Effectiveness of Multi-Faceted Training Focused on Spiritual Parenting to Mothers on Promoting Spirituality of Overweight Children

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Abstract

Background: Growing evidences show that the successful treatment of pediatric obesity requires consideration not only of medical issues but also of psychological and social environmental and familial factors. Special emphasis is given to the psychological and spiritual aspects of pediatric obesity in the context of a holistic perspective. In this regard this study was conducted to determine the effectiveness of multi-faceted training focused on spiritual parenting to mothers on promoting spirituality of overweight children.

Methods: In this study, 48 volunteer (24 boys students and 24 their mothers) eligible to exclude-include criteria were selected and randomly assigned into two experimental and control groups. An orientation session was held to explain the research goals and intervention. The experimental group trained, 90 minutes sessions weekly for 3 months (10 sessions), but control group did not receive any intervention. Prior to and after Training, all participant completed demographic information questionnaire and then children completed religiosity and spirituality scale for youth (rassy) scale and their BMI were measured. Data analysis with SPSS version 22 was done.

Results: Data analysis with applying one-way and multivariate analysis of covariance (ancova and mancova) revealed that Multi-faceted training focused on spiritual parenting could significantly promote the total score and faith-based coping and religious social support/activities but BMI were decreased significantly (P<0.05).

Conclusions: The results showed that the multi-faceted training focused on spiritual parenting to mothers leads to promotion of spirituality scores of children with overweight. Also, it seems that the body mass index (BMI) will be reduced. This study demonstrated that spiritual parenting benefits are similar to the dietary restriction and physical activities reduction (ancova) and can affect the formation of daily activities, nutrition, emotional performances and children's gaining weight risk. Permissive parents' children have lighter diets and are less stringent to eat unhealthy food. However, children probably consume less healthy food when their parents use autocratic parenting style. On the other hand, parents who are logically friendly are more probable to be efficient and effective models for their children and it results to children's self-care. In contrast, democratic parenting style results to making healthier food choices and doing physical activities.

Introduction

Childhood obesity is growing all over the world and it has too many unpleasant effects on peoples' health in both adulthood and childhood. Not only in adulthood it results to high blood pressure, cardiovascular diseases, diabetes, liver diseases and ultimately fatality, but also in childhood it has effects such as asthma, sleep apnea, high blood pressure, high cholesterol and etc.

The most concerned issue is that expanding childhood obesity is taking place while there has been a significant growth in awareness of its threatening effects on adults' health, but at the same time overweight children are more probable to turn to diabetic overweight adults suffering from heart diseases and being afflicted with different types of cancer.

It is considerably important to identify the factors causing obesity in order to plan pertinent interference to prevent and control childhood obesity complications. Childhood obesity similar to adults' obesity is a multi-factorial issue which we are able to mention some of these factors and behaviors such as; high-calorie diets, physical activities reduction, metabolic disorders, parental roles, parenting styles, and spirituality. Besides, parenting role is a significantly important issue since parents directly determine children's social and physical environment and indirectly have effects on children's behaviors, habits and attitudes by socialization and modeling process and understanding this issue can make a contribution to prevent and treatment obesity. Home atmosphere can have consistent effects on their weight loss and gain process since children's good and healthy habits are formed at home. Therefore, parents are able to directly affect their children's accessibility to healthy and unhealthy food and encourage or prevent children's doing physical activities at home. Parenting styles are standard strategies that parents use in their children rearing which are identified by parents' determined responses to children's behaviors and can affect on the formation of daily activities, nutrition, emotional performances and children's gaining weight risk. Permissive parents' children have lighter diets and are less stringent to eat unhealthy food. However, children probably consume less healthy food when their parents use autocratic parenting style. The other hand, parents who are logically friendly are more probable to be efficient and effective models for their children and it results to children's self-care. In contrast, democratic parenting style results to making healthier food choices and doing physical activities.

