results of the research conducted by [15-16], confirmed the hypothesis that negative cognitive tendencies of adolescents, independently or in combination with stress, contribute to their current depression. The research conducted by [11], suggests that depressed persons in adolescence are unable to successfully affect their daily negative events.

Their studies [14, 17], found out that adolescents coping skills with stress contribute to the prediction of depression symptoms and the interpretation of the relation of stress and adaptation. It is assumed that badly developed strategy or predominant use of inadequate skills, individually and interacted with stress, are especially harmful to the mental health of adolescents. Also, according to research [18], the social support of parents, peers, and teachers, is negatively interrelated with depression symptoms.

A review of previous research shows an obvious lack of research papers on the correlation of negative events, unconscious thoughts, self-efficacy, coping skills, and social support on the depression of Taekwondo students. It is evident that various factors influence the relationship of life events and depressive symptoms among adolescents, i.e. They can absorb or amplify the effects of stress for them. Therefore, it can be assumed that if Taekwondo students experience numerous negative events, have a low level of self-efficacy, and do not receive suitable social support, and do not apply positive successful ways of coping, they feel more depression

Turkish Journal of Sport and Exercise /Türk Spor ve Egzersiz Dergisi 2021; 23(1): 24-32 © 2021 Faculty of Sport Sciences, Selcuk University symptoms. Also, it can be assumed that the prediction variables of cognition, coping, and perceived social support, can be transformed under the influence of stressful life events and act as a set of stress influences on the depression variable of Taekwondo students in middle adolescence. Acceptance or rejection of the hypothesis, and statistical relevance of the obtained coefficients, will be calculated with a critical value and the probability of error of less than 5 %.

The above review of relevant references indicates the complexity of the problem. The fact the relationship of the phenomenon of daily negative events and depression in adolescents has been investigated worldwide. Because correlation regression relationships between everyday negative events and depression in the sports population have not been found in previous research studies, it is extremely important to empirically investigate this phenomenon, which will lead to its complete Therefore, understanding. to obtain new information, i.e. a clear picture of whether the negative repeating day after day can be a predictor depression model, we need to research the sample Taekwondo students. Accordingly, the aim of this study was: a) to examine the effects of the interaction of negative events, unconscious thoughts, self-efficacy, coping skills, and social support on the depression of Taekwondo students and b) to investigate if automatic thoughts, selfefficacy, coping skills and social support mediate in the relations of negative events and depression in the adolescent population of Taekwondo students.

Finally, should be emphasize the fact that it is still known about the relationship between the phenomena of everyday negative events and depression in sports, i.e. Taekwondo population. Investigation of these problems may have important methodological and theoretical applications. Therefore, this study is very important, since it has been one of the first empirical studies of the given topic in our country on the sample of Taekwondo students.

METHODS & MATERIALS

Participants

The study involved 116 Taekwondo students, aged 18 to 24 years in the Mazandaran universities. The research was sampled in full .All subjects had at least five years of systematic and organized Taekwondo students training and competition. The examinees had been informed about the aim of the research, before the implementation of the survey. They were asked to participate and explained that they have the right to give up whenever they want.

Participation in the survey was voluntary. It was conducted by the authors of this paper with the permission of Taekwondo student's university clubs. The study was conducted in groups during regular training. Group size varied from 20 to 30 examinees. Filling out the questionnaire, on average, took about 60 min before a survey, the examinees were informed about the research and the ay of data safety protection, after which they signed an agreement on participation in the study. Their task was to circle the appropriate number on the scales. After a review of test materials, seven questionnaires that did not conclude answers to all items were discarded so that the monitoring of the program included the final sample of 116 Taekwondo students.

