

Effectiveness of Transactional-Analysis Group Training on Reduction of Prisoners' Aggression

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Abstract: The main aim of current study was to survey on the effectiveness of transactional analysis group training on the prisoners' aggression reduction. The 24 voluntary prisoners (Experimental Group = 12, Control Group = 12) were selected using available sampling method and has been observed objectively as well as been scored using the Spielberge Aggressive questionnaire. The experimental group was trained under the transactional analysis training for 12 sessions. The results indicated a significant effect of the transactional analysis training on the on the prisoners aggression decreasing.

Key words: Transactional, analysis training, aggression, prisoners, Iran

INTRODUCTION

A review of research shows that aggression is among the common behavior problems insofar as in the US, nearly a quarter of the population somehow experience this behavior during their life (Department of Health Group, 2001). Studies also indicate that the prevalence of this disorder among samples of convicted and imprisoned individuals are much higher than other people (Bickel and Campbell, 2002). Aggression is generally arises due to failure to achieve the goal or inappropriate behaviors such as insults, trauma or reasonless fear. Children generally reflect aggression due to negligence or failure to perform duties. In adolescence, the most important source of aggression is attributed to social limitations and factors and in adulthood the origin of aggression is disapproval, exclusion, exploitation and humiliation (Strickland, 2001). Shane (1989) indicates that patients with mental problems and illnesses, attack staff and other patients 5 times more than other patients do. A review of the figures demonstrates the need to create an atmosphere in prisons and detention centers based on which prisoners receive appropriate individual or group treatments. Rehabilitation and emphasizing psychological rehabilitation techniques on anger management for patients (as a psychological-educational intervention), especially for those who have cognitive deficits and psychiatric disorders, are very useful and effective (Taylor and Novaco, 2005). The effectiveness of anger control methods is approved in several studies; for example, in a

study conducted on the efficacy of short-term anger management programs among adolescent prisoners, found that the experimental group patients who received anger management skills training had a better psychological status compared to the control group patients and were able to control their anger. Among the various training methods that have different applications in various contexts of psychoanalysis is Eric Berne's transactional analysis (henceforward TA). The TA view is a system of psychotherapy used in the treatment of psychiatric disorders, from daily problems to very deep psychosis. Concepts such as the ego-state (parent-adult-child) model, interaction, caress, draft of life, mental game, independence and self-obey is used in this theory (Stewart and Jonies, 1989). Chapman (2007) defines TA as a type of social psychology that aims to improve communication. In this theory attempts are made to move people to reach a level of growth by which they can solve their own problems. TA is used as a method for success, grow and help people in life, work and personal growth. The TA method is a rational approach that assists an individual to analyze and understand his/her own behavior as well as to acquire knowledge and take responsibility, according to what is happening in the present time (Stewart and Jonies, 1989).

This is one of the most palpable theories of modern psychology which is performed mostly as a model of interpersonal communication. It is also a very common method of treatment (Tudor, 2002).

The purpose of TA is to release the adult ego-state from the harmful effects and the parent ego-state and the child ego-state, thereby, creates the desired behavioral changes. In other words, this approach seeks to achieve one's self-knowledge to know how to act in the face of the environment. According to Berns, steps of behavior change include: the elimination of inappropriate behavior, psychological discharge, description of and clarifying the communication methods and new orientation. TA group training, in a secure and supportive environment, allows clients to explore the issues and implications of ego. addressing the issues and concepts related to ego, leads to insight, self-knowledge, breaking the resistance and ultimately treatment of the disorder symptoms. Since many psychologists and experts attribute aggressive behaviors to a lack of interpersonal communication skills, TA can reduce aggressive behaviors using techniques such as increasing social and group interactions and extending interpersonal experiences.

Changes in cognitive insight, consciousness levels, social skills training, deepening and broadening individual experiences, understanding strengths and weaknesses and creating emotional and cognitive integration are among the reasons of improvement (Shafieabadi and Naseri, 2006). Several studies have shown that TA-based interventions reduce marital conflict. Additionally, Cassico believes that training clients how to interact using TA can help them, in a short time, to improve communication and increase the efficiency of family members in different situations. Lawrence (2007) suggested that adoption of TA can enhance information about methods of interpersonal relationships and thereby increase more effective communication. According to the above mentioned issues, the main hypothesis of the present study is: transactional analysis training has an effect on prisoners' aggression.