Not only parenting style affects children's obesity, but also it can have effects on self-efficacy, mental health, quality of life, and spirituality. In the other words family is the most basic ground of forming religious and spiritual beliefs and they emphasize on this point that most of these beliefs are formed in childhood and in families. Some findings also show that parenting style has a relation with children's religious development.
students know their parents as the most important factor of their religious development.\textsuperscript{27} In addition, Dudley and Wisbey\textsuperscript{28} consider supportive and caring parents as the most important cause of children's religious development. In other words, when parents have positive and supportive attitude toward their children, children show higher adherence to spiritual values.\textsuperscript{29} As a result, democratic parenting style has a positive and meaningful relationship with children's spiritual health.\textsuperscript{30} In contrast, parents who set limitations and have high expectations focus on unquestionable obedience and respect and behave strictly with their children, bring up children with low self-esteem, lack of creativity and independency and also postponed moral development.\textsuperscript{31} Thus, autocratic parenting style has a negative meaningful relationship with youths' spiritual health.\textsuperscript{32} This research is done focusing on body mass index (BMI) reduction and overweight children's spirituality by multi-faceted training focused on spiritual parenting and making mothers relaxed. Researchers are seeking for an appropriate answer for this question that whether training multi-faceted parenting focusing on mothers' spirituality results to promotion of overweight children's spirituality and body mass index (BMI) reduction or not.

**Materials and Methods**

This research is done through convenience sampling and has quasi-experimental design using pre-test, post-test and control group. The research population includes all elementary school boy pupils (2 and 5 regions of Tehran city) who are obese or overweight considering body mass index (BMI) with their mothers.

Inclusion criteria of participants included; (residency of 2 and 5 regions of Tehran city, signing inform consent, age range of 30-50 for mothers, holding at least diploma degree for mothers, age range of 9-12 for children, maleness, living with both parents for children) and exclusion criteria included; (suffering from another psychological disorder simultaneously, holding lower than diploma degree and suffering from any other psychological illness such as; bipolarity, obsession and personality disorders for mothers, suffering from any other psychological disorder related to developmental period based on DSM-5 criteria and divorced, separated or dead parents for children) that all participants were volunteers to take part in the program after researchers' explanations. According to the rules of group therapy, the sample size in adults and children is 8 – 20 people.\textsuperscript{32} In general, 50 mothers with their children were selected and finally 48 participants were remained because of two participants who cancelled their participation. All participants were randomly allocated to the intervention (N=24) and control (N=24) groups. The experimental group trained, 90 minutes sessions weekly for 3 months (10 sessions), But control group were convened in school with no intervention. They just discuss about their children's obesity and spirituality with each other. After finishing the research they participated in a new intervention.

All participated students (control and experimental group) in research answered to all items of Religiosity and Spirituality Scale for Youth (RaSSY) (2011) before and after multi-faceted parenting training. Regarding gathering data in this research personal information forms (demographic questionnaires) were used which for mothers included information such as; age and educational degree and for children it included; age, educational grade, weight and BMI. Two groups (control and experimental groups) were similar in terms of demographic characteristics. They were measured by a demographic questionnaire.

Religiosity and spirituality scales for youth (RaSSY) which were designed by Hernandez\textsuperscript{36} included 37 items that the items consisted of two subscales such as (faith-based coping and religious social support activities) in a multiple choice form (always= 4, often= 2, sometimes= 1, never= 0). In research done by Nouhi.\textsuperscript{37} Cronbach's alpha coefficient for the whole scale was 0.773. For data analysis, one-way ANOVA, ANCOVA and MANOVA were done by SPSS version 22 at a significant level of 0.05.

The present pedagogical program (table 1) has initially been examined on five mothers who have overweight elementary school children according to valid psychology, nutrition and theology books (Especially Qur'an and Hadith) and researches. Besides it has been evaluated by 3 child psychology specialists, 1 nutritionist and 3 religion experts and ultimately the reliability and validity of this program have been confirmed.

