"BEING ABLE TO DO" VS. "DOING":RELATIONSHIPS BETWEEN TAKING RESPONSIBILITY IN CHILDHOOD, METACOGNITIVE AWARENESS,ANXIETY AND PARENTAL ANXIETY

Original Article

"YAPABİLİYOR" OLMAKTAN "YAPIYOR" OLMAYA: ÇOCUKLARIN SORUMLULUK ALMA DAVRANIŞININ, BİLİŞÜSTÜ YETİLER, KAYGI VE EBEVEYN KAYGISIYLA İLİŞKİSİ

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ABSTRACT

Aim: Parents commonly use homework as a mean to remind school age children of the necessity to take responsibility for one's own tasks. In this study, the relationships between taking responsibility, a nd a nxiety w ere investigated within the scope of the children's ability to "do their homework on their own."

Method: In this study, The Metacognitive Awareness I nventory (MAI) a nd S tate Trait Anxiety Inventory for Children (STAIC) were administered to 97 students who were attending 6th grade at a public school. The mean age of students was 11 years 4 months. The parents of these students, o n t he other h and, w ere administered with the State Trait Anxiety Inventory (STAI). Among the study participants; th e g roup of s tudents w ho completed their homework on their own and the group of students who completed their h omework w ith t he a id of t heir parents were comparatively analyzed.

Results and conclusion: Among the 97 study participants; 59 (60.8%) indicated on their scales that they completed their homework on their own, while 38 (39.2%) indicated that they completed their homework with the aid of their parents. Between the two groups, the differences with respect to the STAI and STAIC were statistically significant (p<0.05). The mean s cores f or S TAI a nd S TAIC w ere higher in the group in which children completed their homework with the aid of their parents. Metacognitive ability did not transform a mong th e c hildren i nto a tendency to perform tasks completely on their own appeared to be related to the anxiety expressed by these students and their parents, with the anxiety from the parents' part being more pronounced.

Key Words:responsibility,metacognitive awareness, anxiety, child, parent.

ÖZET

Giriş: Okul çağına gelmiş çocuklara, kendi sorumluluklarını almaları gerektiği hatırlatılırken referans gösterilen en belirgin işlev "ödevini yapması" dır. Bu çalışmada, "ödevini kendi başına yapmak" üzerinden, sorumluk alma, bilişüstü yetiler ve kaygı arasındaki ilişkilerin araştırılması amaçlanmıştır.

Metod: Bir devlet okulunun 6. Sınıfına devam eden, yas ortalamalari 11 yas 4 ay olan 97 öğrenciye, Bilişüstü Yeti Envanteri (BYE) ve Çocuklar için Sürekli Kayqı Ölçeği (CSKÖ) uvgulanmıştır. Ebeveynlerine de, eşleştirerek, Sürekli Kayaı Ölceği (SKÖ) verilmistir. Ödevini kendi yapan ve vardımıvla ebevevn vapan iki arup karşılaştırmalı analiz edilmiştir.

Bulgular ve Sonuc: Doksan yedi deneğin 59'u (%60,8) "ödevini kendisi yapan", 38'i (%39,2) ise "ebeveynden yardım alan" seceneğini işaretlemiştir. İki grup arasında, Bilis üstü Yeti Ölceği bakımından istatistiksel olarak anlamlı fark bulunmazken (p>0.05), SKÖ ve CSKÖ ölçekleri bakımından istatistiksel olarak anlamlı fark bulunmuştur (p<0.05). SKÖ ve ÇSKÖ ortalaması ebeveyn yardımıyla ödev yapan grupta kendisi yapan gruba göre daha yüksektir. Ölçek sorularına verilen yanıtlarda kayda deăer farklılıklar saptanmıştır. Üst bilişsel yetinin; kendi basına yapma eylemine, yani sorumluluk alma davranışına dönüsememesi, ebevevnlerin kavqıları öncelikli olmak üzere, aile ve çocuğun kaygı düzeyleri ile ilişkili olduğunu düşündürmektedir.

