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ABSTRACT

Background: Parent education is one of the family-based treatments that has been shown to be effective in managing many of the disruptive behaviors displayed by children with ADHD. **Purpose** of the study: It was aimed to assess the effectiveness of an educational intervention program on psychosocial problems, and coping strategies of parents of children with attention deficit hyperactivity disorder. **Hypothesis:** '- Parents will have lower level of psychosocial problems on posttest than pretest. Y- Parents will have more coping strategies on posttest than pretest. **Design:** A quasi experimental research design was utilized in this study. Setting: This study was conducted at the outpatient of the Psychiatric & Mental Health Hospital in Benha City. Subjects: This study was carried on γ parents of ADHD children. **Instruments of data collection:** Two instruments were used for data collection: Instrument One: consists of two parts: Part one: Social characteristics, Part Two: Psychosocial Problems of Parents Scale. Instrument Two: Parental Coping Strategies Scale. **Results:** On posttest psychosocial problems of parents differ significantly at pre and post intervention session $(p > \cdot, \cdot \circ)$, a highly statistically significant difference was observed between the pre and posttest mean score of Coping Strategies Scale (p<·.··). **Conclusion:** Parents education is important help parent to have less psychosocial problems than before and improve their coping strategies . **Recommendations:** Collaboration between parents, teachers, health care services, and the community should work to prepare a correct environment for children in their developmental stages

Key words: Psychosocial, Coping, Attention deficit; Hyperactivity; ADHD, Nursing, Benha.

Attention Deficit Hyperactivity of Disorder (ADHD) is considered the most common psychiatric disorder affecting [¬]- ¹/_° of children worldwide. Once [†]/₁

considered to occur only in children, ADHD has now been well documented to persist into adolescence and adulthood in approximately half of childhood cases. Recent data suggests that the prevalence of ADHD in adults $\pounds. \pounds. \%$. Although recognition of it in adults has grown in recent years. It remains vastly underrecognized and undertreated as only $\. \.\circ.\%$ of adults with the disorder are diagnosed and adequately treated (Adler et al., $\.\%. \circ$).

The individual societal and familial costs due to untreated ADHD across life span are vast and result in of higher rates academic underachievement, unemployment, under employment, divorce, marital separation, early-onset substance abuse, cigarette smoking and more vehicle accident. All these factors highlight the importance of making an accurate diagnosis of ADHD in children, adolescence and adulthood (Adler et al., $\gamma \cdot \gamma \circ$).

There are numerous considerations to bear in mind in the management of ADHD. Whilst drugs are a mainstay of treatment, changes in psychological and other domains of functioning are essential if patients are to capitalize on the improvements in the core symptoms of ADHD with treatment (Schellack &Meyer Y,)Y).

For Pre-school children; drug treatments are not recommended in this age group due to the unknown long term effects on brain development. They take longer to clear the drug from their body, and have higher rates of adverse effects. Referral to a parent training program for behavioral management should be the first treatment, ideally with specially trained facilitators. Group-based parent training for conduct disorder should be available whether a child has a diagnosis of conduct disorder or not. Parents should have access to eight to 17 sessions. With consent, nursery or preschool careers should be informed about ADHD and any special requirements (Bolea-Alamañac et al., $\forall \cdot \uparrow \xi$).

In relation to School-age children; for those with moderate impairment, parent education either alone, or with group CBT for the child, should be considered. Those who continue to suffer significant impairment despite intervention should be offered pharmacological intervention. Those

diagnosed with severe ADHD should be offered stimulants as first-line а treatment, though not if there is a history or family history of cardiac problems. Teachers trained regarding ADHD should help to provide interventions in school as improvement in behavior at correlate home do not with an improvement in behavior at school Intercollegiate (Scottish Guidelines Network, $\gamma \cdot \cdot \gamma$).

There various treatment are interventions to ADHD, but parents play a key role in modifying maladaptive behaviors of the children; hence, it is notable that relieving parental stressparticularly mothers-in the first step may elaborate mental health of parents and prepare them to do their parental roles better. One of the most influential programs to control such behaviors is "positive parenting program" (triple P). This therapeutic method derived from clinical experiences and studies is related to a division of family therapy for parents of children (aged two to 12 years) who are now at risk of emotional/behavioral disorders.

According to Mulqueen, $\gamma \cdot \gamma \gamma$, parental interventions are effective treatments for preschool ADHD children. Moreover. training and medication parent management have more effect on ADHD children. Parent training has a positive effect on ADHD children's behaviors and may reduce parents' stress and increase confidence. Furthermore. their combination of behavioral parent training medication and therapy was more effective leading significant to improvement in subjects (Zwi et al., ۲.11).

