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Effectiveness of Integrated Model of Emotionally-Focused Therapy and Gottman's Model in Internal Cohesion and Reduction of Controlling Behaviors in Couples Faced with Marital Infidelity

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Abstract

Background and Objective: Marital infidelity is considered a shocking issue for couples and families and common phenomenon for counselors and therapists. The purpose of this study was to compare the effectiveness of an integrated model of emotionally-focused therapy (EFT) and Gottman's model in internal cohesion and reduction of controlling behaviors in couples faced with spousal betrayal.

Materials and Methods: This quasi-experimental study was carried out on two experimental groups and one control group with a pretest-posttest design. The statistical population of the study included all the women referring to one of the counseling centers in Tehran, Iran, during 2018-2019 due to marital conflicts, problems related to satisfaction, and need for the improvement of marital relationships. The study population was chosen based on purposive sampling after the random screening. The data were collected by the Internal Cohesion Questionnaire and Controlling Behaviors Questionnaire. Descriptive and inferential statistical methods and multivariate analysis of covariance were used to eliminate the effect of pretest using SPSS software (version 22).

Results: The obtained results showed that the integrated model of EFT and Gottman's model had a greater effect on the comprehensibility of the experimental groups than that of the control group. Moreover, the findings demonstrated that EFT and Gottman's model had a significant effect on the reduction of controlling behaviors (P<0.001). The results also revealed that the integrated model of EFT and Gottman's model had a significant effect on internal cohesion and controlling behaviors, and this effect was lasting at follow-up (P<0.001).

Conclusion: It can be concluded that the combination of EFT and Gottman's therapy is an effective pattern in couples affected by infidelity and can be used as one of the therapeutic or educational methods in couple therapy programs.

Keywords: Couple therapy, Emotions, Extramarital relations, Marriage, Spouses

Background

Marital infidelity is considered a shocking issue for couples and families and common phenomenon for counselors and therapists [1]. Extramarital affairs create a great deal of confusion for couples. Based on the evidence, it was shown that most individuals expect monogamy and no extramarital affairs from their spouses [2-5]. The main victims of this phenomenon in the family environment are first women and then children and finally men [6]. Controlling is a problem that has received more attention in recent centuries. The main premise of controlling is that if individuals feel dissatisfied with a relationship, they will not feel responsible for it; however, they blame others and those out of control [7, 8].

Internal cohesion is considered one of the factors which are effective in the reduction of harms and controlling behaviors among couples faced with marital infidelity [9, 10]. Antonovsky defined the concept of internal cohesion while focusing on the model, which supports factors leading to human health and well-being instead of the ones resulting in diseases [11, 12]. Although this concept has three dimensions, they are practically defined on a single scale theoretically reflecting the general direction of life [13]. Feelings of strong inner cohesion are related to a high capacity for mental and physical coping with stress and challenges occurring throughout an individual's life [14]. Therefore, studies demonstrated that individuals

with strong cohesion are more successful in coping with stress [15].

One of the therapies increasing internal cohesion among couples faced with marital infidelity and improving the reduction of controlling behaviors is the integrated model of emotionally-focused therapy (EFT) and Gottman's model [16]. Accordingly, some efforts have been made to combine specific components of different approaches in a systematic manner and coherent and integrated model. Integrated approaches have unique benefits, including creating a broader basis for intervention and flexibility in the clients' therapy [17]. Today, Gottman and Johnson are known as effective scholars in couple therapy [18] by developing a variety of training programs to strengthen couples' relationships. Gottman's theory is an integrated approach that is based on the doctrinal principles of various systemic, existential, psychoanalytical, and behavioral theories [19]. Similarly, Iohnson emphasizes relationships, attachment styles, and interaction cycles in EFT [20].

The EFT refers to the important role of emotions and communication in organizing communicational patterns and regards emotions as change factors [21]. The EFT aimed to help couples achieve latent emotions and facilitate positive interactions. In addition, in a study on EFT for couples whose spouses have breast cancer, with a theoretical basis and descriptive case study, Adamson [22] observed that for a couple with a sick spouse, both spouses experience a great deal of emotional distress. Furthermore, Soltani et al. [23] demonstrated that EFT reduces couples' distress.