Anahtar Sözcükler: sorumluluk, biliş üstü yetiler, kaygı, çocuk, ebeveyn.

INTRODUCTION

Many variables have an effect on the mental development of t he c hildren. T he most important variables a mong these are family and school (1,2). The most evident act th at b rings th ese t wo i mportant environmental factors together in the same plane and also has an extreme place in the child's daily life in terms of frequency and

density i s d oing homework (3 ,4). Therefore, homework may be considered a fact that is as specific as possible, at which the e ffects of a II s hareholders c an b e observed together. Homework is one of the "clearest" functions expected from a child by s ociety a nd t he f amily in all communities (5).

Consequently, doina homework constitutes the most conflicting aspect between the parent and the child. The act of doing homework, by nature, allows for a unique observation for the psychiatric care personnel t o a nalvzet hei dentitv development, parental attitudes, parentchild c opperation (6) or c onflict, a nd th e factors of the school and teacher. The pedagogy l iterature c ontains m any interconflicting suggestions on how to do homework (7,8,9). The clinical impressions show t hat t he p arents o ften h ave complaints su ch a s, "He w on't d o h is homework if I don't remind him; he won't start if don't sit by him; he cannot do if I don't c heck." In order to p redict th is impression, o ne should d istinguish a bout how much these complaints of the parents are realistic, or if the failure to take on the responsibility to do the homework on his own is caused by a problem associated with the child or is related to the parent due to the concern of the child that he cannot properly do it on his own.

Flavell defined the concept of metacognition as "the regulation of any knowledge or mental activities or cognitive transactions making one reach his goals in every aspect," and as "cognition about cognition" in basic meaning (10). According to the a uthor, m etacognition is to h ave knowledge about one's characteristics, the nature o ft he cognitive t ransactions requiring completion, and the structure of the methods chosen for these tasks. It is expressed as ability for one to monitor and regulate h is ow n c ognitive p rocesses. Metacognition includes the knowledge of the I earner a bout t he c ognitive a ctivities involved in learning processes a nd t he regulation of s uch k nowledge $(1 \ 1)$. Cognition and metacognition are different concepts. C ognition includes p erception,

understanding, remembering, and such mental p rocesses. M etacognition i ncludes one's th inking a bout h is o wn p erception, understanding, remembering, and such mental processes (12). Weinstein and Mayer explain t he difference b etween cognition and metacognition by stating: "Cognition is the period during the information p rocessing, w hereas metacognition is t he k nowledge o f th e student a bout th e i nformation p rocessing period (13).

In the pedagogy literature, the contribution of parents to the act of doing homework is generally associated with three main factors: the belief that they have to contribute, the belief that their will provide contribution а positive difference, and the belief that the child also wants th eir c ontribution (3). One of t he objectives of the present study is to test the u sability o f th e "doing h omework" process, which has gained a place in the scientific field generally by being reduced to the "useful/useless" dilemma (14) in educational m eans, a nd in p sychiatry clinics f or o bserving, i dentifying, a nd rehabilitating the mental relation networks between the participating parties.

Based o n t his i nformation a nd t hese theories, t he p resent s tudy w as p lanned under the prediction that it would measure the d evelopment o f a s ense o f responsibility through doing homework on one's own (remembering, planning, and completing) by establishing an analogy for doing homework and taking responsibility.

Most cases of bullying consist of relatively "light" verbal attacks (11). As the harm in flicted is g enerally o f a psychological nature, it is not difficult for the bully to present excuses or to defend him/herself by saying that he/she "was only joking" (12).

Cases of bullying are becoming gradually and consistently more common in clinical practice. T he a im of t his re view w as t o evaluate bullying more comprehensively; to d emonstrate w hat i s d one a round t he world about bullying; and to present practical solutions to this phenomenon.