Parents must learn to use stress management methods. such as meditation, relaxation techniques, and exercise to increase their own tolerance for frustration so that they can respond more calmly to their child's behavior (Ball, $\gamma \cdot \cdot \gamma$) when parents have a thorough understanding of ADHD management strategies, they can plan and provide day activities that successfully include the child with ADHD. Therefore, parents' education programs must be carried out in groups to help children as

well as their parents how to deal with their difficulties (Al-Mahmoud, $(\cdot,))$).

Purpose of the Study

This study aimed to assess the effectiveness of an educational intervention program on psychosocial problems, and coping strategies of parents of children with attention deficit hyperactivity disorder..

Research Hypothesizes

Y- Parents will have lower level of psychosocial problems on posttest than pretest.

Y- Parents will have more coping strategies on posttest than pretest.

Sampling

Research design

A quasi experimental research design was utilized (pre and posttest)

Setting

The study was carried out in the outpatient of the Psychiatric &Mental Health Hospital in Benha City, which is affiliated to General secretariat in Egypt.

Sampling

The studied sample was is a convenient sample that included \mathcal{V} , parents and their children with ADHD has been selected from psychiatric out-patient clinic in according to:

Inclusion criteria

- Both mother / or father

- The age of the children is between 3-17 years old.

Instruments of data collection: The following tools were used for data collection:

Instrument One: consists of two parts:

<u>**Part one includes</u>**:: Social characteristics of parents and children</u>

This part was developed by the researchers included data about children's age, sex, order in the family, number of siblings, level of education of parents, children's level of education, history of any psychiatric disorder, onset of ADHD, parent consanguinity.

Part two:- Psychosocial Problems of Parents Likert Scale. It was developed by Pruyn(19Λ), It included 1Λ items with seven subscales as follows: data about uncertainty about prospect of disease, uncertainty about access to help and about how to solve problems, fear for negative consequences for the child, fear of negative consequences for the parents, control. loss of self-esteem. and depression with four respond Likert scale, response was coded into

rarely	ź
a little bit	٣
quite a lot	۲
very much	١.

Instrument two:

Parental Coping Strategies Likert Scale developed by Yeh $(7 \cdot \cdot)$. This scale was used to evaluate the used coping strategies for parents. The scale included $(7 \land items)$ grouped into 17 subscales , namely : learning (9 items) , struggling (1 items) , interaction with patient (7 items) , interaction with spouse (7 items), interaction with healthy sibling $(9 \circ 100 \text{ km})$ items), Emotional support (ε items), (information support (\circ items), Actual support (ε items), maintaining stability(\wedge items), maintaining an optimistic state of mind (\neg items), searching for spiritual meaning (ε items), increasing religious activities (ε items).

Reliability analysis of the scales for psychosocial and the role of education for their child and about problems and coping strategies reveals satisfactory prevalence's and life expectancies. On many issues Cronbach's alphas, ranging from \cdot . $\forall \epsilon$ for 'fear for more than half of the parents up to nearly all of the negative consequences for the child' to \cdot . $\P\circ$ for parents have these needs for information. Comparing coping: 'cognitive and behavioral avoidance'

Procedures

A consent to conduct the study was taking from the hospital director, the researchers contacted to the parent to explain the purpose and procedure of the study and determine the available time to demonstrate the educational session.

- Parents were interviewed individually to collect pre-assessment data related to socio-demographic, psychosocial problems and coping scales for γ weeks twice /week.

- Eight sessions distributed on \wedge weeks twice /week, it were provided for each parents individually , each session was from $\forall \cdot$ to $\leq \circ$ minutes

- Each session had its own title and objective according to its content.

- Parent was interviewed individually to collect post-assessment data related to anxiety and coping scales for Υ weeks twice /week.

Ethical Consideration

- Ethical approval has been obtained before data collection from the Dean of the faculty of nursing.
- An official permission to conduct the current study was obtained from the director of psychiatric out

 patient's clinic, the from the general secretariat for mental health in Egypt.
- Confidentiality of each subject was protected by putting code for each

one instead of using subject's name.

<u>A pilot study</u> has been carried out on \circ parents selected from the previously mentioned setting according to the chosen inclusion criteria to ascertain the applicability and time needed to accomplish the assessment. Parents in the pilot study have been excluded.