Research Design

The measuring instrument is an adaptation of the Adolescent Perceived Events Scale- Apes (α =0.89), which was made by Kurtović (2007) [7], Croatian translation of the Automatic Thoughts Questionnaire (α =0.97) – ČUPAM by Hollon & Kendall (1980), [19], which estimates some cognitive aspects of depression by Proroković & Zelić (2002) [20], a modified version of the questionnaire (α =0.87) by Sorić i Proroković (2002) [21]. The measuring instrument Ivanov i Penezić (1998) [22] consists of 10 items for which the examinee assesses the extent to which a general and stable sense of their success in dealing with a variety of stressful situations relates to them. The examinees determined the importance of each value on a five-level Liquert's scale, ranging from 1 (absolutely untrue for me) to 5 (absolutely true for me), with the possible range of scores from 10 to 50. Reliability of the scale measured by Cronbach alpha coefficient is.

Conducted factor analysis – applying main components analysis (Varimax rotation and the Kaiser-Guttman criterion for factor extraction), confirmed the tri-factor structure, which describes coping directed to the problem (α =0.88), feelings (α =0.84), and avoidance (α =0.87). The measuring instrument Hudek–Knežević (1994) [23] is an adapted version of the Social Support Appraisal Scale - SS, by Vaux and associates, which measures three aspects of social support: the support of family, friends, and support at work. The questionnaire consists of 24 items, the answers are given at the five-level scale from 1 – absolutely true for me to 5 – absolutely true for me, with the possible range of results from 24 to 120. Applying main components analysis (Varimax rotation and Kaiser-Guttman criterion for factor extraction), three latent dimensions were isolated: support of the family, friends, and coaches. The coefficients of internal consistency, Cronbach alpha, for individual subscales are (α =0.89, α =0.92, and α =0.87), and it can be concluded that certain statements reliably represent the overall result of the subscales.

The Croatian version of this measuring instrument by Vulić-Prtorić (2003) [24] contains 26 sets of 3 three items covering the visible symptoms of depression (sadness, sleep disorders, appetite loss, suicidal ideas, etc. The strength of a symptom is changed within each set of items, and the examinee selects one of the proposed sentences that describe how he felt in the last two days. Answers are scored with 0, 1, or 2 points, and the results range from 0 to 54 points, whereas a higher score indicates greater depression.

Statistical Analysis

The total result is calculated as a linear combination of all answers. Cronbach's reliability coefficient was (α =0.88). For analyzing the data, we used Kolmogorov-Smirnov Test for checking data normality, hypotheses were tested by using Pearson's correlation, and regression test (p≤0.05), by SPSS22 software.

RESULTS

The result of this indicates the fact that the distribution of the results in this test does not deviate significantly from a normal Gaussian distribution (p>0.20). Descriptive data on the measured variables in the survey sample are presented in Table 1a, 1b. Based on the distribution of values of arithmetic means and standard deviations, it is evident that the majority of junior Taekwondo sportsmen exhibit lower levels of depression, negative events, and negative subconscious thoughts without volition.

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Table 1a. Descriptive parameters on the subs	cales of mea	suring instru	uments	
ITEMS	MIN	MAX	Average	SD
Negative events	19.00	75.00	37.98	9.28
Automatic thoughts	29.00	145.00	60.02	24.01
Self-efficacy	9.00	49.00	37.00	5.99
Coping directed to a problem	15.00	80.00	54.97	8.72

Table 1b. Descriptive parameters or	n the subscales of 1	neasuring ir	nstruments	
ITEMS	MIN	MAX	Average	SD
Coping directed to a problem	15.00	80.00	54.97	8.72
Coping focused on emotions	17.00	84.00	52.03	11.00
Coping by avoidance	14.00	66.00	44.05	9.11
Family support	10.00	75.00	36.00	5.97
Friend support	9.00	39.00	32.96	5.44
Support of a coach	7.00	38.00	24.95	5.99
Depression	0.01	49.00	13.02	7.22

Table 2a, 2b shows positive and negative inter correlations of the measured variables. By examining the table, it was observed that all the tested variables showed a significant linear correlation with depression in the assumed directions. Low and moderate nonzero values of Pearson's correlation coefficients were in the range of (r=-0.17) for Coping by avoidance, too (r=0.67) for negative automatic thoughts. Taking into account the obtained values of the variables, prediction of an examined variable according to the test results of the second variable, with an estimation error of (p>0.95), can be expected.