METHODS

In this review, we first scanned the key words "school bullying" on the Medline, PsychINFO, a nd Google S cholar se arch engines. In a ccordance with the aims of the l iterature re view, ou r e valuations included research articles performed since the 1990s that considered bullvina comprehensively from a psychological and social c ontext, a nd w hose p rocedural designs satisfied the relevant scientific criteria. The authors of the current study thus focused on studies that evaluated the personality structure and identity of bullies, the nature of the bully-victim and relationship. Articles that were considered to reflect the specific and unique conditions of t he c ountry i n which t hey w ere published were excluded from the review, on t he g rounds t hat t he r esults o f s uch articles would not be generalizable.

Junior M etacognitive A wareness Inventory:

The J unior M etacognitive A wareness Inventory (JMAI) was developed by Schraw and D ennison, a nd t he c hildren's v ersion was designed by Sperling, Howard, Miller, and M urphy (15,16). T he JM AI w as adapted into Turkish by Aydın and Ubuz. The JMAI includes two dimensions as "knowledge of cognition" and "regulation of cognition" (17). The questionnaire items 1, 2, 3, 4, 5, 11, 12, and 13 constitute the "Knowledge o f C ognition" s ubdimension, whereas items 6, 7, 8, 9, 10, 14, 15, 16, and 17 c onstitute the "Regulation of Cognition" subdimension. The inventory is a five-point Likert scale with options of 1-Never, 2-Rarely, 3-Sometimes, 4-Often, 5-Always. The original scale consisted of 18 items and did not contain any negative phrases. The scale adapted into Turkish consists of 17 items with a lowest score of 17 points and a highest score of 85 points.

State-Trait A nxiety Inventory f or Children:

The S tate-Trait A nxiety I nventory f or

Children (S TAIC) w as d eveloped b y Spielberger in 1973 (18). The inventory is a measurement tool based on the state and trait anxiety assessments of children (aged 6-14). It is a version of State-Trait Anxiety Inventory (S TAI) d eveloped f or a dults, which is simplified for children. The number of options for each item is four in the adult version and reduced to three in the children's version. The scale was translated into Turkish and the application study was conducted by Ozusta (19). The present study used only the "Trait Anxiety" portion of the inventory based on the study objective (S TAIC-T). The scale a ims to measure i ndividual d ifferences i n t he predisposition to anxiety. It consists of 20 items. The lowest and highest total scores are 20 and 60 points, respectively.

State-Trait Anxiety Inventory

The State-Trait Anxiety Inventory (STAI) was developed by Spielberger, Gorsuch, and Lushene in 1970 and adapted into Turkish by N. Oner and A. Le Compte (20,21). The scale measures state and trait anxiety levels in individuals above 15 years of age. It is a Likert-type self-assessment scale with two separate scales, consisted of 40 items in total, each of which consists of 20 items. The present study used only the anxiety" "trait portion of the inventory(STAI-T). The S TAI-T h as s even (items 21,26,27,30,33,36,and39) reversed phrases. The total score varies between 20 and 80 points. A higher score indicates a higher level of a nxiety, w hereas a I ower score indicates a lower level of anxiety.

Data Analysis

The d ata w ere a nalyzed on computer using SP SS 21 .0 p ackage (Statistical Packages of Social Sciences). The compatibility of the data with normal distribution was evaluated using the Kolmogorov-Smirnov test. Descriptive statistics were expressed in mean ± standard deviation for continuous variables, a nd f requency a nd p ercentage for c ategorical v ariables. T he n ormallydistributed data of two independent groups were compared using the independent twosample t-test. The non-normally distributed data were compared using Mann-Whitney U-test. The independent predictors for the status of doing homework were analyzed using logistic regression analysis. The Hosmer-Lemeshow t est w as u sed f or the model g oodness of f it. T he intergroup difference w as c onsidered significant i n case of p < 0.05. C ronbach's a lpha w as calculated to evaluate the reliability of the questionnaire.

