

Effectiveness of Self-differentiation Training Based on Bowen's Approach on Positive Feeling Towards Spouse in Married Women in Isfahan in 2019

Fariba Saadat Mehr ¹ , Sahar Khanjani Veshki ^{*2} 

1. Department of Psychology, Khomeinishahr Branch, Islamic Azad University, Isfahan Iran
2. Department of Counseling, Faculty of Humanities, Arak University, Arak, Iran

ARTICLE INFO

Original Article

Received: 24 June 2021

Accepted: 2 September 2021



Corresponding Author:
Sahar Khanjani Veshki
s-khanjani@araku.ac.ir

ABSTRACT

Introduction: As self-differentiation is a process that reflects one's independence in the emotional and rational dimension, in which one learns to make independent decisions and to have a rational love, affection, and intimacy. This research aimed to study the effectiveness of self-differentiation training based on Bowen's approach on positive feelings toward spouse in Married women in Isfahan.

Methods: The research method was quasi-experimental with a pretest-posttest design conducted on the control group. The statistical population consisted of counseling applicant women in the city of Isfahan in 2019. Sampling was voluntary. The announcement was installed at counseling centers, and 30 women were randomly placed into control and experiment groups. All participants filled out demographic and Positive Feeling (PFQ) questionnaires. Then, participants of the experiment group were trained in Bowen's self-differentiation in eight sessions. Data analysis was carried out using descriptive (Mean and standard deviation) and inferential statistical methods (analysis of covariance) at the error level of 0.05 and SPSS-24 software.

Results: The results indicated that teaching Bowen's self-differentiation significantly affected women's positive feelings towards the spouse ($p < 0.05$), which means that the differentiation training increases the positive feeling towards the spouse.

Conclusion: According to the results, teaching Bowen's self-differentiation can increase positive feelings towards spouses in women. Therefore, this technique can be considered a marital problem.

Keywords: Self-differentiation, Bowen's approach, Positive Feeling Towards Spouse, Married Women

How to cite this paper:

Saadat Mehr F, Khanjani Veshki S. Effectiveness of Self-differentiation Training Based on Bowen's Approach on Positive Feeling Towards Spouse in Married Women in Isfahan in 2019. J Community Health Research 2021; 10(3): 226-234.

Copyright: ©2021 The Author(s); Published by Shahid Sadoughi University of Medical Sciences. This is an open-access article distributed under the terms of the Creative Commons Attribution License (<https://creativecommons.org/licenses/by/4.0/>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Introduction

Family is one of the social units containing the most numerous and essential human interactions and is created based on marriage (1). Humans enter marital relationships due to various reasons. Along with sexual desires, which are the primary source of marriage, love, financial security, emotional support, escaping loneliness, and raising children are among factors that can create a desire for marriage in people (2). The more emotionally a person can control and direct his emotions, the more he experiences intimacy in relationships with his spouse, and in contrast, those unable to recognize their emotions have problems in relationships with their spouse (3).

In a typical encounter between two individuals, one-third of social concepts (information, meanings, and positive feelings) are transferred through verbal communication, while the remaining two-third are transferred through non-verbal communication (including movements, body language, eyes). Emotions such as empathy, sympathy, and satisfaction are among positive emotions. These feelings in people indicate their mental wellbeing and correctly expressing these emotions will result in improved relations, durability of family, and life satisfaction (4). Positive emotions must be expressed, but negative emotions with no positive interpretations must be avoided and we must instead attempt to modify and change these emotions (5).

Positive emotions increase feelings of wellbeing and empowerment and create happiness and hope, and negative emotions prevent happiness, resulting in feelings of sickness, emptiness, and loneliness (6). Positive emotions such as sexual attraction between two individuals, bonds with a friend, or achieving a difficult goal are uplifting. Positive feelings also have a restoration effect (7). When it is said that you must understand your emotions and let them grow and move toward their natural destinations, you must free yourself from negative emotions whenever possible to create a superior, more creative, and more constructive self. This self is superior because it frees you from support and needs rooted in pain and fear; is more creative

because it flourishes your forces in a way unique to yourself, and is more constructive because it frees you from the need for suppressing your emotions or wasting your energy and empowers you by familiarizing you with the nature of your emotions (8).