ITEMS	1	2	3	4
Negative events	-			
Automatic thoughts	0.52***	-		
Self-efficacy	-0.05	-0.38***		
Self-efficacy	-0.05	-0.38***		
Coping directed to a problem	-0.05	-0.17**	0.59***	-
Coping focused on emotions	0.40***	0.57***	-0.21**	0.13**

Table 2b. Pearson's corre	lation coeffic	cients betw	ween exa	nined va	riables				
ITEMS	1	2	3	4	5	6	7	8	9
Coping by avoidance	0.05	-0.05	0.29	0.41	0.20	-			
Family support	-0.40	-0.29	0.31	0.19	0.05	0.17	-		
Friend support	-0.14	-0.19	0.29	0.30	-0.05	0.38	0.40	-	
Support of a coach	-0.29	-0.24	0.25	0.24	0.05	0.13	0.27	0.19	-
Depression	0.50	0.69	-0.41	-0.25	0.45	-0.12	-0.25	-0.26	-0.28

To test the interaction of predictor variables (negative events with negative unconscious thoughts without conscious volition, self-efficacy, problem-focused coping, emotion and avoidance, as well as the support of family, the Taekwondo sportsmen from the club and the coach), and the criterion of depression, in addition to correlation aspect, a series of hierarchical regression analysis was conducted. In the first step of each analysis, the predictors are categorized (Negative events and one of the possible moderators), and in the 2nd step, their mutual influence, to check whether it predicts the interaction of criterion variable of depression

Turkish Journal of Sport and Exercise /Türk Spor ve Egzersiz Dergisi 2021; 23(1): 24-32 © 2021 Faculty of Sport Sciences, Selcuk University after controlling the effect of the predictor in the first step (Table 3a, 3b).

Table 3a. Hierarchical regression analysis for depression criter	ion variable		
ITEMS	R	R ²	ß
Automatic thoughts			
1. Step Negative events	0.69	0.57	0.19
Automatic thoughts			0.59
2. step Negative events x Automatic thoughts	0.69	0.57	0.03
Self-efficacy			
1. Step Negative events	0.60	0.36	0.52***
Self-efficacy			-0.29***
2. Step Negative events x Self-efficacy	0.60	0.36	0.01
Coping focused on a problem			
1. Step Negative events	0.49	0.29	0.51***
Coping focused on a problem			-0.19***
2. step Negative events x Coping focused on a problem	0.49	0.29	0.02

ITEMS	R	R ²	ß
Coping focused on emotions			
1. step Negative events	0.60	0.29	0.28***
Coping focused on emotions			0.29***
2. step Negative events x Coping focused on emotions	0.60	0.29	0.05
Coping by avoidance			
1. step Negative events	0.52	0.26	0.50***
Coping by avoidance			-0.15***
2. step Negative events x Coping by avoidance	0.52	0.26	0.05
Family support			
1. step Negative events	0.56	0.31	0.39***
Family support			-0.19***
2. step Negative events x Family support	0.56	0.31	0.05
Friend support			
1. step Negative events	0.53	0.26	0.47***
Friend support			-0.20
2. step Negative events x Friend support	0.53	0.26	0.05
Support of a coach			
1. step Negative events	0.49	0.30	0.41***
Support of a coach			0.30
2. step Negative events x Support of a coach	0.49	0.07	0.05

After examining the significant nonzero beta coefficients beta in the cells of the matrix, at the level of significance (p <.05), it is obvious that no mutual effect showed significant effects on the criterion variable depression, except the marginally significant effect of mutual influence of negative events, family support, and Taekwondo sportsmen from the club. It did not confirm the hypothesis that these factors adjust the effects of negative events on depression criteria.