**Results**

In this research 48 participants (mothers and their overweight children) were allocated into two controls and experimental groups (each group consisted of 24 mothers with their children) with mean and standard deviation of 37/6±4/88 for mothers and 10/8±1/02 for participated children. 40% of mothers hold diploma degree (20 people), 8% hold associate's degree (4 people), and 44% hold BS/BA degree (22 people) and 4% MS/MA and higher degrees (2 people). Descriptive characteristics of participants' scores in two pre-test and post-test groups regarding religiosity and spirituality scales for children and youths (including tolerance based on faith and activities/ religious social support and total score of spirituality) are presented in table 2.

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Highlighted materials of the session</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Evaluation and introduction of the whole research and familiarization with mothers</td>
<td>- distributing demographic questionnaires, BMI and religiosity and spirituality scales for youth (pre-test),</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- defining parenting and explaining aspects of multi-faceted parenting focusing on spirituality,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- signing of moral consent to participate in research,</td>
</tr>
<tr>
<td>1</td>
<td>Who is an overweight child? How is the healthy food pyramid of schoolchildren?</td>
<td>- defining overweight and BMI and explaining BMI in boys aged 9-12,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- how to calculate the appropriate height and weight of children aged 9-12,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- teaching mothers the healthy food pyramid of schoolchildren,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- teaching God orders about eating food and adjusting verses 5,11 and 67 of Surah An-Nahl, verse 61 of Surah Baqarah, verse 99 of Surah Al An'am with the healthy food pyramid of healthy child,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- children assignment: making a food pyramid using the ingredients at home,</td>
</tr>
</tbody>
</table>