Beck(2011), in a study in unmarried adults or those with failed marriages, showed that these people have a general tendency toward problematic beliefs and maladaptive emotions (9). also there is a significant relationship between marital satisfaction with communication beliefs and irrational expectations of couples (10). Studies show that many factors influence “skillful social interactions”, “effectiveness: and “popularity,”; but the role of positive feelings and emotions is of great importance in this regard (11). Furthermore, one of the factors investigated during the investigation of marital satisfaction couples’ mental wellbeing is the level of self-differentiation of each partner in their married life and its effect on their relationship (12).

Self-differentiation is the most important aspect of Bowen’s theory (13). Bowen is one of the most well-known theorists regarding families and is the finder of family system theory (14). According to Bowen, the level of self-differentiation in each person shows one’s ability to differentiate emotional and logical processes. In other words, one’s level of success in planning and having specific values and beliefs, especially during stressful situations without having one’s behavior guided by emotional signals received from others, indicates one’s level of self-differentiation (15).

People with low levels of self-differentiation are controlled by involuntary emotional reactions and often show inefficient behavior even at low levels of anxiety caused by marital problems. In the theory of family systems, the key to the mental wellbeing of an individual is having access to both feelings of belonging to family and self-differentiation. In Bowen’s approach, family therapy is carried out in two stages, including evaluation interview, generational mapping, and therapeutic intervention (16,17)

Bowen's family therapy doesn't care about the current clinical problem and instead follows two treatment goals: first, decreasing the stressors and symptoms and increasing the levels of self-differentiation in family members to increase their compatibility (18). Therefore, according to Bowen's theory, increasing the levels of self-differentiation is the main tool. This is because people with high self-differentiation are self-guided, meaning that they understand their thoughts and emotions, express themselves, and feel no need for following other's unreasonable expectations. This means that these individuals don't lose control in highly emotional and unexpected situations, reducing the chance for wrong decisions and instead deciding through logic and thinking (19). Based on these facts and the effect of increased self-differentiation and couples' abilities for separation of thoughts and emotions on improving the quality of marital life and due to the lack of previous studies on the effectiveness of Bowen's self-differentiation on positive feelings toward one's spouse, the main aim of this study is to "Study the Effectiveness of Self-differentiation Training Based on Bowen's Approach on Positive Feeling Towards Spouse in Women in Isfahan".

Methods

This study is carried out using an experimental design approach with pretest-posttest and control group. In this study, self-differentiation training therapy using Bowen's approach was used as the independent variable, and positive feelings toward the spouse were used as the dependent variable. The study's statistical population included all married women visiting consolation centers in the city of Isfahan in 2019. Sampling was carried out using voluntary sampling. In order to determine the sample size, due to the lack of cooperation of many eligible individuals, the minimum acceptable volume was used according to Delavar (2015), which considers 30 subjects as an acceptable number of samples in experimental research (21).

It should be noted that sampling in experimental and non-experimental research has a relatively different implication. In experimental research,

you try to create different communities in a homogeneous subgroup from the beginning by applying different experimental measures. The purpose of sampling here is to make sure that all subjects belong to the same community before being exposed to the experimental design (22). To this end, volunteer married women were interviewed regarding inclusion criteria, and in case of having all inclusion criteria, the volunteers were invited to participate in the pretest. Among these, 30 individuals with scores lower than average or below the cutoff point were selected, and 15 of these women were randomly assigned to the control group, and 15 others were assigned to the experiment group.

The training was carried out in eight sessions and was held once per week for 90 minutes each as group sessions (the training was carried out as a workshop, and after each session, assignments were given to the participants in order to help them understand their own problems). The summary of training sessions is presented in table 1. The Control group did not participate in the training session and was instead placed on the waiting list for future marriage enrichment sessions. Finally, after the last session, participants in both control and experiment groups participated in the post-test.