Field work

This study has been carried out through three phases: preparatory, program implementation and evaluation.

Phase I: preparatory phase:

This phase was concerned with obtaining an official permission from the hospital director of the selected setting. This was to explain the purpose of the study and to facilitate data collection and assessment of parents' needs.

Phase II:

Program development

Based on the results obtained from the previous phase (phase one), and review of the related literature, the educational program was developed in order to provide the parents with needed information and enhance their coping strategies with their children.

Program implementation

The program was implemented to all the studied subjects. They were classified into \circ groups and each group composed of \neg subjects. The program was implemented in the form of sessions which lasted for about $\neg \cdot = \circ$ minutes and $\neg \cdot$ minutes for break. Each group attended sessions, scheduled as \neg sessions per week (Sunday-Wednesday) for duration of about ε weeks. The program was extended for \circ months and, started from February, $\neg \cdot \uparrow \neg$ to the end of September, $\neg \cdot \uparrow \neg$.

The first session included parents' and children assessment. The rest of the sessions of the program covered the following according to the parents' needs: Parents orientation regarding the disease (signs and symptoms), behavior management strategies, and behaviors modifications concerning; school intervention, common drugs used, and stress management.

Session title

The 'st session: Clear the session purpose, gain parent permission to participate, and collect pre-assessment data related to socio-demographic, psychosocial problems and coping scales

The Ynd session: Definition, prevalence and types of ADHD.

The "rd session: Causes of ADHD and recognize signs and symptoms of ADHD.

The *t***h session:** Identify the ways of prevention of ADHD and different treatment modalities.

The •**th session:** recognizing coping methods with ADHD children.

The `th session: Carrying out child behavioral modification plan

The V**th session:** Methods and strategies of child behavioral modification

The **^th session:** Summarize the content of all previous session, and collect post-

assessment data related to psychosocial problems and coping scales

Phase III: Evaluation phase

This phase concerned with the evaluation of the implementation of the program immediately after the program implementation (Phase ^Y) by reapplying the questionnaire of the research tool. Statistical analysis : Data were analyzed using SPSS windows statistical package version 1^{ξ} . Numerical data were expressed as mean ±SD, and range. Qualitative data were expressed as frequency and percentage.

Results

Table (1): Sociodemographic characteristics of children with ADHD.

Sociodemographic characteristics of children	N	%
Age		
٦_	11	٣٦.٦٧
۹_	٨	۲٦. ٦٧
<u>>17</u>))	٣٦.٦٧
Range 7 - 7	۲	
	\pm \cdot \cdot \cdot \cdot \cdot	
Gender		
Male	۲٥	٨٣.٣٣
Female	٥	۱٦ _. ٦٧
Grade	· · · · ·	
The first	٥	14.75
The second	٥	۱۳.۷۹
The third	٣	١٠.٣٤
The fourth	١	٣.٤٥
Fifth	17	00.11
School Type		
Government	۲٥	۸٦ ۲۱
Government by Merging classes	0	١٣.٧٩
Birth order		
The first	۲.	٦٦ <u>.</u> ٦٧
The middle	٦	۲۰.۰۰
The last	٤	١٣.٣٣
Number of brothers \ sisters:		
One	1 £	٤٦.٦٧

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Table (^Y): Sociodemographic characteristics of parent children with ADHD.

Social characteristics of pare	Ν	%
Parent		
Marital status of the parents		
Married	۳.	۱۰۰_۰۰
Father's education		
Illiterate	٨	۲٦.٦٧
Secondary	١٤	٤٦ _. ٦٧
University education	٨	۲٦ <u></u> ٦٧
Father's job		
Employee	۲۷	٩٠ _. ٠٠
Worker	٣	١٠٠
Mother's education level		
Illiterate	١	٣ <u></u> ٣٣
Reads and writes	٣	١٠.٠٠
Basic education	١	٣_٣٣
Secondary	٦٢	٤٣_٣٣
University education	١٢	٤٠.٠٠
Mother's job		
Employee	٤	١٣_٣٣
House wife	77	۸٦ ٦٢
Residence		
Rural	77	٨٦ ٦٢
Urban	٤	17.77

 Table ("): Clinical data of children with ADHD.

Clinical data of children	Ν	%								
Age at onset of the disease										
From ' year	١٣	27.77								
From ^۲ -° year	١٣	٤٣_٣٣								
From ٦y	٤	۱۳_۳۳								
Positive family history	·									
No	٣.	١٠٠_٠٠								
Parent consanguinity										
First degree	٥	। ন _. বপ								
Second degree	٤	۱۳_۳۳								
Non-relatives	۲۱	۷۰.۰۰								
What are the symptoms that have	appeared on the o	child?								