RESULTS

Fifteen subjects were excluded from the study since s even d id n ot f ully c omplete the scales and eight could not be administered the parent scale. Among 97 subjects included in the study, 59 (60.8%) marked the option "doing homework on his own" and 38 (39.2%) marked the option "requesting help from the parent". Among the subjects, 43 (44.3%) were female and 54 (55.7%) were male; the mean age (month) and standard deviation was 136.25 ± 5.50 months (approx. 11year and 4 months). The minimum age was 124 months (10 vears and 4 months), and the maximum a ge w as 149 months (12 years and 7 months). The mean ages of the groups were compared using independent two-sample t-test. Accordingly, there was no statistically significant difference in mean a ge between t he g roups (p>0.05). The mean scale scores were compared using t he i ndependent tw o-sample t -test between those who did homework and who did not.

Table 1 presents the mean and standard deviations from the scales by groups and of the result the statistical test. Accordingly, there was no statistically significant d ifference i nt erms of J MAI between the student groups who did the homework on their own and those who did not (p > 0.05); w hereas t here w as a statistically significant difference in terms of STAI-T and S TAIC-T scales (p < 0.05). The mean STAI-T and STAIC-T were higher in the group who did homework with the help of a parent (Figure1).

	ŀ	Iomework				
1.	doing homework on his/her (N=59)	owndoing homework wi parent (N=38)	vndoing homework with the help of parent (N=38)			
	Standard Mean Deviation	Standard Mean Deviation	P value			
JMAI	62.25426.91473	60.6053 6.62322	0.247			
STAI -T	36.77974.15256	45.0263 6.06936	0.000**			
STAIC- T	29,57633.38966	33.5526 4,81943	0.000**			

Table 1 C r • 6.41 1100 • 41 . . 41

Table 1:Comparison of the difference in the mean scale scores by the status of doing homework on his own or with the help of a parent

** p<0.001 statistically significant



Figure 1: Graphic for mean \pm 2 standard deviations of the scales by groups

Table 2 presents the comparison of mean scale s cores b y g ender. T he d ifference between the scales by gender was not statistically significant (p>0.05).

1	Gender				
	Female		Male		
		Standard		Standard.	Pivalue
	Mean	Deviation	Mean	Deviation	
IMAI	61.3721	6,75779	61.7963	6.91834	0,762
T-IAT	39.9070	6.68621	40.0926	6.22917	0.888
STAIC-T	31.0000	4.75094	31,2407	4,21558	0.792

Table 2: Comparison of difference in the mean scale scores by gender

A model was created using a logistic regression a nalysis i n order t o p resent which one of two results (doing homework on his own/requesting help from the parent) had a higher possibility for realization based on the v alues of t he independent v ariable(s). A mo del w as created using a logistic regression analysis in order to present which one of two results (doing homework on his own/requesting help from the parent) had a higher possibility f or realization b ased on the v alues of the independent w and the parent of two results (doing homework on his own/requesting help from the parent) had a higher possibility f or r ealization b ased on the values of the independent variable(s).

Since t he me tacognitives kill w as statistically proven not to affect the quality of d oing h omework in t he s ingle-variable analysis, it was not included in the model as a n i ndependent v ariable. W hen t he dependent variable was homework and the independent v ariables w ere S TAI-T a nd STAIC-T, the STAI-T parameter was statistically significant to affect the quality of homework act (p<0.05) (Table3).

Variables	11.	Odds Ratio 95% Confidence Interval		t
	Odds Ratio	Lower	Upper	Ptalue
STAL-T	1.380	1.2.09	1.575	×000
Sabit	000		1.	*000

Table 3: Logistic regression analysis

The median values for the responses to the JMAI, STAI-T, and STAIC-T questions were compared according to the groups by using Mann-Whitney U-test. Cronbach's alpha was calculated for the reliability of the scales. For all three, it was concluded that the responses had an internal consistency, i.e. the scales had a high level of reliability (JMAI,0.827;SAI,0.856;and STAIC, 0.788).

There w as a s tatistically s ignificant difference i n JMAI qu estions 5 and 1 3 (p<0.05). The mean of the group who did homework on their own was higher than those who did by the help of the parent (Table4).