To define if the individual variable represents a mediator between the predictor and criterion [25] consider it is necessary to fulfill three conditions: (1) a predictor must predict the mediator, (2), the mediator must predict the criterion variable after the verification of the predictor, and (3) the mediator must be introduced in the final step of the hierarchical regression analysis. The effect of the independent variables in the interpretation of the

Turkish Journal of Sport and Exercise /Türk Spor ve Egzersiz Dergisi 2021; 23(1): 24-32 2021 Faculty of Sport Sciences, Selcuk University variance of criterion variable should not be statistically significant. Thus, if the impact of the predictor is greater than zero, but not statistically significant, then it comes to a complete mediator, and if the effect of predictors fell to a lower level, but it is still statistically significant, then it comes to a partial mediator.

Table 4 shows the results of the regression analyses used to investigate the first precondition, i.e. whether the predictor - negative events - predicts criterion variables: unconscious thoughts without conscious volition, self-efficacy, and the occurrence of observance and support of the family, Taekwondo sportsmen from the club and the coach.

Table 4. Contribution of a to the criterion				
ITEMS	R	R ²	ß	р
Automatic thoughts	0.51	0.19	0.50	0.05
Self-efficacy	0.05	0.01	-0.07	0.17
Coping focused on a problem	0.03	0.01	-0.03	0.12
Coping focused on emotions	0.40	0.12	0.41	-0.05
Coping by avoidance	0.08	0.03	0.07	0.13
Family support	0.43	0.16	-0.40	0.05
Friend support	0.15	0.00	-0.15	0.05
Support of a coach	0.35	0.09	-0.36	0.05

Bearing in mind the fact that negative events predicted unconscious thoughts without conscious volition, coping focused on emotions and social support, further analysis in the second step was carried out at the level of significance (p<0.05) only with the unconscious thoughts, coping directed to feelings, family support, support of Taekwondo sportsmen from the club and the coach. To control the second and the third step [25] claim that applied hierarchical regression analysis represents the precondition for defining if a certain variable represents a mediator about a predictor and criterion, whereas negative events belong to the first step and Coping focused on emotions, and social support belong to the second step to control if relations of negative events and depression are completely caused by these variables. Depression is caused by multiple agents, whereas it is assumed that incomplete agents for particular mediators would be obtained. Also, due to the mutual dependency between the mediators, there is a greater possibility of false mutual relationships

between variables. Thus, in the second step of hierarchical regression analysis, partial variables that represent important predictors of depression are noticed, which draws attention to their intermediate effects (Table 5).

A review of statistically significant nonzero beta coefficients, in the second step of hierarchical regression analysis of predictor variables (the unconscious mind without conscious volition, coping focused on feelings, family support, support of Taekwondo sportsmen from the club and the coach) indicated a significant partial effect in the interpretation of the variance of depression. At the same time, the impact of negative events in explaining the variance of depression after the introduction of additional independent variables (unconscious thoughts without conscious volition, coping directed to feelings and social support) in the analysis, is not statistically significant for the whole.

Table 5. Contribution of negative	events to depressi	on		
PREDICTORS	R	R ²	ß	р
1. step				
Negative events	0.50	0.26	0.50***	0.50***
2. step				
Negative events			0.03	0.08
Automatic thoughts			0.48***	0.41***
Coping focused on emotions	0.80	0.08	-0.20***	0.19**
Family support			-0.18***	-0.16***
Friend support			-0.09*	-0.07*
Support of a coach			-0.22***	-0.20***
*p < .05, ***p < .01				

Taekwondo player's population. From the point of view of the regression analysis, the results are reliable suggested that the linear correlation between the variables of negative events and depression, on the examined sample, was mediated by independent variables (unconscious thoughts without conscious volition, coping focused on feelings, family support, support of Taekwondo sportsmen from the club and the coach).

