Effectiveness of Resiliency Training in Improving Mother-Child Relationship in Mothers of Children With Mental Retardation

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ABSTRACT

Objectives: To investigate the effectiveness of resiliency training in improving the mother-child relationship between mothers and their children with mental retardation.

Methods: This study employed an experimental design (pre-test, post-test) with the control group. The statistical population consisted of 52 mothers and their educable and mentally retarded children (3-12 years old) who were kept at daily welfare agency centers in Babol city, Iran. The experimental group received resiliency training program in 12 sessions (70 mins for each session) while the control group received no intervention. The measurement tool consisted of the mother-child’s relationship questionnaire. Data analysis was done using multivariate analysis of covariance at a significance level of P<0.05.

Results: The post-test analysis showed a significant decrease in the exclusion of children, extreme support and the easy going nature of mothers in the experimental group; however, the acceptance rate of mothers increased significantly.

Discussion: It seems that the resiliency training program improves the mother-child relationship in the case of mothers and their mentally retarded children and hence, reduces the exclusion, extreme support, and being easy-going nature. This improvement may be due to the changing attitude towards disability and improvement in the skills and behaviors of mothers.

1. Introduction

Among psychiatric disorders, mental retardation is the most common disorder in children and adolescents [1]. The prevalence of this disorder has been reported in 1-3% of the general population, and it is 1.5 times higher in boys than in girls. Educable and mentally retarded children with an IQ of 26-50 account for 2-3% of all the mentally retarded children [2].

The birth of children with mental retardation creates difficulties for family members, especially parents [3-5]. In the family institution, the fundamental role in maintaining the psychosocial balance is considered to be the mother’s responsibility [6] because of the close relationship of the child with his or her mother.
Among other factors influencing the growth and development of child relations, mother’s personality and her interaction with the child is critically important [7]. Mothers of children with mental retardation express a range of conflicting emotions [8, 28], which may vary from high anxiety to complete rejection [9]. The most common responses of mothers of children with mental retardation involve extreme protection [10], intolerance towards the child, denial of relationship, and rejection [11].

They sometimes extremely support their children, which prevent them from having an appropriate situation and independent activities or assume the child’s capacity to be lower than their actual capability. On the other hand, they neglect their child and avoid providing the incentives for growth and healing [12, 13]. Rejection by mothers occurs due to the lack of expecting progress, unrealistic expectations, leaving a child, and consigning him to the institution. Therefore, sometimes the parents accept the child’s retardation completely, but most of the time the pressure from disability leads to the rejection of their child [14].

Mother-child relationship has an important role in the child being vulnerable or resilient [15]. Numerous studies have shown that the method of mother-child interaction such as rejection, over excessive control, and protection increases the possibility of symptoms of anxiety disorders in the childhood and emotional and behavioral disorders in adulthood [16-18]. It is noteworthy that the admission or rejection of child with mental retardation is dependent on the emotional adaptation of mothers.

Resilience is one of the normative concepts and constructs of interest, and the study of positive psychology perspective and adapts to the dynamic process of positive experiences is referred to as grim [19, 20]. It helps individuals to use positive feelings and emotions leaving behind negative experiences and return to the desired position [21].

Resilience is said to be the opposite of vulnerability, and parents who have high resiliency are closer to their child [22]. Horton and Walander (2001) believed that resiliency reduces stress and improves the quality of life of parents of children with disabilities and mental retardation [31]. It reduces stress and difficulties in parents that arise from the care of children with disabilities. White (2004) showed that resiliency program improves interpersonal relationships. In addition, it also reduces job stress and increases mental health of workers and teachers who interact with mentally retarded persons [23]. Gray (2002) concluded that programs based on resiliency, through their vision and belief system, bring changes in families with the autistic child leading toward a positive welfare [29]. A study by Shojaee et al. (2012) showed that resiliency training increased the well-being and also reduced the emotional distress in siblings of children with Down syndrome [30]. However, believed that the individual resiliency factors that led to the adaptation of parents of the child with mental retardation had been neglected.

Considering that the level of resilience in the parents of children with mental retardation is lower than the parents of normal children [24], they are required to intervene in this matter through programs that create resiliency and coping strategies. If mothers of children with mental retardation can increase their resiliency, they can also change cognitive schema about their child’s disability and correct the common misunderstandings, prejudices, and stereotypes about mental retardation. This will also change their attitudes, behaviors, and skills to create an open, effective and flexible relationship that results in acceptance of their children by the parents [22]. So, in this study, we examined whether resiliency training has any effect on mother-child relation in the case of mothers of children with mental retardation.