Table 1. Pedagogical program of multi-faceted parenting focusing on spirituality
<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Activities</th>
</tr>
</thead>
</table>
| 2   | How is successful and effective parenting? What is lordship?                                    | - checking the previous session assignment,  
- success factors in parenting,  
- aspects of positive and effective upbringing,  
- five key points in effective upbringing,  
- how to meet child’s needs correctly,  
- parents’ four basic expectations of children,  
- defining God lordship,  
- distributing worksheets of mothers’ responsive and controlling behaviour,  
- distributing worksheets about the similarities and differences between parents’ lordships and God lordships, |
| 3   | What are parents’ roles on children’s overweight?                                               | - checking the previous session assignment,  
- discussing about humans and God lordships (similarities and differences),  
- the effect of parenting style on children’s overweight,  
- the factors causing children’s overweight (factors relevant to the child, family, society, school, media, ...),  
- distributing worksheets of weekly tables of child’s food,  
- distributing worksheets of recognizing the similarities of God and parents’ lordships behaving with children, |
| 4   | Perception of God presence in our lives                                                          | - checking the previous session assignment,  
- discussing about God presence in our lives (On/Off),  
- perception of God presence while eating food,  
- teaching how to eat mindfully and perception of God presence while eating food,  
- assignment: exercising mindfulness with the child, |
| 5   | Changing family and child eating habits (1st session)                                            | - checking the previous session assignment,  
- teaching how to change the family eating habits,  
- teaching healthy food habits and eating food correctly and adjusting it with verse 172 of Surah Baqarah,  
- 1st session: (planning male meals and snacks, planning eating hours, accompanying the child while eating food, eating food slowly, knowing about food calories and energy food labels,  
- assignment 1: planning having lunch and dinner for 20 minutes,  
- assignment 2: studying energy labels of five ready food and taking notes of the amount of energy and ingredients,  
- assignment 3: filling out the weekly table of child’s food, |
| 6   | Changing family and child eating habits (2nd session)                                            | - continuing teaching healthy food habits and having food correctly and adjusting it with verse 172 of Surah Baqarah,  
- 2nd session: (recognizing unhealthy food, reducing the volume of food and the size of plates, allowing the child to participate in shopping, cooking and making food ready, having at least one meal with the family every day, being relaxed while having a meal, ...),  
- teaching detention with conceptualizing beliefs and worship: the concept of Allah Akbar (God is the greatest) and La ilaha illallah (there is no deity but God),  
- teaching detention with conceptualizing beliefs and worship: the concept of Allah Akbar (God is the greatest) and La ilaha illallah (there is no deity but God) to children by mothers,  
- assignment 1: performing detention by child and keeping a record of child excitement and behaviour before and after detention,  
- assignment 2: filling out the weekly table of child’s food, |
| 7   | Impulse control and self-control (1st session)                                                   | - checking the previous session assignment,  
- what is impulse? How is impulsive behaviour?  
- self-control and its component,  
- teaching practical exercises to self-control (to postpone eating, talking about the need to eat, mental technique of eating),  
- assignment: one of the practical techniques of self-control should be done in case the child is inclined to overeat or over-drink (voracity),  
- assignment: performing detention by child and keeping a record of child excitement and behaviour before and after detention, |
| 8   | Impulse control and self-control (2nd session)                                                   | - checking the previous session assignment,  
- continuing self-control discussion and teaching limitations of eating,  
- teaching practical exercises for self-control,  
- 2nd session: mental distraction technique, self-relaxation dialogue technique, keeping away tempting food and rejecting the others while serving and insisting on having food,  
- explaining the concepts of piety and zakia (self-regulation) adjusting with verse 1 of Surah Al-Mu’minun, verse 6 of Surah At-Tahrim and verse 9 of Surah Ash-Shams,  
- one of the practical techniques of self-control should be done in case the child is inclined to overeat or over-drink (voracity),  
- distributing the worksheet of child detention, |
| 9   | Giving meaning to problems                                                                     | - checking the previous session assignment,  
- teaching how to give meaning to problems and life events,  
- where is God while having problems (especially in situations with negative expectations such as; fury, grief and worry),  
- explaining the square shape; problem, me, God and the world (the others),  
- child assignment (safe place): assign a place to your child at home (a corner of a room, a prayer carpet and ...) and then encourage him/her to converse with God and spend time to relax and ask God to help him/her to solve overweight problem (especially while overeating and struggling with overweight),  
- performing the child detention, |
| 10  | The purpose of creating the world and eating, practice start and stop                           | - checking the previous session assignment,  
- consider a start & stop for your behaviours and actions (here about eating),  
- how much of your behaviour do you ever check with origin and resurrection?  
- what is God purpose of creating me and my child?  
- what is the purpose of eating?  
- teaching starting and finishing food mindfully?  
- exercising mindfully eating by child  
- distributing self-control worksheet  
- distributing child detention worksheet |
| 00  | Farewell session                                                                                | - checking the previous session assignment,  
- review and summarizing all previous sessions,  
- asking for feedback of all sessions,  
- doing the post-test |
Table 2. Descriptive characteristics of subscale changes in children’s spirituality dividing into two pre-test and post-test groups

<table>
<thead>
<tr>
<th>Group</th>
<th>Variable</th>
<th>Pre Test</th>
<th>Post Test</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Mean</td>
<td>SD</td>
</tr>
<tr>
<td>Experimental</td>
<td>Faith-based coping</td>
<td>68/88</td>
<td>9/66</td>
</tr>
<tr>
<td></td>
<td>Religious social support/ activities</td>
<td>34/71</td>
<td>4/65</td>
</tr>
<tr>
<td></td>
<td>Total score of spirituality</td>
<td>103/58</td>
<td>12/76</td>
</tr>
<tr>
<td>Control</td>
<td>Faith-based coping</td>
<td>68/58</td>
<td>9/6</td>
</tr>
<tr>
<td></td>
<td>Religious social support/ activities</td>
<td>34/5</td>
<td>9/71</td>
</tr>
<tr>
<td></td>
<td>Total score of spirituality</td>
<td>103/08</td>
<td>17/39</td>
</tr>
</tbody>
</table>

