The Effectiveness of Music Therapy Methods and Token Economy on the Amount of Chips Aggressive Mean Mentally Disability Male Children Boy of Ghoochan City Rehaliliation Center

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ABSTRACT

The determination of The research design has been experimental and pretest and sub test type with two experimental group and a control group. This study sample incuded to children, mentally disability boy to average of rehaliliation center Ghochan city of this population following the implementation of aggressive testing of 30 patients who were aggressive to select method random sampling in three groups experimental and control were studied that each group 10 cases incuded. To collect data from questionnaires aggression AGQ were used. Three groups before, after of follow – up period were measured. Resulted date has been analyzed using multi variable convariance test. The results show that two methods of music therapy and token economy effective to reduse aggression levels of mentally low ability children. Also Lamatrix method found that method token economy chips (13.111) most of the music theraspy on children's aggression is much reduced.

KEYWORD : Music therapy methods, token economy, aggressive, mean mentally disability

INTRODUCTION

One of the most important social problem and difficulties is especially children of nursery centers. Behavioral and psychic abnormalities like aggressiveness and methods of contrast today whit them in various society.

Aggressiveness is one of the most current problems mentally handicapped children that has be destructive effect one social competence and skilled and relations between persons (Ahadi and Bani Jemal, 1997).

Some of researches know aggression whit basis of strong heredity and some of the other experiences of live consider as main determinations in aggressive (Sdorow, 1998).

Although aggressive is clinical and social problem, many control methods for it. In control aggression at first we should pay attention to cause and origin of aggressive behavior them know aggression motives in child take action in of proportion everyone of produced motives (Navabi Nejad, 1973). Aggressive behaviors have several causes that like biological reasons, social, psychic, cognitive.

Experiences related to learning, frustration, insult speech or negative evolution by other person and etc (Ross, 1981). In onther hand, children hood and adolescence aggressions not only lead to aggressions in adult but also has other negative results that make criminal, stagnation disorder, incompatible at school and addiction (Luchman & Dunn).

Considering that the problem, the goal of education in mentally disability children increase the amount of agreeable in these children whit their environment. Mean mentally disability children (trainable) because have low level in moral reason, not true perception of laws and social rules, stop mental transition and continuous defeat in living don't enable diagnosis situation and means for desired behavior so every remedical methods must based on control conditions education and einclination and extraverty excited stresses (Delkhash – Navaz, 2004).

Since used of different remedial methods in create and develop agreeable answers in these children. For decrease aggressive behaviors must combine music therapy method and other methods or improve behavior methods (token economy). Maybe these methods had be useful effect over control aggression and covered many people. Because this group treatment in short time so will earn high efficiency in compared with other methods (Mohamadi, 2006). Music therapy had been succeed in between different inabilities like mentally handicapped delayed growth physical handicap and psychical disease. If you listen to pretty music and you can create aggression condition in youth and even aggravate in (Tabibian, 2005).

Token economy method is one of technique use of reinforce methods that change treatment.

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Behavior by more behaviors in many of people and behavioral systems like based on conditioning (Burger, 1993).

Areffipoor and Dadkhal's (2000) research based on effect of music in control aggression low hypophrened children that result in music method and music therapy has effectual role in decrease aggression.

Tabatabii Nejad (2000, studies about effectual token economy methods) (improvement behavior) in male students between 12 – 15 years old naiin city in decrease aggression that have earned high positive effect in decrease aggression.

Sedighi (2000) had a research about the effectiveness of music therapy in control aggression low mentally disability children.

In direction of above research decrease aggressive by that indicated results that had positive music therapy according to above studies and the goal of compare between effective educations group music therapy in and group education token economy on then decrease aggressive mean mentally disability male children and earn this following hypothesis :

Hypothesis

There is different between effectual group education music therapy and group education token economy on decrease aggressive mean mentally disability male children.

THE METHOD OF RESEARCH

The present research design consist of experimental and pretest and subtest type whit two experimental group and control group. This study simple included all children mentally disability boy to average 140 of rehaliliation center Ghochan of this population.

Following the implementation of aggressive testing of 30 patients who were mean mentally disability male children in rehaliliation center Ghochan city and to select sampling randomly method. In this research use of following questionnaire.