Data gathering in this study was carried out using the demographic & Positive Feeling Questionnaire (PFQ). The first part of this questionnaire measures demographic details such as age, education, marriage length, and the number of children. The main positive feeling questionnaire was first introduced by O'leary (20) in a therapy clinic affiliated with New York State University. This tool includes 17 items that are designed to measure positive feelings and love toward one's spouse. This scale can be used to measure the effect of touch, loneliness or being with a spouse, kissing, and cuddling with one's spouse.

This questionnaire is divided in two sections scored using Likert's scale. The first section includes 8 items that ask the participants to score their general emotions toward their spouse in the last few months from 1 (severely negative

emotions) to 7 (severely positive emotions). The second section includes 9 items scored from 1 to 7 by the participants based on their emotions. The total score of “Positive Feeling toward spouse Questionnaire” is easily calculated as the sum of all scores. This questionnaire has a Cronbach’s Alpha coefficient of 0.94 which shows great reliability.

The validity of the “Positive Feeling toward spouse Questionnaire” was investigated by comparing its results with the results of “Marital Adjustment Test”, “Navaran Communication Scale”, Beck Depression Inventory”, Couples scores regarding marital commitment and the score of their positive behavior; all of which indicated very high validity. This questionnaire was converted to Persian by Mazaheri and Pouretamad

(1380) using translation and retranslation approach and includes items regarding emotions toward spouse (or fiancé). The introduction to the questionnaire states that “please answer each item based on your emotions in recent months. Select the score or rank which indicates your own real emotions, not the emotion you must or want to have toward your spouse” (23). In the present study, Cronbach’s alpha coefficient was equal to 0.91, which indicates that the collected data have good reliability.

After gathering the pretest and post-test results, data analysis was carried out using descriptive and inferential statistical methods. Mean and standard deviation were used at the descriptive level, while covariance analysis was used at the inferential level using SPSS-24 software.

Table 1. Summary of training sessions for self-differentiation using Bowen’s approach (Bowen, 1978) & (Yousefi, 1390)

Session	Goal	Content	Assignments
First	Interlocution and communication	Communication, commitment for participation in sessions, the introduction of self-differentiation, pretest	Determination of negative emotions
Second	Self-differentiation	Self-differentiation, differentiation between self and life problems	Personal views regarding self-differentiation
Third	Interlocution to destructive relations	Triangles and trigonometry, the effects of trigonometry, confronting trigonometry	Determination of self-differentiation levels and their dimensions
Fourth	Interlocution to the system of emotional relations	Family’s emotional system, the effect of emotional systems on self-differentiation	Type, length, effect, and solution for trigonometry
Fifth	Introduction to the intergenerational transfer	Family’s emotional system, the effect of emotional system on self-differentiation	Evaluation of emotional system
Sixth	Determining the level of emotional detachment from others	Emotional detachment, the effect of emotional detachment on marital relations	Determining the position of children
Seventh	Introduction to the effects of multigenerational transfer	The intergenerational transfer process, the method of creating the generational map, methods of transfer for self-differentiation	The list of emotional detachment behaviors
Eighth	Final session	Summary, conclusion, post-test	Practicing various skills

Results

The total number of participants was 30 individuals, 15 of which were placed in the experiment group and 15 in the control group, with both groups participating in pretest and post-test. Based on the demographic information, the mean age of the participants was 32.67 years, with a standard deviation of 4.17 years. In the control group, the highest percentage belonged to age groups of 26 to 30 and 36 to 40 for 13.3% each, while the age group with the highest percentage in the experiment group was 20 to 25 with a frequency of 16.7%. A total of 20% of the participants had a high school diploma, 33.3% had an associate degree, 33.3% had Bachelor's degree, and 13.3% had a master's degree or Ph.D. The mean length of marriage for the sample was 6.49 years, with a standard deviation of 2.81. Among the participants, 30% had no children, 36.7% had 1 or 2 children, 16.7% had 3 or 4 children, and 16.7% of the participants had five or more children.

Table 2 shows the descriptive results of the current study, including the mean and standard deviation of pretest and post-test scores obtained using PFQ for control and experiment groups. According to the positive feeling questionnaire results, the mean score for the experiment group was 56.33 for the pretest and 60.86 for the post-test (Table 2).