Gottman's [24] therapeutic approach includes organized programs and methods called regular and logical treatment processes, designed to deepen friendships, strengthen dispute management, and create common sense and purposefulness in couples' relationships [25]. Furthermore, Davis D, Shaver PR, and Vernon [26] investigated the effectiveness of Gottman's approach in relationship satisfaction, quality of friendship, and destructive marital conflicts within a year. In addition, Rajaee [27] showed the effect of Gottman's intervention on the reduction of emotional divorce. Razi [28] indicated that teaching Gottman's conflict resolution skills increases marital satisfaction.

Since couples faced with marital infidelities face many psychological, social, and emotional problems and harms, leading to tensions in various dimensions, it is difficult to regulate their emotions, beliefs, thoughts, and interpersonal relationships.

Objectives

This study aimed to determine the effectiveness of

the combined model of EFT and Gottman's model in internal cohesion and reduction of controlling behaviors in couples faced with marital infidelity.

Materials and Methods

This quasi-experimental study was carried out on two experimental groups and one control group with a pretest-posttest design. The statistical population of the study included all the women referring to one of the counseling centers in Tehran, Iran, (i.e., Ganj-e-Daroun Flourishing Counseling Center, Third Way Center, and welfare-related centers) during 2018-2019 due to marital conflicts, problems related to satisfaction, and need for the improvement of marital relationships. The study population was chosen based on purposive sampling after the random screening.

Internal Cohesion Questionnaire

It is a 50-item questionnaire developed by Kimiai, Arqabai, and Jozi in 2013. This questionnaire has three subscales for the measurement of the levels of individual comprehensibility, manageability, and meaningfulness of events. The significant scales include 23 items, 6 manageability scales, and 20 comprehensibility scales, scored based on a 5point Likert scale from very low (1) to very high (5). The minimum and maximum scores are considered 5 and 115, respectively. The higher and lower scores indicate higher and lower internal cohesion, respectively. The Internal Cohesion Questionnaire has a good internal consistency, and the Cronbach's alpha coefficients are 0.935, 0.92, 0.65, and 0.886 for the whole scale, significant subscale, manageable subscale, and comprehensible subscale, respectively [29].

Controlling Behaviors Questionnaire

The marital controlling behaviors scale was developed in 2005 by Graham-Kavan and Archer for the evaluation of controlling behaviors. This is a 24-item tool examining the couples' controlling behaviors in marital life. Five more items were added to the scale for the couples who have children. The respondent should determine on a 5-point Likert scale (from 0 to 4) to what extent the spouse and his wife perform each one's desired behaviors. The minimum and maximum scores are considered 0 and 96, respectively. The Cronbach's alpha coefficients are 0.95, 0.82, 0.71, 0.88, 0.69, 0.84, and 0.90 for the whole scale, children's phrase subscales, economic control subscale, threatening control subscale, controlling through intimidation subscale, emotional control subscale, and control through isolation subscale, respectively [30].

Table 1. Teaching the integrated Gottman's model and emotionally-focused therapy

Session	Content
First	Establishing professional and empathetic communication; familiarizing with members and asking questions about their expectations from attending the training course; stating the goals and rules of the training sessions; completing research questionnaires as a pretest
Second	Familiarizing with the types of attachment styles; familiarizing with the cycle of negative interactions; identifying underlying and unexpressed emotions
Third	Summarizing the concepts of emotionally-focused therapy
Fourth	Familiarizing with a variety of daemon dialogue patterns
Fifth	Familiarizing with the concept of raw situations and the importance of identifying these situations; revisiting a rocky moment
Sixth	Familiarizing with divorce indicators and four riders of destiny; familiarizing with the style of starting arguments
Seventh	Familiarizing with the specifications of various types of marital infidelity and seven principles of a secure relationship house introduced by Gottman (1999)
Eighth and Ninth	Accepting influence and compromise (i.e., fourth principle); teaching ways to manage solvable problems (i.e., fifth principle), ways to overcome perpetual problems (i.e., sixth principle), and creating shared meaning (i.e., seventh principle)
Tenth	Facilitating the expression of needs and wishes as well as new solutions to old problems; healing injuries; consolidating new situations and positive interactive cycle; closing sessions; performing posttest and survey on participants

The inclusion criteria were interest and commitment to active and regular attendance at therapy sessions, no history of severe mental and emotional disorders, and no addiction, conflicts, and problems related to marital infidelity. The experimental groups participated in 10 sessions of 90 and 120 min, and the techniques and methods of communication imaging and integrated model of EFT and Gottman's model were presented step by step through weekly assignments and regular exercises by a consultant.