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DISCUSSION

The aim of this study was relationship between negative events and depression among Taekwondo students in Mazandaran university's. These findings do not confirm the hypothesis that the unconscious thoughts, a sense of general self-efficacy, coping skills and support of family, Taekwondo sportsmen from the club, and the coach, coordinate relations between daily negative events and depression of Taekwondo sportsmen in middle adolescence. On the contrary, the results hypothetically draw attention to the fact that the dependence of negative events and depression that occur every day is achieved by negative thoughts, coping focused on family support, support from feelings, the Taekwondo sportsmen from the club and the coach. However, we could be cautious in the interpretation of this new information, since we investigated the frequency of everyday psychological discomfort which is typical for the middle period of adolescence in a population of athletes. Having considered that experienced verification of such events was not investigated, it can be complex to conclude whether the amount and frequency of negative events predict depression in junior Taekwondo sportsmen and whether these relations can be interpreted by the main characteristics of the analyzed events.

Therefore, the hypothesis in this study that the negative automatic thoughts and inactive forms of coping with stress will be intensified, and that selfefficacy, active forms of coping and social support will alleviate the negative effects of the depression on Taekwondo sportsmen, is not confirmed, since there was no significant contribution of mutual contribution, although it turned out that the aforementioned factors predict depressive marks.

Fraizer et al. (2004) point out the fact that the intermediate effects are best manifested when the agent is not significantly associated with the predictor and criterion [26]. Given the fact that all possible mediators are in a significant correlation with depression and automatic thoughts, coping focused on emotions and social support with negative events, it is likely that this can explain the lack of expected related effects.

These authors consider it is likely that the unconscious mind without conscious volition, selfefficacy, coping strategies, and social support, directly affects depression, regardless of the level of negative events. Therefore, it is assumed that in the adolescent period of learning, coping and social support are not yet developed enough to stimulate the effects of stress, although to a certain extent they influence the development of depression.

The first important finding relates to the fact that the relations of negative events and depression are mostly caused by negative thoughts, feelings caused by coping and insufficient support of family, Taekwondo sportsmen from the club, and the coach.

Turkish Journal of Sport and Exercise /Türk Spor ve Egzersiz Dergisi 2021; 23(1): 24-32 2021 Faculty of Sport Sciences, Selcuk University According to a study Rose & Abramson [27], when negative events occur (disappointment, loss, failure, etc.) people are trying to understand the causes and consequences, and by reproducing the thoughts that are specific to these events, general cognitive style is formed. In their research Garber & Flynn, [28], argue that particularly unpleasant events can cause a comprehensive sense of hopelessness and despair, and individuals who believe they are subjects to these events, presumably develop a sense of hopelessness and lack of selfesteem. In a study Parker et al., [29], it was found that chronic negative experiences in adolescence contribute to the formation of negative cognition and depression in later life.

In their study Wadsworth et al., [30] state that: a) adolescents form abilities to apply coping skills during the period of maturing, b) under the influence of experience, their style of coping is subject to transformations, c) responds to stress mediate between stress and psychopathological symptoms and, therefore, later in life, they mitigate the effects of chronic stress conditioned by the unfavorable socio-economic situation. However, these findings did not determine whether the of greater amount everyday psychological discomfort increases an individual's susceptibility to depression in the way it influences their coping skills. Therefore, if an adolescent often experiences negative arousal, he will apply the skills that would reduce it, and not the skills that would adequately affect these negative events, particularly if there is not enough control over these events. To some extent, it explains the interdependence between large amounts of stress and higher levels of depression.

These findings have made clearer the fact that the mutual relationship of negative events and depression is caused by of lower perceived social support of parents, the Taekwondo sportsmen from the club, and the coach. Interpersonal stressful events have the most intense effects on mental health and emotional reactions, as is proved in the research by Scott et al., [11].

The results of correlation and hierarchical regression analysis in this study emphasize the fact that in the mid-adolescence of Taekwondo sportsmen, direct and indirect relationships of negative events and depression should be analyzed. Although many findings draw attention to the fact that depression may be the answer to major negative events, it is assumed that the dependence of everyday psychological discomfort with depression is caused by a negative experience, inactive coping, and insufficient social support. Our findings especially emphasize the fact that daily negative life events in the youthful age of Taekwondo sportsmen can lead to depression.