Table 3. Covariance analysis test for meaningfulness of Mean score difference

<table>
<thead>
<tr>
<th>Group</th>
<th>Variable</th>
<th>Pre Test</th>
<th>Post Test</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M</td>
<td>SD</td>
</tr>
<tr>
<td>Experimental</td>
<td>Pre Test</td>
<td>25/52</td>
<td>2/23</td>
</tr>
<tr>
<td></td>
<td>Post Test</td>
<td>23/9</td>
<td>2/91</td>
</tr>
<tr>
<td>Control</td>
<td>Pre Test</td>
<td>25/61</td>
<td>1/96</td>
</tr>
<tr>
<td></td>
<td>Post Test</td>
<td>25/5</td>
<td>2/47</td>
</tr>
</tbody>
</table>

Table 4. Covariance analysis test for meaningfulness of spirituality Mean difference (total score)

<table>
<thead>
<tr>
<th>Group</th>
<th>Variable</th>
<th>Pre Test</th>
<th>Post Test</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M</td>
<td>SD</td>
</tr>
<tr>
<td>Experimental</td>
<td>Pretest</td>
<td>103/58</td>
<td>12/76</td>
</tr>
<tr>
<td></td>
<td>Posttest</td>
<td>108/87</td>
<td>12/03</td>
</tr>
<tr>
<td>Control</td>
<td>Pretest</td>
<td>103/08</td>
<td>17/39</td>
</tr>
<tr>
<td></td>
<td>Posttest</td>
<td>101/21</td>
<td>16/87</td>
</tr>
</tbody>
</table>

In order to study validity of hypothesis (such as: normal distribution of scores, equality of variances, homogeneity of covariance, matrixes) ANOVA and MANOVA were used, however, Kolmogorov Smirnov test results showed the normal distribution of tolerance based on faith and activities/ religious social support and spirituality scores (total score) and body mass index (BMI) (\(P>0.05\)). Leven’s test results also showed the equality of variance (\(P>0.05\)). In other words, for total score, spirituality is (\(F(1\text{ and } 46)=3/47\text{ and }P>0.05\)) and for body mass index (BMI) (\(F(1\text{ and } 46)=29/68\text{ and }P<0.05\)) with effect size of 38% that was an acceptable effect.

The results of multivariate covariance analysis of \(F\) ratio for interactive effect on multi-faceted training focused on mothers’ spirituality to subscales of children’s religiosity and spirituality in Pillai statistic test in table 5 illustrates that training in alteration of compounding variables (tolerance based on faith and activities/ religious social support) had a meaningful effect \([F(452)=14/101\text{ and }P<0.05]\) with effect size of 38% that was an acceptable effect.

In addition to this, the results of covariance analysis showed that scores of both subscales of intervention group had a meaningful increase compared to control group (after elimination of pretest effect) (\(P<0.05\)) in order to study the meaningfulness of each subscale difference in both groups (table 6). This difference is illustrated in figure 2.

The results of multivariate covariance analysis of \(F\) ratio for interactive effect on multi-faceted training focused on mothers’ spirituality to subscales of children’s religiosity and spirituality in Pillai statistic test in table 5 illustrates that training in alteration of compounding variables (tolerance based on faith and activities/ religious social support) had a meaningful effect \([F(452)=14/101\text{ and }P<0.05]\) with effect size of 38% that was an acceptable effect.

The results of covariance analysis test represented in table 4 for meaningfulness test of mean of scores difference between pretest and posttest of participants' scores illustrated that after elimination of pretest effect, the mean score of intervention group children’s spirituality scores had a meaningful increase \([F(1\text{ and } 45)=29/68\text{ and }P<0.05]\). Compared to control group (approximately 5/3 score). Besides, the effect size of multi-faceted parenting training focusing on spirituality was %39 (\(\eta^2= 0.398\)) that showed an acceptable effect.
Table 5. Multivariate covariance analysis of F ratio for interactive effect of multi-faceted parenting training to subscales of children’s religiosity and spirituality