To observe ethical and professional principles, the researcher obtained the voluntary consent of all the study subjects for participation in the study. The integrated Gottman's model and EFT was developed by the researcher under the supervision of professors using theoretical and research

backgrounds, concepts of exciting approach, and intervention program developed by Johnson based on the EFT model and Bowlby Attachment Theory [30], and some key categories of the Gottman's model (Table 1).

The statistical methods, descriptive methods (e.g., mean and standard deviation), and Levene's test were used to analyze the data. Analysis of covariance was utilized to test the hypotheses by SPSS software (version 22).

Results

The descriptive findings included the statistical indicators (e.g., mean and standard deviation), number of sample subjects, and frequency table and percentage, which are presented for all the variables in the following tables (Tables 1-4).

Table 2. Mean and standard deviation of study variables based on assessment stage in study groups

Group	Variable	Index	Pretest	Posttest	Follow-up
	Control	Mean	13.10	80.10	20.98
Internal cohesion	Control	SD	40.90	65.60	62.60
internal conesion	Companies and al	Mean	67.11	93.15	93.14
	Experimental	SD	14.01	43.11	11.02
	Control	Mean	56.47	54.20	51.93
Understandability	Control	SD	8.32	7.30	7.30
Onderstandability	Experimental	Mean	60.87	81.20	80.07
		SD	7.31	8.12	7.88
	Control	Mean	10.47	12.00	10.00
Manageability	Control	SD	2.47	2.36	2.36
Manageability	Experimental	Mean	12.53	17.0	16.20
	Experimental	SD	3.11	4.18	4.18
	Control	Mean	39.20	38.60	36.27
Significance		SD	6.06	4.42	3.51
Significance	Experimental	Mean	41.27	54.33	53.67
	Experimental	SD	8.43	7.90	7.86
	Control	Mean	53.60	52.93	58.80
Controlling behaviors	Control	SD	7.40	7.44	7.19
Controlling behaviors	Experimental	Mean	56.73	16.53	24.13
	Experimental	SD	8.66	5.68	5.94
	Control	Mean	8.87	9.00	10.13
Economic control	Control	SD	2.50	2.48	2.47
Economic control	Experimental	Mean	8.67	3.20	4.27
	елреншена	SD	1.35	1.70	1.75

Table 1. Continued 9.47 Mean Control 1.92 SD 2 24 2 34 Threatening control Mean 9.87 2.40 3.67 Experimental SD 2.39 1.40 1.68 Mean 7.20 7.27 8.47 Control Controlling through SD 1.57 1.87 1.81 8.33 Mean 4.20 intimidation 2.87 Experimental SD 2.44 1.30 1.15 Mean 9.35 9.27 10.27 Control 2.52 SD 2.45 2.52 Emotional control 10.33 3.07 4.47 Mean Experimental 1.10 0.83 SD 2.69 Mean 9.13 8.80 9.87 Control Controlling through SD 2.17 2.01 1.96 9.33 2.40 3.67 isolation Mean Experimental 1.40 SD 2.53 1.40 Mean 9.87 9.87 10.60 Control SD 2.03 2.03 2.16 Children-related control 10.20 2.60 3.87 Mean Experimental 2.03 SD 2.87 2.03

SD: Standard deviation

Table 3. Multivariate analysis of covariance of internal cohesion and controlling behaviors scores in three groups

Statistical index/Effect	Test	Value	F	Df hypothesis	Df error	Sig	Eta coefficient
Difference among three	Pillai's Trace	1.06	14.25	6.00	76.00	0.001	0.53
Difference among three	Wilks' Lambda	0.04	52.74	6.00	74.00	0.001	0.81
groups and pretest effect	Hotelling's Trace	24.20	145.22	6.00	72.00	0.001	0.92
control	Roy's Largest Root	24.10	305.20	3.00	38.00	0.001	0.96

Table 4. Results of univariate analysis of covariance

Statistical index/Variable	Source of change	SS	Df	MS	F	Р	Eta Square
Internal cohesion	Group	13893.73	2	6946.87	41.82	0.001	0.68
Internal cohesion	Error	6478.19	39	16.11			
Controlling behaviors	Group	11703.53	2	5851.77	56.21	0.001	0.79
Controlling behaviors	Frror	1083.89	39	27.79			

The three groups were homogeneous based on the distribution of the demographic variables. Before performing the analysis of variance, the Shapiro-Wilk and Levene's tests were used to examine the required assumptions. The Shapiro-Wilk test for the distribution of the study variables in the pre- and posttest stages indicated that the study variables had a normal distribution. The Levene's test was used to predict the homogeneity of the error variances. The results of the Levene's test showed that the homogeneity assumption of variances was accepted. In addition, examining the homogeneity of regression slopes demonstrated that the assumption of homogeneity of regression slopes established. Therefore, there were the assumptions required for performing multivariate analysis of covariance (MANCOVA). Table 4 tabulates the descriptive indicators with the results of covariance analysis.