Obtained results on the predictive function of negative events, automatic thoughts, coping, and social support may contribute to the assessment of risk for development of depressive symptoms, as well as in the planning of therapeutic and preventive procedures for junior Taekwondo sportsmen. At the same time, the hypothetical findings of the possible ways in which negative events affect depression, give valuable information about the latent dimensions that should be taken into account with Taekwondo sportsmen who are under the stress. However, it is important to draw attention to the fact that the negative events variable in our research are only one of the factors that can help in the prediction of negative experience, coping, and the perception of social support with Taekwondo sportsmen in middle adolescence.

The main limitation of our study is the investigation of exclusively male examinees and the impossibility of comparing the relations of analyzed variables and depression in female adolescent Taekwondo players. Also, the intersection draft of our study does not allow concluding cause-and-effect relationships, as well as the comparison of the levels of depression and negative events with the senior Taekwondo sportsmen population.

From a theoretical point of view, this correlation- regression study enabled initial insight into the complex interrelationships of different predictor variables (as the cause), which may affect various components of depression (as a result). In addition to scientific testing of theoretical models, this work made possible a reliable comparison with the results obtained in other European countries, because a unique methodology that provides a starting point for further quantitative analysis and prediction of everyday negative events and depressive symptoms in the population of athletes, was applied. From a practical point of view, the findings of the conducted research could be particularly important in the diagnosis of depressive symptoms in junior Taekwondo sportsmen.

It is important to emphasize the fact that our transversal study had several methodological Turkish Jaurnal of Sport and Exercise /Türk Spor ve Egzersiz Dergisi 2021; 23(1): 24-32 © 2021 Faculty of Sport Sciences, Selcuk University limitations (relatively homogeneous sample, the lack of a theoretical frame of reference and research in this area, the collection of data in a very short period, the demographic characteristics of the analyzed samples, and a specific sample of junior Taekwondo sportsmen). Therefore, the possibility of interpretation and generalization of the obtained results is partly limited, which reduces its validity. The limitation is also applied to the sample selection and the cooperation with them. An additional limitation was related to the use of only questionnaires and self-assessment scales, so that in future studies it would be necessary to include other measuring instruments, with different types of stimuli, as well as techniques such as assessment by peers and Taekwondo coach. Despite the methodological limitations of this study and the impossibility of explaining and generalization to the entire population of Taekwondo sportsmen in Serbia, the obtained results are indicative and indicate the need for more extensive research in this area for a unique insight into this issue.

The present study investigated the relationship of predictor variables (negative events with the unconscious thoughts without conscious volition, self-efficacy, coping skills, and social support) on the depression of junior Taekwondo sportsmen (as a criterion).

In the analysis of the obtained values of Cronbach alpha coefficients of internal consistency, it was concluded that the applied questionnaires and scales in this study showed satisfactory homogeneity, and can be considered valid measuring instruments for further use and standardization in future theoretical and practical research of athletes in our environment.

Applied correlation and regression models showed with a certainty level of 95% that on the one hand, the predictors (automatic thoughts, feelings of general self-efficacy, coping strategies, and support of parents, peers, and the coach) affect the variability of the relations of daily negative events and depression of junior Taekwondo sportsmen. On the other hand, the results emphasize, with a probability of error (p <0.05), that linear mutual dependence of everyday negative events and depression of Taekwondo sportsmen, aged 18-24 years, are generated by independent variables of automatic thoughts, emotion-oriented coping, family support, support of Taekwondo sportsmen from the club and the coach.

Summarizing basic facts, it can be concluded that the following longitudinal researches should be conducted on a larger and more representative sample of examinees of different gender and ages, and in other sports, with additional statistical procedures, with the increasing number of questionnaires and scales, which would, by including new variables examine indicative correlations between daily negative events and depression, which would lay the foundation for new research of athletes population.

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