There w as a st atistically si gnificant difference in STAI-T questions 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, and 20 (p<0.05). This result is associated with the fact that the group who did homework with the h elp of a p arent had a h igher mean value t han those w ho d id ho mework o n their ow n. T he m ean v alue of t he g roup who did homework on their own was higher only for the question 10 compared those who did homework with the help of a parent (Table5).

There was a statistically significant difference in STAIC-T questions 2, 4, 7, 8, 9, 12, 13, 14, 15, and 18 (p<0.05). The group who did homework with the help of a parent had a higher mean value than those who did homework on their own (Table6).

JMAI items	doing homework on his/her own	doing homework with the help of a parent	
the second second second second	Mean±S .Deviation	Mean±S.Deviation	p value
I. I know when I understand something.	4.13±0.73	4.10±0.64	0.783
2. I can make myself learn when I need to.	3,89±0.71	3.89±0.72	0.984
I try to use ways of studying that have worked for me before.	3.79±0.79	3,78±0.66	0.858
4.I know what the teacher expects me to learn.	3,98±0,79	3,92≞0.72	0.579
5,Ilearn best when I already know something about the topic.	4,16±0.74	3,71±0.86	0.013*
6. Idraw pictures or diagrams to help me understand while learning.	3.81±0.84	3,55±0.60	0.082
7. When I am done with my school work, I ask myself if I learned what I wanted to learn.	3.79±0.80	3,68±0.66	0.368
I think of several ways to solve a problem and then choose the best one.	3.45=1.02	3,50±0.83	0.766
9. I think about what I need to learn before I start working	3.30±0.83	3,47±0,76	0.322
10. I ask myself how well I am doing while I am learning something new.	2.45±0.81	2,50±0.72	0.690
11. I really pay attention to important information.	3.52±0.83	3,42=0.82	0.549
12. I learn more when I am interested in the topic.	3.79±0.82	3,55±0.72	0.202
13. I use my learning strengths to make up for my weaknesses.	3.77±0.81	3,42=0.72	0.028*
14. I use different learning strategies depending on the task.	3.77±0.74	3,50±0.76	0.100
15. I occasionally check to make sure I'll get my work done on time.	3.23±0.70	3,28=0.65	0.796
16. I ask myself if there was an easier way to do things after I finish a task.	3.61±0.66	3,60±0.75	0:750
17. I decide what I need to get done before I start a task.	3,76±0,72	3,73±0.75	0.869

Table 4: Comparison of JMAI responses between groups (N=97)

	doing homework on his her own	doing homework with the help of a parent	
S TAI-T items	Mean±8 Deviation	Mean±8 Deviation	p value
1.I feel pleasant.	2.55=0.53	2.65±0.48	0.393
21 feel nervous and restless.	196±0.45	2:22=0:45	0.001*
3 J fael like crying.	1.91±0.67	2.47±0.64	*000.0
41 wish I could be as happy as others seem to be.	2.69±0.81	2.57±0.50	0.605
5.1 am losing out on things because I can't make up mind soon enough	2.18±0.43	2.23±0.43	0.597
6 I feel rested.	1.98±0.54	2.47±0.50	*0000.0
7 I am calm, cool and collected	1.83±0.56	2.44±0.55	*000.0
8.1 feel that difficulties are piling up so that I can not overcome them.	193-0.48	2.18±0.56	0.021*
9.1 worry too much over something that really doesn't matter.	1.6420.48	2.07±0.48	*000.0
10.1 am happy.	3.18±0.57	2.36±0.48	* 000.0
11.1 am inclined to take things hard.	161±0.55	2.02±0.59	0.001*
12.1 feel inadequate	14420.53	2.05±0.56	*000.0
13.1 feel secure.	13520.51	2.00±0.73	0.000*
14.I try to avoid facing erisis or difficulty.	2.08=0.56	2.21±0.41	0.287
15.I feel blue.	1.7240.44	2.13±0.41	0.0004
16.I am content	1.61±0.71	2.23±0.67	0.000*
17. Some unimportant thoughts runs through my mind and bothers me.	1.32±0.60	2.23±0.71	0.000*
18. I take disappointments so keenly that I can't put them out of my mind .	1.37±0.52	1.97±0:59	0.000*
19.1 am a steady person.	1.88±0.76	2.15±0.59	0,061
20.1 get in a state of tension or turnoil as I think over my recent concerns and interests.	1.89±0.51	2.31±0.57	0.001*