As shown in Table 3, there is a significant difference between at least one of the variables of internal cohesion and controlling behaviors of couples faced with marital infidelity who were treated and couple-controlled marital infidelity (P<0.05).

As shown in Table 4, there is a significant difference

in the variables of internal cohesion and controlling behaviors of couples faced with marital infidelity of the experimental group, compared to that of the control group. As the results indicated, the levels of significance obtained for internal cohesion and controlling behaviors were lower, compared to the significance level of 0.001 obtained from the Bonferroni correction.

Discussion

According to the results of the present study, the means of the posttest stage indicated that the integrated EFT and Gottman's model had a significant effect on controlling behaviors and internal cohesion, compared to those reported for the control group. The results of the present study are in line with the findings of studies carried out by Wiebe et al. [31], Wiebe et al. [32], and Wiseman et al. [33]. In this regard, Fincham et al. [34] conducted a study on an integrated EFT and Gottman's model and its effectiveness in the quality of marital relations among married women. The results of the aforementioned study demonstrated that teaching integrated EFT and Gottman's model significantly increased the quality of the marital relationship and

all its six subscales (i.e., satisfaction, trust, commitment, sexual passion, intimacy, and love). In addition, the effectiveness of the present integrated model training was lasting after a month. Therefore, the results showed that training the integrated EFT and Gottman's model was used to improve the quality of marital relations among married women.

The results of the current study also demonstrated identifies negative emotions EFT individual's maladaptive emotions by emphasizing and targeting the behaviors in a stepwise fashion, respectively, and finally tries to change them with some methods and techniques [35]. In this treatment, individuals learn how to identify their range of emotions and that of others and how to adjust and manage them. Intense negative emotions are considered among the most common causes of harm to women through infidelity. In addition, these individuals can be altered through identification, expression, and substitution due to feelings of shame, embarrassment, and anger caused by infidelity [36]. Moreover, it was shown that their emotional responses are accepted techniques, such as validation, and the blocked experiences can be expressed without judgment and reproach [37].

Furthermore, internal cohesion among couples is improved due to the effect of appropriate communication on a couple's relationship damaged by infidelity and core of the Gottman's approach as the right way to talk and listen to each other in marital relationships [35]. Obviously, communication problems and inability of couples affected by infidelity to properly and correctly communicate are among the most important causes of conflicts leading to dissatisfaction, incompatibility, and lower quality of marital life.

In addition, the couples' awareness of the right communication skills results in greater satisfaction and compatibility in marital life. Therefore, training couples through Gottman's approach prevents unhealthy communication patterns in couples and improves their relationships, which in turn increases the compatibility or prevents or reduces the incompatibility of couples, which has the preventive, developmental, and healing roles [37].

The limitations of the present study were the short duration of the training sessions in comparison to the depth of the psychological harm. In addition, it was not possible to control the intervening variables, such as limited age range and number of children, due to the difficulty of access to the desired subjects. It is recommended that family counselors and psychologists use the therapies presented in the current study, especially the integrated EFT and Gottman's model, to increase

the compatibility and cohesion of couples' relationships.

Conclusions

It can be concluded that the combination of EFT and Gottman's therapy is an effective pattern in couples affected by infidelity and can be used as one of the therapeutic or educational methods in couple therapy programs.

Compliance with ethical guidelines

All the ethical principles were observed in the present study. The participants were informed about the purpose of the study and implementation of the stages. In addition, informed consent was obtained from all the study subjects. The participants were also assured of the confidentiality of their information. Moreover, the subjects were free to withdraw from the study at any time, and the results of the study would be available to them if desired.

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Authors' contributions

Conceptualization [Mahdieh Hashemi]; Methodology [Javad Khalatbari]; Investigation [Javad Khalatbari]; Writing Original Draft [Shohreh Ghorban Shiroudi]; Writing, Review, and Editing [All authors]; Funding Acquisition [All authors]; Resources [All authors]; Supervision [Javad Khalatbari]

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Conflicts of Interest

The authors declare that there is no conflict of interest.

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