MATERIALS AND METHODS

The study population included all prisoners of the city of Doroud during. The sample consisted of 24 prisoners residing in Doroud which were selected through applying availability sampling method on the basis of objective observations and scores on the Spielberger State-Trait Anger Expression Inventory. The participants were randomly divided into two groups of experimental (N = 12) and control (N = 12). The design was pretest-posttest with control group. The State-Trait Anger Expression Inventory (STAXI-2SS) was used for data collection. The questionnaire consists of 57 items

including six scales, five subscales and an indicator for expression of anger which provides an overall level of anger control and expression. Analysis of covariance was used to test the hypothesis and to investigate the effect of TA on prisoners' aggression reduction.

RESULTS AND DISCUSSION

Findings: As seen in Table 1, all aggression sub-scales mean scores used to show a decreasing in post-test compared with pre-test stage. In order to find how transactional analysis training caused to the aggression reduction, an analysis of covariance (ANCOVA) was used and the results are presented in Table 2.

In order to test the homogeneity-of-regression (slope) assumption, the Levene's Test of Equality of Error Variance was used and the results indicated that the underlying assumption of homogeneity of variance for the one-way ANCOVA has been met, $F(1, 23) = 0.722, p < 0.1$.

As Table 2 shows, the transactional analysis training used to decreasing prisoners aggression for all aggression sub-scales. In the other word a significant difference on the aggression mean rating can be seen between pre-test and post-test measures (Table 2).

The same analysis has been done for results obtained from follow up study to compare two studied groups (with and without the transactional analysis training) (Table 3). As seen in Table 3, the results obtained from follow up study shows a significant effect of the transactional analysis training to the prisoners aggression reduction.

Table 1: Some descriptive statistics for aggression sub-scales

Sub scales	Stages	M	SD
Angry State	Pre-test	46/958	4/685
	Post-test	33/875	6/654
	Follow up	33/125	7/415
Angry trait	Pre-test	27/833	4/724
	Post-test	24/791	3/092
	Follow up	24/916	3/386
Angry projection	Pre-test	21/125	2/401
	Post-test	17/125	3/340
	Follow up	16/899	2/963
Angry introjection	Pre-test	19/791	19/791
	Post-test	17/984	17/984
	Follow up	18/026	18/026
Angry projection control	Pre-test	18/250	18/250
	Post-test	16/541	16/541
	Follow up	16/001	16/001
Angry introjection control	Pre-test	21/075	21/075
	Post-test	17/721	17/721
	Follow up	18/129	18/129

Table 2: Tests of between-subjects effects dependent variable: Post-test aggression sub-scales scores

Sub-scales	Source	Type III sum of squares	df	Mean square	F	Sig.	Eta-square
Angry state	Group	38/098	1	38/098	11/367	0/001	0/387
Angry trait	Group	31/994	1	31/994	6/623	0/001	0/269
Angry projection	Group	62/031	1	62/031	6/494	0/001	0/265
Angry introjection	Group	43/677	1	43/677	5/579	0/001	0/237
Angry projection control	Group	59/40	1	59/40	7/391	0/001	0/291
Angry introjection control	Group	58/048	1	58/048	7/903	0/001	0/305

Table 3: Tests of between-subjects effects dependent variable: follow-up aggression sub-scales scores

Sub-scales	Source	Type III sum of squares	df	Mean square	F	Sig.	Eta-square
Angry State	Group	41/210	1	41/210	9/277	0/001	0/572
Angry Trait	Group	34/343	1	34/343	5/471	0/029	0/207
Angry Projection	Group	75/031	1	75/031	12/586	0/002	0/265
Angry Introjection	Group	64/594	1	64/594	11/469	0/003	0/353
Angry Projection Control	Group	72/532	1	72/532	7/361	0/013	0/260
Angry Introjection Control	Group	85/548	1	85/548	10/114	0/005	0/325

CONCLUSION

The aim of this study was to evaluate the effectiveness of Eric Berne's transactional analysis training on aggression reduction among prisoners. According to the results (Table 2 and 3), TA is an appropriate and effective method to reduce aggression of prisoners. These findings are consistent with other research, suggesting the effectiveness of TA in improving communication skills. TA is in fact a global idea to communicate in a variety of cultures.

This theory attempts to move people to reach a level of growth by which they can solve their own problems. TA can reduce aggressive behaviors using techniques such as increasing social and group interactions and extending interpersonal experiences. TA is a response to aggression, since it provides a method for self-knowledge and learning how to communicate with others (Tudor, 2002; Lawrence, 2007). In fact, TA is a rational approach that assists an individual to analyze and understand his/her own behaviors as well as to acquire knowledge and take responsibility, according to what is happening in the present time (Stewart and Jonies, 1989).

Overall, it could be argued that interaction training using TA can help clients, in a short time, to improve their communications and increase the efficiency of family members in different situations (Lawrence, 2007) and as a result reduce aggression.

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