2. Methods

In this quasi-experimental study, pre-test and post-test with a control group were used. Statistical population of this study consisted of mothers of educable mentally retarded children (IQ of 26-50) in Babol City, in 2014, who were referred to the daily welfare organization centers. The sample size consisted of 52 women who satisfied the inclusion criteria. They were selected based on their accessibility and randomly assigned to two groups, each group with 26 children. The inclusion criteria were: mothers of educable mentally retarded children (aged 3 to 12 years) and those who kept their children in day care centers.

The exclusion criteria were serious psychiatric disorders in mothers, consumption of psychotropic drugs, and participation in the same training programs. Ethical considerations included in this study are as follows: obtaining informed consent from mothers, observance of honesty and integrity, lack of cost and reliability of any possible damage, and confidentiality of all obtained information. At the first stage of the study, the pre-test analysis consisted of the mother-child relationship questionnaire. Next, the experimental group received 12 sessions (2 per week, each 70 minutes) of training resiliency, whereas the control group received no training. Then the intervention questionnaires were completed by both groups as post-test analysis. The resiliency training program designed by Shojaee et al. (2012) was used in this study [30]. The mentioned program was set based on the
cognitive-behavioral therapy in a group. The content of the program was as shown below:

First session: Welcome and introduction of members;

Second session: Introduction to the process of association and the right way of thinking to make a proper connection;

Third session: Identification of problematic behavior and familiarity with the ways of dealing with problematic behavior;

Fourth session: Management of emotions and feelings and gaining the ability to switch over feelings;

Fifth session: Introduction to the concepts of stress and coping methods;

Sixth session: Anger management and methods of reducing and controlling anger;

Seventh session: Introduction to problem-solving procedures, training and job performance problem-solving process with examples and events real;

Eighth session: The objective and plans of life. Descriptive statistical techniques to estimate the prevalence, frequency, mean, standard deviation and inferential statistical techniques were used for multivariate analysis of covariance analysis.

The mother–child relationship questionnaire was prepared by Ross (1961) under the Center for Psychological Studies. This 48-item questionnaire is a self-report test with 4 subscales that include acceptance, extreme support, being easy going, and rejection. Each scale contained 12 questions. In phrases 1-39, the scoring was based on the Likert scale from “1” (completely agree) to “4” (completely disagree), and the phrases 40-48 were scored in contrast. The test reliability was obtained by Zamiri (2005) on 30 women from 0.71 to 0.78 [32]. In this study, to determine the reliability of the questionnaire, the test-retest method was used. The questionnaires of 17 mothers of children with mental retardation (non-participants) were completed after two weeks. The results showed that the internal consistency of Cronbach’s Alfa for the questionnaire items was equal to 0.85. Relatively high negative correlation was obtained between the scale of acceptance and extreme support, rejection, and being too easy going. The mean correlation coefficient was 0.83.

### 3. Results

Fifty-two mothers of children with mental retardation participated in this study. The mean and standard deviation age of the mothers were 28.4±42.32 years. The working mothers accounted for 21.15% of the total study population, and 78.85% were housewives. A total of 24.63% mothers had no consanguinity with their husbands. The mean and standard deviation of the age of children (55.75% males and 44.25% females) were 1.38±5.2.

As shown in Table 1, the mean scores of the experimental group in the acceptance component had increased, and in other components, it had reduced significantly in post-test in comparison with the pretest stage. This change was not observed in the control group. The Kolmogorov-Smirnov test was not significant in any of the

<table>
<thead>
<tr>
<th>Group</th>
<th>Variables</th>
<th>Pre-Test</th>
<th>Post-Test</th>
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<td>Mean</td>
<td>Standard Deviation</td>
<td>Mean</td>
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<td>Experimental</td>
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<td>(n=26)</td>
<td>Extreme support</td>
<td>48.07</td>
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<td></td>
<td>Being easy going</td>
<td>44.65</td>
<td>3.35</td>
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<td></td>
<td>Rejection</td>
<td>37.81</td>
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<td>Control</td>
<td>Acceptance</td>
<td>41.34</td>
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<tr>
<td>(n=26)</td>
<td>Extreme support</td>
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<td>Being easy going</td>
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<td></td>
<td>Rejection</td>
<td>37.11</td>
<td>2.06</td>
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variables; so the default of the normal distribution of data was approved. The Levine test for ensuring the homogeneity of variance was not significant in variables, so the variances were homogeneous.

As shown in Table 2, by controlling the pre-test effect, the post-test score of mothers in the experimental group in acceptance subscale is significantly higher than the mothers in control group (P=0.00).

The post-test scores of mothers in the experimental group in extreme support, being easy going, and rejection subscales were significantly lower than the mothers in the control group by controlling the pre-test effect (P=0.00).