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Hyperactivity	1 A	٦٠.٠٠
Speech delaying	Α	۲٦ <u>.</u> ٦٧
Continuous crying	١	٣_٣٣
Difficulties on attention	١٨	٦٠.٠٠
Hostility	Α	۲٦ <u>.</u> ٦٧
Convulsions	Α	۲٦.٦٧
Aggressive behaviors	Α	۲٦.٦٧
Delaying in walking	٤	١٣.٣٣

Table (\mathfrak{t}): Mean score differences of psychosocial problem scale between pre and post intervention sessions

Total psychosocial problems scale	P	're-	•	Post in	ter	vention	Pair	ed t-test
	interv	intervention						
	Mean	±	SD	Mean	±	SD	Т	P-value
•Uncertainty about prospects of disease and treatment	۳٦.١٠	Ŧ	۲ <u>۸</u> ۸	۲٤١٦ ٧	±	۱۰ <u></u> ٤۸ ۲	0_£1 0	<•.••) *
•Uncertainty about access to help and about how to solve problem	۲۱ <u>۳</u> ۳ ۳	±	V.00 ∧	۱۷ <u>.</u> ۳	±	٤٩٣٩	۲_۳۰ ٦	•_•7/*
• Fear for negative consequences for the child	い_A٦ 	±	۳ <u>9</u> 9 ۸	٨٦٧	±	٣.٤٢٣	Ψ <u>.</u> έ έ ο	• • • • *
•Fear for negative consequences for themselves (the parent)	۳۲ <u>.</u> ٤٦ ۷	±	۷۸	۲۰ <u></u> ٦، ,	±	9.001	۳ <u>.</u> ٦٨ ٣	• • •)*
•Depression	۳۲ <u>۸</u> ٦ ۷	±	٤ _. ٥. ٨	۲٥ <u>.</u> ۳٦ ۷	±	٨.٥٦٤	٤ _. ۲۹ ٩	<•.••) *
•Loss of control	۳۷٫۲۰	±	۷ <u>.</u> ۷۳	۲۹ <u>.</u> ۲۳ ۳	±	9,79£	Ψ <u>.</u> οέ ٦	.••)*
•Self esteem	۳۳ <u>۲</u> ۰	±	۷ <u>۹</u> ۱ ٥	۲۲_۹۰	±	٦.٦٢٥	۲ <u>.</u> ٤۸ ۳	<•.••) *

 Table (°): Mean score differences of parent coping strategies scale pre and post intervention sessions

Total coping scale	inter		Pre- ention	Post intervention			Paired t-test		
	Mean	+	SD	Mean	±	SD	Т	P-value	

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	I							
• Learning scale	۲۸ <u>.</u> ۷۳ ۳	±	۲.۰۳ ۷	۳۷ <u>.</u> ۳۳ ۳	±	٤.٤٩ ٨	_0.0.7	<•.••*
• Struggling scale	וו <u>ו</u> י	+	۳.۱۹ ٦	٨.١٠٠	+	۲ <u>۱</u> ۸ ۸	۳_٦٢١	<•.••*
• Interaction with patient scale	۱۷ <u>۳</u> ٦ ۷	±	٤.٦٠ ٥	77 <u>0</u> 7 V	±	۳ <u>.</u> ٤٦ ١	_£_£9£	<•.••*
• Interaction with spouse	۱۷ <u>٦</u> .	+	٤ _. ٣٤ ٤	۲۳ <u>.</u> ٤٦ ۷	+	۳ <u>۳</u> ۱ ۹	_0_171	<•.••*
• Interaction with healthy sibling	۱۱ <u>۹</u> ۳ ۳	±	۲ _. ۹۸ ۲	۱٦ <u>٣</u> ٣ ٣	±	۲ <u>۲</u> ٤ ۹	_7 <u>.</u> £97	<•.••1*
Emotional support	۱۰ <u>۳</u> ۰ ۰	±	۲ _. ٦٥ ٤	۱٤.۲۳ ۳	±	1_77A 7	-1.10	<•.••*
Information support	۱۰ <u></u> ٤٣ ۳	±	7_0£ 7	۱٦ _. ٩.	±)_9V)	- 1	<•.••*
Actual support	٨.٣٦٧	±	۱ <u>.</u> ۰٦ ٦	۱۳ <u>.</u> ۷۳ ۳	±	۱.٤٣ ۷	- ۲ ۲۸ ۲۸ ۲	<•.••
Maintaining stability	17.27 V	±	0.11 V	۲۳ <u></u> ٦٠	±	۳ _. ۲٥ ٥	_7 <u>.</u> 177	<•.••*
• Maintaining an optimistic state of mind	10 <u>.</u> 77 7	±	٤ _. •٤ ٦	19.2.	±	۳ ₋ ٦٧ ٣	_٣ <u>.</u> ٨٦.	•.••)*
• Searching for spiritual meaning	۷۹۳۳	±	1_10 7	۱۲ <u>۳</u> ۰	±	۱ <u>۸</u> ۹ ٦	-A_V • £	<•.••*
• Increasing religious activities	۹ _. ۳۰۰	±	۱ _. ۹۸ ٥	17_97 M	±	۱ _. ۹۸ ۲	-7.771	<•.••*