At the inferential level, covariance analysis was used to investigate the effectiveness of self-differentiation training using Bowen's approach on positive feelings of women toward their husbands in the city of Isfahan. In order to use the analysis of covariance, it is necessary to observe some conditions such as the normal form of data distribution, homogeneity of variance between groups, lack of significant relationship between the covariate and independent variables, and a significant relationship between the covariate and dependent variables. (24).

First, the Shapiro – Wilk test was used to confirm the normal data distribution for pretest and post-test. The results showed that data distribution is based on the normal distribution ($P > 0.05$), and the requirement for covariance analysis is met. In order to investigate the assumption of homogenous variances, the Levene test was used. The results were not significant ($P > 0.05$), which confirmed the zero hypotheses for the Levene test regarding homogeneity between covariate and dependent groups. Furthermore, the results of covariance analyses of regression slope and lack of comparison significance showed that the zero hypotheses regarding lack of equality between regression slopes was not confirmed, which means the equity of regression slope in the results is confirmed. Also, to examine the relationship between the covariate variable and the dependent variable, the Pearson correlation coefficient was used, equal to 0.43, which was significant at the error level of 0.05.

In the next step, covariance (ANCOVA) test was used to investigate the research hypothesis regarding the effectiveness of self-differentiation training based on Bowen's approach for improving the positive feelings of married women toward their spouse in the city Isfahan. The values of the F statistic for the group source were significant at $P < 0.05$, which shows that the training has been effective in improving the positive feelings of women toward their spouses. Based on eta coefficients, it can be said that 18% of the changes in positive feelings of married women toward their spouses can be explained based on self-differentiation training using Bowen's approach. Furthermore, test power confirms the sufficiency of data volume. Based on these results, the research hypothesis regarding the effectiveness of Bowen's self-differentiation training on increasing the positive feelings of married women in Isfahan toward their spouse was confirmed (Table 3).

Table 2. Findings regarding the description of positive feelings toward spouse in women, divided by control and experiment groups

Dependent variable	Groups	Pre-test Mean(SD)	Post-test Mean(SD)	P-value	Post-test Pre-test
Positive feelings toward the spouse	Control Group	55/53(6/75)	56/60(7/95)	0/12	1/07(0/96)
	Intervention group	56/33(6/53)	60/86(8/65)	0/03*	4/53(1/76)
	P-value	0/23	0/01*	-	0/01*

ANCOVA test, significance level $P < 0.05$

Discussion

This study aimed to investigate the role of self-differentiation training based on Bowen's approach in positive feelings towards husbands in women. The results showed that this training has been effective in improving women's positive feelings towards their husbands.

In the review of previous literature related to the hypotheses of the current study, no direct studies on the direct effects of Bowen's self-differentiation training on positive feelings toward one's spouse were discovered. However, since self-differentiation is a process indicating personal independence at emotional and mental levels, helping people in independent decision-making and use of logic, positive emotions, and closeness, the results obtained in the current study are close to the results obtained by Ghabishani et al., and Nabawi et al. studies which investigated the effect of family therapy with emphasis on Bowen's family system on loving styles and closeness in women (18,19, 23). Neuenschwander showed that self-differentiation is related to avoidance, attachment anxiety, and closeness feedback (28).

Jenkins also investigated the effects of Bowen's self-differentiation on Erikson's psychological development stages and concluded that self-differentiation levels have a positive correlation with psychological development (29). Gandy showed that training in reducing problems and self-differentiation in adults effectively improves closeness in couples (30). The results of the study by Bagher Nia showed that self-concept and positive feelings toward spouse are effective in improving marital satisfaction (31). Khalegh Khah et al., in their study, discovered that self-regulation couple therapy could be a useful program for improving the level of marital satisfaction and

positive feelings toward spouse (32). Furthermore, in their study, Hassaan Abadi et al. showed that the emotional-centered approach effectively increases positive feelings toward spouses in people with extramarital relations (33, 34).