4. Discussion

This study showed that resilience program training was effective in increasing maternal acceptance of children with mental retardation. The results of this study are consistent with the findings of Kaveh et al. (2012) [36]. They found that resiliency creates changes in attitudes, behavior and skills of mothers of children with mental retardation so as to accept their child’s condition. The results of the present study are also consistent with the research of White et al. (2002) who found that resiliency training to families of dialysis patients led to a better relationship between the patients and their relatives [37].

Hall et al. (2003) believed that resilience could improve relations with others and lead to a happier relationship [33]. Thus, the process of resilience-based intervention tries to make the mothers of children with mental retardation well-adapted to the problems associated with mental retardation, as well as have friendly and open, effective and permanent relationship with their children, and become flexible in their roles. Resiliency helps them to have the ability to change the schema and attitudes toward the mentally retarded child till the mothers accept their child’s mental and physical disabilities and have realistic and appropriate behaviors. It also helps the mothers to focus on their child’s capabilities and abilities rather than their weaknesses, which in turn helps them to develop warm and intimate relationships with their children.

This study also showed that the intervention program resulted in a significant effect by reducing the rejection of the mentally retarded child by the mother. This is consistent with the findings of Gray (2002), who concluded that programs based on resiliency helped change the vision and belief system of families with autistic children [29]. Furthermore, according to the results of Horton and Wallander (2001) study, intrapersonal resiliency factors improve the quality of life of parents with children with disabilities and mental retardation and reduce stress and difficulties arising from the care of such children [31]. Shojaei et al. (2012) also found that resiliency training increased well-being and decreased the emotional distress [30]. Hosseini Qomi et al. (2011) found that training programs based on the resiliency in mothers of children with cancer increased mental health and quality of life [38]. Hagh Ranjbar et al. (2012) found that there is a significant positive correlation between quality of life and resiliency in mothers of children with mental retardation [39].
The present study also showed that resiliency training had a significant effect on reducing extreme support by the mother of the mentally retarded child. Lustig et al. (2000), Tarantino et al. (2013), and Basu (2004) found that resiliency increased levels of positive emotions, self-esteem and successful coping with negative experiences [25, 34, 40]. It also made one well adapted to the challenges and imparted a feeling of solidarity in person [25]. It can be said that resiliency is the ability to maintain the adaptive behavior when one faces insult and does well and has healthy expectations [26].

Hamill (2003) stated that the resilience reduction of risk factors and exposure to risk factors increase the capacity of coping with stress, while strengthening and enhancing self-esteem and self-efficacy [42]. In terms of Korhonen (2007), although resilience results out of personal attribute and people’s experiences in the environment, humans are not the victims of their heredity or environment. People can be trained to learn some skills to increase their resilience capacity. People can change their reaction to stress and unpleasant events so that they can overcome the problems of the negative environment [22]. Therefore, resilience can help mothers of children with mental retardation to adapt to the crisis, have open relations with their children, and be in their flexible roles, effectively and permanently.

The present study also showed that resiliency training reduced the ‘being too easy going’ nature of the mothers of children with mental retardation. This finding is consistent with the studies of White et al. (2002), Neil and Dias (2001); Hamill (2003) [37, 42, 43]. Gray (2002) showed that resilience increased the welfare of families with autistic children by changing their vision and belief system [29]. McGraths (2000) also showed that the increase in resiliency causes people to learn various coping strategies and skills [41]. This finding can be interpreted in terms of resilience not only to deal with problems and adverse events but produce a flexible response to the pressures of daily life. Overall, it can be said that resilience can cause an individual to successfully overcome adverse events despite exposure to severe stress, and this results in improvement of his or her social competence and academic and communication skills [27].

5. Conclusion

The findings of this study showed that resiliency training program increased the mother-child relationship in the case of mothers of children with mental retardation and decreased the extreme support and being too easy going nature. The process of resiliency training based on interventions changed the cognitive schema to the difficulties in mothers for rearing a child with mental retardation. The resiliency programs also changed the attitudes, behaviors, and skills of mothers so that they can improve their relationship with their child [22].

It seems that mothers with high resiliency use more effective coping strategies in dealing with their everyday problems, and their strengthened individual capacities ensure more resistance in caring a child with mental retardation. They have greater flexibility in relation to their children and emphasize on the ability of children instead of their weakness and inability and accept their children’s mental and physical disabilities. Based on the findings of this study, it is recommended that the clinicians and counselors, psychologists and all those who somehow interact with the families of children with mental retardation, need to consider various methods for improving the resiliency of the parents.

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Conflict of Interest

The authors declared no conflict of interests.

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