Table (٦): Correlation between parent psychosocial problems and coping strategies atpre intervention sessions

Pre	Uncerta inty about prospec ts of disease and treatme	Uncerta inty about access to help and about how to	Fear for negative consequen ces for the child	Fear for negative consequen ces for themselve s (the parent)	Depress ion	Loss of cont rol	Self estee m	Tota l pro ble m
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Interacti	R	• . ٣٧٣	-•.7 2 1	-•.٣٩٤	• .		•.07	•. ٢ ٣ ٧	•_77 7
on with healthy sibling	P- val ue	• .• 2 7*	• . ٢ • •	•.• ٣١*	• • • • • •	•.••١*	•••• **	•.*• V	•• ^ ¥
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Table (^V): Correlation between parent psychosocial problems and coping strategies at post intervention sessions

Post		about prospect s of disease	access to help and about w to solve problem	ear for legative conseq uences for the child	Fear for Negative Consequ ences for themselv es (the parent)	pressio	oss of ontrol	Self steem	Fotal
	r	-•.• ¥V	•. ٣٢١		•.1•٣	•.•^•		•.1£	•.177
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Educational intervention program for psychosocial problems, and coping strategies of parents of children with attention deficit hyperactivity disorder.

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Table ('): It is clear that, the majority of the children $\Upsilon \circ (\Lambda \Upsilon, \Upsilon \Upsilon')$ were males, with mean age $\Upsilon. \Upsilon \Upsilon'$. half of them $\Upsilon (\circ \circ. \Upsilon \vee')$ were in the \circ^{th} grade. Two third of the children were the first birth order $\Upsilon \cdot (\Upsilon \Upsilon \chi')$.

Table (Υ): Shows that nearly half of parents were secondary education Υ : ($\Upsilon , \Upsilon \Upsilon$). As regard mother job, the majority $\Upsilon (\Lambda \Upsilon , \Upsilon \Upsilon)$ of them were house wives and live in rural areas.

Table ("): Shows that the ADHD begin at the first " years of life. As regard positive family history, there was no one of them" $(1 \cdot \cdot \cdot \cdot \cdot)$ had positive family history. Regarding parent consanguinity , more than half of parents $\Upsilon (\Upsilon \cdot \cdot \cdot \ddot{})$ have no relative relation.

Table (\mathfrak{t}): it is clear that there was a highly significant differences in psychosocial problem scale at pre and post intervention session (p< $\mathfrak{t}, \mathfrak{t}, \mathfrak{t}$).

Table (•): This table shows that, there was a highly significant differences in parent coping strategies scale at pre and post intervention session ($p < \cdots$).

Table (٦):this table reveals thatpsychosocial problems subscales were notcorrelatedsignificantlywithtotal

psychosocial problem score of parent at pre educational session $(p > \cdot \cdot \circ)$ except with maintaining stability, maintaining an optimistic state of mind, searching for spiritual meaning and increasing religious activities domain.

Table (\forall): This table shows that, coping strategies domain were not correlated significantly with total psychosocial problem score of parent at post educational session (p>·.·°) except with interaction with suppose domain .