Regarding the current study results, it can be said that the main requirement for a lasting marital relation and a healthy family is positive feelings of couples toward each other, their commitment, closeness, loyalty, trust, and certainty (7). Self-differentiation, which is the basis of Bowen's theory, shows that people have reached a level of emotional maturity that allows them to interact with their original family without reacting subconsciously and emotionally under various circumstances. In other words, people are self-differentiated when emotional and security needs cannot force them to lose or limit their individuality to receive love and acceptance from others. Having emotional maturity allows people to be skilled in understanding, managing, and expressing and receiving emotions and use this skill to improve closeness in their interpersonal relations and prevent the cooling of relationships (15).

Therefore, emotional maturity and having the ability to understand and express emotions in women participating in the therapy sessions resulted in their improved ability at interacting with their spouse, prevented them from worrying about losing the other side's approval, and made them aware of their own needs and their importance and helped them to act and make decisions based on logic and thoughts. Therefore, it is expected for self-differentiation training to improve participants' skills and assertiveness. Emotional cutoff describes the separation and isolation from the family of origin in order to

escape from conflict. Bowen states that running away from the family of origin is a sign of emotional dependence, which also causes vulnerability (13). Struggling to manage emotional problems with family members displays itself as a cutoff, which is the origin of unresolved attachment. Having an unresolved emotional attachment to their parents is a major issue for the differentiation of self (28). Bowen believes that when poorly differentiated individuals experience intense anxiety in the family, they are inclined to cut off emotional contacts within the family. Emotional cutoffs are usually transferred from the past generation to future generations, and they repeat. When there is cutoff with the past, it is likely also to have marital conflict, withdrawal, and emotional cutoff with the children.

For this reason, having family cutoff with the previous generation leads to dysfunction in the family and poorly differentiated people (9, 29). This training uses practical assignments during sessions, effective communication skills, and correct emotional relations to increase positive feelings toward the spouse. This helped participants to keep their connections to others while also maintaining their definition of self (outside and inside the relationship). This resulted in experiencing increased interpersonal communication skills and reduced mental strain. Bowen (1976) explains that well-differentiated individuals make their decisions using their logical thoughts. In their emotional life, they can experience intimacy and achieve closeness without fusion. They are able to deal with conflict, rejection, and separation (28). Dion also showed that Bowen's self-differentiation therapy is effective in emotional reactions and emotional cutoff (37). Self-differentiation training not only helps people to manage their emotions but helps couples to satisfy the emotional needs of each other through suitable emotional reactions and helps them experience positive feelings through their shared experiences, and creates a safe and desirable environment. Before this training intervention, women hadn't received proper self-differentiation training and showed negative

emotional reactions in stressful situations. The reason for this behavior is the mixing of logic and emotions in stressful situations and the "prioritization of feelings," which are among negative emotions due to their stressful sources.

After participating in this training program, women were enabled to self-regulate their emotional responses and were more capable of creating close and emotional relations. This type of close relationship is formed based on individual "self" situation and their positive emotional responses. Since having a "self" equals having personal beliefs and opinions in one's life and since self-differentiated people have strong senses of self or a more powerful self, they are less likely to change their opinions and behavior to satisfy others. Furthermore, one's "self" situation is related to their ability to maintain self-confidence in relations without fusion with others. As a result, these individuals avoid strong emotional responses under pressure or at sensitive times and act with more dominance. This results in higher tolerance for others' mistakes and higher evaluation of personal differences, turning them into more forgiving individuals(21). As a result, these women attempt to have more love, closeness, and understanding in relations with their spouse and receive more positive feelings, which is the same as the results presented by Nabawi et al. (23).

On the other hand, emotions take over logic in emotional responses, and personal decisions are made based on emotional responses. The severity and method of response to the outside and inside stimuli depends on this emotional response. Since this type of strong emotional response along with a strong self (self-differentiation) results in commitment, sensitivity, generosity, understanding, closeness, loyalty, responsibility, trust, and certain between couples, Bowen's self-differentiation therapy is successful in increasing positive feelings toward spouse and therefore improving the health of the family. These results are similar to the studies conducted by Gandy and Dion (28, 33).