<table>
<thead>
<tr>
<th>Source</th>
<th>Effect</th>
<th>P.V</th>
<th>F</th>
<th>df1</th>
<th>df2</th>
<th>Sig</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roy’s Largest root</td>
<td>0/627</td>
<td>14/101</td>
<td>2</td>
<td>45</td>
<td>0/0001</td>
<td>0/358</td>
</tr>
<tr>
<td>Hotelling’s Trace</td>
<td>0/627</td>
<td>14/101</td>
<td>2</td>
<td>45</td>
<td>0/0001</td>
<td>0/358</td>
</tr>
<tr>
<td>Wilk’s lambda</td>
<td>0/615</td>
<td>14/101</td>
<td>2</td>
<td>45</td>
<td>0/0001</td>
<td>0/358</td>
</tr>
<tr>
<td>Pillai’s Trace</td>
<td>0/358</td>
<td>14/101</td>
<td>2</td>
<td>45</td>
<td>0/0001</td>
<td>0/358</td>
</tr>
</tbody>
</table>

Table 6. Covariance analysis test in subscales of children’s religiosity and spirituality in both groups

<table>
<thead>
<tr>
<th>Variable</th>
<th>F</th>
<th>P.V</th>
<th>SS</th>
<th>MS</th>
<th>MS</th>
<th>F</th>
<th>DF1</th>
<th>DF2</th>
<th>Sig</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faith-based coping DIF</td>
<td>4/01</td>
<td>0/051</td>
<td>225/333</td>
<td>225/333</td>
<td>18/688</td>
<td>1</td>
<td>46</td>
<td>0/0001</td>
<td>0/289</td>
</tr>
<tr>
<td>Religious social support/ Activities DIF</td>
<td>0/713</td>
<td>0/403</td>
<td>96/333</td>
<td>96/333</td>
<td>21/144</td>
<td>1</td>
<td>46</td>
<td>0/0001</td>
<td>0/315</td>
</tr>
</tbody>
</table>

Discussion

This research has been done to study the effectiveness of multi-faceted training focused on spiritual parenting to mothers on promoting overweight children’s spirituality. Descriptive results represented in table 2 and figure 2 showed that multi-faceted parenting training has resulted to a meaningful difference in both faith-based coping scores and activities and religious social support of children in both control and intervention groups in a way that mean scores of these facets and total score of children’s religiosity and spirituality in intervention group had a meaningful increase after training, compared to control group (table 6). It also seems that intervention group children’s body mass index (BMI) had a meaningful reduction compared to control group children after training by training parenting skills to mothers and promoting children’s spirituality (table 3 and figure 1). Considering the study of conducted researches in Iran and abroad, there has been no research found investigating the effectiveness of parenting training focused on spirituality and children’s spirituality index. Therefore, this finding is taken into account as one of the most novel achievements in spirituality field. This research results are compared to the other comparative researches or those with the same variables. Regarding this issue, researchers know family as the most basic ground for formation of religious and spiritual beliefs and strongly believe that most of these beliefs are formed in childhood and in the family. The other researches results also show that objectives and parenting styles are relevant to children’s religious developments and parents have a significant role on the kind of children’s religious and spiritual upbringing. For instance, Hunsburger and Brown once doing a research reported that students know their parents as the most important factor of religious upbringing and beliefs promotion. Based on this research Dickie and et al. have directly and indirectly emphasized on the parents’ importance in formation of child’s god concept. Furthermore, while studying the relationship between parenting style and youths’ religious commitments, it has been concluded that democratic and supportive parenting styles is an instrument for youths’ inner religious commitment. Therefore, parenting style and parents’ god concept predicts the image of children’s god and it would be better to explain that when parents and children have emotional support and positive emotional relationship, children show a higher religious commitment to spiritual value. In addition, when parents support their children while controlling them, their children show the same moral and religious values of their parents. In this regard, Dudley and Wisbey know parents’ friendly and support relationship as the most important factor of conveying religious and spiritual values to children. Sadeghi, Mazhari and Asgari in another conducted research to study the quality of parent-child relationship as a precondition of religious nurture of children found out that sources of religious knowledge are different in different parenting style in a way that in democratic parenting style, religious cognition is mostly taken place through families. In general, children internalize their conception of their parents in their own vision and their self-image which is similar to their parents. Furthermore, researchers’ findings about the relationship between autocratic parenting style and spiritual health have shown that autocratic style has a negative relationship as a precondition of religious nurture of children and in the other hand, findings of the other researchers showed that permissive parenting style has a negative meaningful relationship with children’s spiritual health. On the other hand, findings of the other researchers showed that permissive parenting style has a negative meaningful relationship with children’s spiritual health. As a result, children’s perception of their parents in childhood predicts children’s self-image and image of god in adulthood. According to what has already been discussed about, it can be interpreted that we will be able to have increased spirituality and subscales in children while...
adjusting dysfunctional styles and achieving efficient functional styles by training multi-faceted parenting style. This conclusion can also be considered in line with Hood, Hill and Spilka40 findings based on this point that negative perception of god has a reverse meaningful relationship with democratic parenting style. For further explanation it can be cited to the research conducted by Movahhedi, Kariminezhad, Hashemi, Nosratabadi and Movahhedi41 based on which educational program based on spirituality is effective on the promotion of students’ quality of life components. The research findings showed that training spirituality results to improvement of students’ quality of life components and vice versa. This finding is to some extent in line with findings of Ajdari and et al.,42 Ghomali and Beshlheid,24 Hackney and Sanders,43 Hills and Francis.44 Hence, multi-faceted parenting training focused on spirituality can contribute to increase children’s quality of life and their other social and psychological dimensions by altering dysfunctional parenting styles to functional parenting styles,46 as a result it causes the promotion of spiritual health and the other subcomponents in children. In addition to these findings, some studies show that other biological and psychological dimensions will not result to appropriate function without considering spiritual dimension and the person will not be able to become actualized in all their potentials.29