DISCUSSION:

Attention deficit hyperactivity disorder (ADHD) is the most commonly diagnosed behavioral disorder of childhood. Birthcohort based surveys show a prevalence of approximately V.o%. School and office based surveys are somewhat lower. The aim of this study was to identify the effectiveness psychoeducational of educational program on parents' improving coping strategies toward their children with Attention Deficit Hyperactivity Disorder. The results of the present study demonstrated that, the age of studied children was ranged between 7 and 17 years. The maximum age was VY years. points out that majority of them were males. These results are congruent with Al-Mahmoud, (", "), Who stated that Attention-deficit/hyperactivity disorder (ADHD) is a highly prevalent disorder in childhood. Prevalence rates between \forall' . ١٢% have been reported for and schoolchildren who reported that boys are more frequently affected than girls. Two thirds of the studied children were the first children in their birth order. This is in the same line with Abusaad& Elmasri $(7 \cdot 1)$, who found that half of the studied children were the first birth order. Regarding the parent job, the majority of children's fathers were employees while housewives mothers were and who revealed half of fathers that were employees and half of mothers were housewives. As for positive family history, this study revealed that all the studied children have no positive family history for ADHD. This is in the same line with Shakir & Sulaiman (7.17), who stated that the majority of subjects weren't had positive family history for ADHD. The current study revealed that there is a highly statistically significant difference between the total psychosocial problems of parents

and post education sessions at pre $as(p < \cdot, \cdot, \cdot)$). This may be due to parents have knowledge deficit regarding the ADHD pre-program intervention. This is corresponding to Al-Mahmoud(". ")" and (*Mahmud*, $f \cdot \cdot A$), who reported that , there are a statistical significant differences between pre-, immediate, and τ weeks later post program assessments of psychosocial problems of parents of children with ADHD. This may be due to, majority of parents didn't know the nature and cause of the child problem, feeling of uncertainty about prospects of disease and treatment, uncertainty about access to help and about how to solve problems. This is also corresponding with the study result of $(7 \cdot 1),$ Abusaad& Elmasri which that revealed all mothers described emotional reactions of despair . uncertainty. feeling of disgust, nonacceptance, insecurity and disappointment. This is also consistent with (Richard, $f \cdot \cdot A$, who stated that the results of the present study revealed that, there are a statistical significant differences between pre-, immediate, and τ weeks later post assessments. Parents program are responsible for child's the treatment

generally felt overwhelmed, owing to the redistribution of roles or their strategy of coping with the matter. Not knowing how to deal with the difficulties presented by the child's condition, the caregiver may leave decisions choose to and the of continuity therapy under the responsibility of the doctors or the other parent. Most of parents with ADHD children suffer from "Loss of control " over the situation . As regarding coping strategies of parents of children with ADHD, the present study demonstrated that there is a highly statistically significant difference between the total coping strategies of parents at pre and post education sessions $as(p < \cdots)$). this is corresponding with Abusaad& Elmasri $(\uparrow \cdot \uparrow \uparrow)$, who revealed that the mean score were differ after counseling session compared to before. This may be due to the parent at pre educational session don't know the natural and cause of their children disease or even how to deal with him and because the goal of coping strategies is to improve or maintain individual resources, reduce the source of stress or negative emotions and achieve a balance in individual functioning. This

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emphasis on the importance of the role of education on decreasing the psychosocial problem resulting from ADHD. This is corresponding to **Kumar** $(\uparrow \cdot \cdot \Lambda)$, who stated that the present study parents with educational status had low higher psychological stress and high coping strategy scores. This is because most of the who educated mothers are seek professional help for coping. Educated parents are also able to provide appropriate and timely treatment for various problems of the child. This reveals the importance of increase parents' awareness about the disorder, how to deal effectively with their children, Regarding the correlation between psychosocial problems subscales and total coping strategies scale, they were not correlated significantly with each other's at pre educational session $(p > \cdot, \cdot \circ)$ with maintaining stability, except maintaining an optimistic state of mind, searching for spiritual meaning and increasing religious activities domain . This is similar to Abusaad& Elmasri $(\uparrow \cdot \uparrow \uparrow)$ and Lecendreux et al., $(\uparrow \cdot \uparrow \uparrow)$. This study also revealed that they were no correlation significantly between correlation psychosocial between

problems subscales and total coping strategies scale at post intervention sessions.

CONCLUSION:

Parents education is important help parent to have less psychosocial problems than before and improve their coping strategies .Parents education is important for increasing parents' awareness about the disorder, how to deal effectively with their children. Burden of care for the child appear to have the strongest impact on the mothers, educating the fathers as well as the mothers may contribute to less avoidance of problems by fathers and a better way of coping with problems and support for the child by the family.

RECOMMENDATIONS:

- Collaboration between parents, teachers, health care services, and the community should work to prepare a correct environment for children in their developmental stages.
- Parents contacts with other parents with a child with the same condition may help them to learn

that they are not the only ones with a child with special challenges.

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