Tablo 5: Comparison of STAI -T responses between groups (N=97)

	doing homework on his her own	doing homework with the help of a parent	
QSKÖ somlær	Ort=S Sapma	Ort=S.Sapma	Pdeğeri
1, I worry about making mistakes.	1.72±0.44	1.81=0.39	0.328
2. I feel like crying.	1.10±0.30	1.28±0.45	0.018*
3. I feel unhanov.	1.72±0.44	1.81=0.39	0.328
4. Thave trouble making up my mind.	1.38±0.49	1.73±0.50	0.002*
5. It is difficult for me to face my problems.	1.54±0.50	1,55±0.50	0.921
6. I worry too much.	1,37±0.48	1,42±0,50	0.637
7.1 get upset at home.	1.28±0.45	1.60±0.49	0.002*
8. I am shy.	1.49±0.50	1.81±0.45	0.003*
9, I feel troubled.	1.20±0.40	1.50±0.50	0.002*
10. Unimportant thoughts run through my mind and bother me.	1.64±0.58	1.65±0.53	0.835
11. I worry about school.	1.94±0.65	1.94±0.65	0.990
12. I have trouble deciding what to do.	1,37±0.48	1.81±0,51	\$*000,0
13. I notice my heart beats fast.	1.38±0.49	1.78±0.41	*000.0
14. I am secretly afraid.	1,38±0.49	1,65±0,53	0.016*
15. I worry about my parents.	1.72±0.50	2.42±0.45	0.010*
16. My hand get sweaty.	1,42±0.49	1.55±0.50	0.217
17. I wony about things that may happen.	1.66±0.47	1,65=0,48	0.975
 It is hard for me to fall asleep at night. 	1.50±0.50	1.81±0.39	0.002*
19. I get a formy feeling in my stomach.	1,10±0,30	1.23±0,45	0,074
20, I worry about what others think of me	1.61±0.55	1.68±0.47	0,411

Tablo 6: Comparison of STAIC-T responses between groups (N=97)

DISCUSSION

Doing h omework i s o ne o f t he b asic behaviors for "taking responsibility," which is expected from the children by society. Homework is given by the teacher and usually t he p arent i s c onsidered t he "controller," and therefore it is an act as specific as possible, since it brings two main a uthority f igures to gether o n th e same plane (22).

Doing homework is a behavior for taking responsibility, e xceeding c ognitive a nd metacognitive skills. There is no significant difference in metacognitive skills between the groups that can be interpreted as "the awareness of actualization," suggesting the presence o f ot her f actors. F irst, t he " he doesn't do/he can't do" statement, which is often expressed by the parent and sometimes by the child, appears to be associated with anxiety for both parties. In particular, the negative gualitative effect of parental anxiety on the act of doing presented through a homework was regression analysis. As parental anxiety increases, the risk/probability for doing the homework "together" increases, as well. On the other hand, child anxiety does not significantly affect the guality of the act of doing homework.

The underlying basic question of Piaget's theory of mind is how people understand the world. At the end of h is studies, h e concluded that people knew the world by means of acts rather than observations (23). In other words, when a child "does" any draft that he "can do" such as homework, it means that his sense of responsibility becomes strong, he becomes familiar w ith h is e nvironment, a nd he discovers his own limits, beyond a simple academic function. The subject age of 11 in the p resent s tudy s uggests th at the children are at the stage for transition to adolescence. O ne of t he m ost i mportant parameters of mental d evelopment f or adolescence is "taking responsibility (24).