One of the challenges of this study was lack of follow-up studies due to implementation problems,

limiting this study's ability to predict the long-term effects of this therapy method on positive feelings toward one's spouse. Furthermore, due to lack of male participants in the study, the role of husbands in the intervention and the effect of self-differentiation in husbands was not investigated which was another limitation of this study. Furthermore, due to limitations and given the multigenerational nature of Bowen's therapy approach, we suggest that future studies ask at least two generations (such as grandparents, family members, and husbands) to be present during therapy sessions. Regarding the sample size of the current study, it is suggested that more expansive studies with a larger number of participants be carried out and for the results obtained using this therapy method to be compared to the results of other therapy approaches.

Conclusion

Bowen's therapy's main aim is to reduce chronic anxiety through awareness of family emotional system, increased self-differentiation levels, and concentration on changing self instead of changing others. In general, when faced with a problem, self-differentiation training is considered to be a suitable therapy approach because differentiation is an indicator of personal independence at emotional and logical levels.

References

1. Yannai A, Gonczarowski A, Nisan N, et al .A stable marriage requires communication. *Games and Economic Behavior*. 2019; 1(119):1-32
2. Ahmadi, S. Investigating the necessity and importance of marriage and family formation. The first national congress of community empowerment in the field of sociology, educational sciences and social and cultural studies – 2016.
3. Alaqband, L, Sharifi, Hassan Pasha. A model for predicting emotional divorce based on emotional literacy, coping styles, quality of life, and emotion-mediated emotion regulation. *Journal of Mashhad University of Medical Sciences*. 2018; 62 (4.1): 288-402.
4. shahsiah, M. Effect of attachment-based couple therapy on sexual satisfaction and intimacy. *Journal of Fundamentals of Mental Health*. 2010; 12(46): 496-505. [persion]
5. Hajiyan Moghaddam F .Strong family pattern design. [Ph. D thesis]. Tehran: Unit of Science Researches. Faculty of Management and Economics. Islamic Azad University; 2015. [Persion]
6. Maleki A, Tariqati Anarki Z. Happiness, life satisfaction and psychological well-being among single and married women. Congress of the Iranian Psychological Association, 2017. [persion]
7. arianfar, N., rasouli, R. Design the online shopping model for women Structural Equation Modeling of the Predicting Marital Satisfaction on The Health of The Main Family and The Mediatory Variable of Lovemaking Styles. *Journal of Woman and Family Studies*. 2019; 7(1): 139-157 [persion]
8. Viscott D. The language of feeling. Translated by Masihi A. Publisher: Translator; 2016.

During this training, people learn to make independent decisions and have positive feelings toward their spouse based on logic and control of their emotions.

This approach can be used to solve various marital problems effectively. Therefore, given the effectiveness of Bowen's self-differentiation training in increasing positive feelings toward the spouse, this approach can be used in educational and consolation centers.

Acknowledgments

We hereby wish to thank all women who cooperated with us in this study. We also thank the manager of Aeein consolation center and all other staff members and consolers who helped us in this study. This article results from a master's degree dissertation in psychology with the code of ethics committee approved and the 18820706971008 registration code.

Author's contribution

All authors contributed to this project and article equally. All authors read and approved the final manuscript.

Conflicts of interest

There are no conflicts of interest among the author.