On the other hand, finding of this research has concordance with research findings of Johnson,5 Sussner, Lindsay and Gottmacker,10 Walton,2 Ritchies, Welk and Styne11 based on the point that parenting styles have a relationship with children’s body mass index (BMI). Besides, Sussner and et al10 represented significant effect of parents’ cooperation on children’s weight loss. In another research Savage, Fisher and Birch showed that family is significantly important from different aspects as it is the first place that children are grown up.2 Since family life style, parenting style and food habits are formed in family,28 they play an important role in children’s type of nutrition and weight. It can be added to this point that training multi-faceted parenting skill results to formation of healthy behaviors. The role of parenting is very important to children since parents directly affect children’s social and physical environment and indirectly influence children’s behaviors, habits and attitudes by socialization and modeling processes.49 This research showed that training multi-faceted parenting focused on spirituality includes components such as; how to encounter mental problems and negative excitements by applying techniques such as; putting an end of eating with naming and thanking god, taking deep breaths and relaxing, talking about constant presence of god in life and problems (on/off presence of god) training god monotheism discussion, respecting oneself and the others’ rights while eating, training three dimensions of spirituality (giving meaning, purpose and value) for behavior and personal activities (here we are mostly concerned with eating habits), start and stop of eating. How much our behavior is assessed with origin and resurrection? What is the purpose of eating? What criteria are there to choose food? How much self-control and accounting are there in eating and other behaviors? It can be both reducing children’s weight in a standard range and leading to promotion of spirituality in mothers by using a mixture of these techniques in the form of training multi-faceted parenting skill.

Regarding research limitations, it can be pointed to some participants’ irregular cooperation that sometimes unpredictably changed the research process, participants’ cancellation and lack of follow-up studies. It is also suggested that; 1) education authorities consider training multi-faceted parenting focused on spirituality as one of their prioritize to promote students’ biological, psychological, social and spiritual health in a long-term process and investigate its positive effects on normal population, 2) training protocol of multi-faceted parenting focused on spirituality will be available for school teachers to train both parents and students, 3) evaluating the effects of multi-faceted parenting focused on spirituality on other components such as; anxiety, depression and etc., and also training multi-faceted parenting based on spirituality takes place for public.

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Conflict of Interest

The authors declared that they have no conflict of interest.

References