Giving h omework t o b e d one a t h ome causes two authority figures that have an effect on the child - school and family - to become the simultaneous leading actors over a single act. Therefore, the school and family presentations, i.e. the mental structuring of the teacher and the parent, have a first-degree effect on the quality of the act. This explains the "he will not do if I don't tell" statement in our clinical observations and the relatively higher level of parental anxiety from the findings of the present study.

It is r emarkable t hat c hild a nxiety w as relatively h igh b esides t he p arent i n t he group where the responsibility was shared with t he p arent (the h omework w as completed t ogether). We d o n ot k now if the children and the parents included in the present study h ad " anxiety d isorders;" however, t he d ata f rom t he i ntrafamilial studies suggest that this is not a rare case (25). T he q uestion f or w hich o ne i s t he primary or how the intrafamilial anxiety is structured comes to mind, but the exact answer i s u nknown (26). H attema et a l. defined the genetic transmission at 30-40%, but some authors argue that the environmental factors are underestimated (27, 28).

These findings e xplain t he rol es of environmental/psychosocial factors such as family and school on the anxiety formation. The internal relations were reported to vary in fa milies co mpared a s a nxious a nd n ot anxious (29,30,31).

The p henomenon, which is a lways different between two groups and which is significantly h ighlighted, i s pa rental control. T he m ain t heme b etween t he parenthood literature a nd t he anxiety literature a ppears a s " the structure o f control." B ehavioral c ontrol i s g enerally defined by the triad of management, regulation, and supervision (32).

The act of doing homework "together" constitutes one of the most concrete examples of control since it usually covers this triad. The point that should be highlighted here is that parental control is justified by the school within the context of homework, and by society within the context of taking responsibility from a large-scale perspective. Today, the school system usually sets conditions beyond recommending parental control to a certain extent for the target of a cademic development/progress. W e w itness t he despair of the parents during the clinical applications for professional help, who are stuck between the control directives from the school and the fact that autonomy and taking responsibility are important for the healthy m ental de velopment o f th e children, unfolding the truth that the differences between disciplines and methods can sometimes be devastating. It would n ot b e a surprise if t his sense of despair increases anxiety. However, it has been demonstrated that the parenting method generally affects academic success in school - age children and the direct control - such as in doing homework affects success negatively (33).

Another problem caused by direct control is the child's feeling towards insufficient confidence from the parents (34). Whaley et al. reported that autonomy was the most damaged field in relations of the anxious p arents w ith t heir c hildren (35). Similar f indings a lso s tand o ut i n t he studies investigated from the child's perspective. Messer and Beidel reported that t he a nxious c hildren p erceived t heir parents a s "not s ufficiently s upportive o f their independence (36).

One limitation of this study is the hypothesis that the cognitive skills of the students from the same school, same age group, a nd same g rade a re similar, b ut measured i ndividually, d espite t he exclusion of the probabilities for Intellectual Disability, Attention Deficit-Hyperactivity D isorder a nd L earning Disorder reduce academic functionality. Another limitation is excluding those who first re quested t o d o t he h omework together.

Conclusions

The association between the

skills "metacognitive and academic responsibility," w hich is e valuated a s a n untouched field in addition to the "cognitive skills and academic success" association examined in many studies, should be examined in a more extensive manner. The potential c ontribution of the behavior f or taking r esponsibility - which may be ignored by the parents ("he will fall behind if I don't do it") and the school system ("he will fall behind if you don't do it") for the sake of short-term academic success - to permanent a cademic success should be investigated. It is believed that psychiatric clinics, e specially those d ealing with t he problems of c hild/parent environment/association, should benefit from the metacognitive concept, which is the subject of pedagogical researches thus far.

The child/parent relation and processes in the development of the attitude for taking responsibility, w hich w e d iscussed w ithin the c oncept of h omework i n t he p resent study, constitutes a rich literature, but still holds some themes for new studies as a subject

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