9. Beck A. Love is never enough. Translated by Qarache Daghi M. Tehran: Peykan; 2011.
10. Shayeste, g; Sahebi, A. and Alipour, A. Investigating the Relationship between Marital Satisfaction and Communication Beliefs and Irrational Expectations of Couples. *Family Research Quarterly*. 2016; 2 (7): 223-235 [persion]
11. Asimov I. Secrets of human brain Translated by Behzad M. Scientific and cultural Publishing; 2010.
12. Goldberg I. Goldberg H. Family Therapy. Translated by Shahi Barvati HR, Naqshbandi S, Arjmand A. 13th Edition, Tehran, Ravan Publishing; 2013: 209-226.
13. Bowen M. Theory in the practice of psychotherapy. In P. J. Guerin [Ed.], *Family therapy; Theory and practice*, New York, Gardner Prees; 1978: 42-90
14. Pirsaghi F. Haji Hassani M. Farahbakhsh K et al. Determining the Contribution of Marital Conflict, Self-differentiation, Control Source and Job Stress in Predicting Burnout. *Journal of Organizational Industrial Psychology Garmsar University*. 2012; 3 (9): 10-23. [Persion]
15. Goldenberg I, Goldenberg H. Family Therapy. Translated by Firouzbakht M, Tehran, Rasa Publishing 2015; 208.
16. Minuchin S. Families and family therapy. Routledge; 2018.
17. Geller M. How I Do Marital Therapy: A Bowenian Model. *group*. 2018;42(2):159-65.
18. Popovic M. Bowen family system theory. *Marriage and Family Therapy: A Practice-Oriented Approach*. 2018.
19. Gladding ST. Family therapy: History, theory, and practice. Pearson Higher Ed; 2014 Apr 23.
20. O'leary K D, Fincham F, turkewits H. Assessment of positive feelings toward spouse, *Journal of consulting and clinical psychology USA*. 1983; 51: 949-951.
21. Delavar, A. Theoretical and practical foundations of research. Tehran: Varaish Publishing, 2015.
22. Tabachnick BG, Fidell LS, Ullman JB. Using multivariate statistics. Boston, MA: Pearson; 2007.
23. Sanaei, B. Measurement and Family and Marriage Scales. Tehran, Ba'sath Publications. 2016; 79- 82. [persion]
24. Khammar A, Yarahmadi M, Madadzadeh F. What is analysis of covariance (ANCOVA) and how to correctly report its results in medical research?. *Iran Journal Public Health*. 2018.
25. Ghabishani AS. The Effectiveness of Self-differentiation Training Based on Bowen's Family Therapy Approach on Interdependence and Marital Intimacy of Arab Couples in Abadan. Isfahan: Faculty of Humanities, Khomeinishahr Azad University; 2017. [persion]
26. Sharf R. Psychotherapy and counseling theories. Translation by Mehrdad Firuzbakht. Tehran: Rasa; 2016
27. Nabawi Hasar J, Arefi M, Yosefi N. The Effectiveness of Family therapy with emphasis Bowen emotion Sistem and Intimacy women. *Biannual Journal of Applied Counswling* 2014; 4(2): 83-98. [persion]
28. Neuench wander LA. Attachment and intimacy: mediating affects of self differentiation. *Trial* 2010; 37, 00.
29. Jenkins S M, Buboltz W C, Schwartz P J, et al. Differentiation of self and psychosocial development, contemporary Family Therapy. 2005; 27(2): 251-261.
30. Gandy P A. Psychoeducational group treatment model for adolescence with behavior problem based on an integration of Bowen theory (BT) and Rational - Emotive therapy (RET). California school of professional psychology. San Francisco campus Allian international University; 2007.
31. Bagherinia H. The relationship between self-concept and positive feeling to spouse with marital satisfaction among married women in Education Department of Bojnord city. *Journal of Fundamentals of Mental Health*. 2017; 21;19(special issue):296-304.[persion]
32. Khaleghkhah A, Ghamari givi H, Marandi M. The Effectiveness of Self-Regulation Couple Therapy in Marital Satisfaction and Positive Feelings. *Journal of Family Counseling and Psychotherapy*. 2015; 5(4): 77-97. [persion]
33. Hassan Abadi H, Mojarad S, Soltanifar A. The Effectiveness of Emotional Therapy (EFT) on Marital Adjustment and Positive Feeling of Couples Out of Marriage. *Journal of Clinical Psychology Research & Counseling*. 2011; 1(2): 25-38. [persion]
34. Manne S L, Mycrs-virtue S, kashy D, et al. Resilience, Positive coping, and Quality of life Among women Newly Diagnosed with Gynecological Cancers. *Cancer nursing* . 2015; 38(5): 375-382.
35. Haefnrr J, An application of Bowen family systems theory. *Issues in Mental Health Nursing*. 2014; 35, 835-841.
36. Bridge E N. Review of a case study in light of Bowen theory: Differentiation of self. *Life Psychology Department*, 2019; 3(5): 65-72.
37. Dion AR. A single case study of a survivor of suicide using Bowen therapy and grief counseling. 2004.