AGQ (Aggressive questionnaire) this questionnaire consist of 30 parts, than measure 14 parts about anger, 8 parts about invasion, 8 parts about revengeful that is total score between to 0 – 9. Rates of results of retest were 75% in two period for total tests and male tests 64% and 79% for tests scores. Also alfa Kronbakh $\propto$ coefficient were scale AGQ and internal consist tency. Coefficient for total test 87%, 86% males, 89% males.

The method of execution research

At first you mistrecognize by use of aggressive questionnaire males that are aggressive for this research and replace 30 people of them as randomly in 3 groups of 10 people who are one group has participated in music therapy sections and other group has participated in token economy sections and one group don't participate in sections as control group.

THE ANALYSIS METHOD

Analyze collected data by one way Q variation analysis.

Finding research

Finding research show about hypothesis in following tables.

Main hypothesis

There is different between effectual group music therapy education and group token economy education on decrease aggressive mean mentally disability male children.

Table 1- descriptive statistics characteristics related to dependent function aggressive

Functions	Average	Standard deviation	Numbers
Music therapy	64.50	6.751	10
Token economy	50.11	6.421	10
Control	70.11	4.331	10
Total	62	10.775	30

Data show the amount of dependent function aggressive that have seen in test by token economy education in table (1) the lowest was M = 50.11 and average in group via music therapy under education equal whit m = 64.50 and average control group is the most off all what not have education (M = 70.11).

Table 2- Summarize of Q variance analysis aggressive data for interaction of test in experimental and control groups

Source of changes	Sum of average	df Degree of free	Mane of square	F	Level of expressive	Eta
Hamparash	241.114	5	481.001	18.011	0.000	0.791
Group A	92.112	2	46.117	1.712	0.202	0.133
Aggressive B pretest	144.115	1	144.119	5.845	0.032	0.181
Reaction A, B	56.819	2	29.011	1.119	0.371	0.082
Error	660.819	24	28.002			
Total	3041	29				

According to data of table (2), calculated interaction between pretest F (Eta = 0.082), p < 0.371, (df1 , 29) = 1.119 with F, not expressive interaction show that data support regression gradients by equality hypothesis.

Table 3- Regulated average and standard deviation function dependent to aggressive

Functions	Pretest		Regulated sub	
	x	sd	x	sd
Control	65.21	7.001	74.111	2.118
Music therapy	75.11	5.118	64.121	2.441
Token econorny	71.01	6.811	50.111	1.711

In table (3) shows that the groups (1) and (2) averages are lower than the control group.

Table 4- Results of Q variance analysis aggressive without interaction in experimental and control groups

Source of parasol	Sum of squares	df Degree of free	Mane of square	F	Considerable level	Eta
Hamparash	2411.115	3	769.981	27.998	0.000	0.771
Aggressive pretest	215.121	1	211.121	7.711	0.01	0.231
Between groups	2321.101	2	1171.012	42.111	0.000	0.765
Interior groups	717.211	26	28.001			
Total	3051.01	29				

As observed that effect hamparash (p = 0.000, p < 0.0001, (df3 , 26) = 27.998 with F) the respect for statistical is strongly expressive and so is related whit criterion. Rate of F by Karndi is expressive also by the respect for statistical (Eta = 0.765, p = 0.000, (df2 , 26) = 42.111 with F) shows that is different between effect of 3 groups, i. e. There is expressive different between two experimental groups and control group in decrease aggressive. Because characteristic F is expressive, so used of continua Ted test for supplemental compare two by two and for expressive tests by Bonferni method.

Table 5- Compare two by two averages sub test in music therapy, token economy and control groups

Source of parash	Difference average	Level of expressive
Control and music therapy	8.975	0.011
Control and token economy	23.121	0.000
Music therapy and token economy	13.111	0.001

Numbers of table (5) show, that there is different expressive between aggressive average control groups and aggressive average music therapy groups and this different has the profit for music therapy groups. There are differences expressive between aggressive average control group and aggressive average token economy and this difference has the profit for token economy groups. There is difference has the profit for token economy groups. There is difference expressive between aggressive average music therapy groups and token economy that this difference is profitable for token economy groups. In conclusion, we can result that education token economy and music therapy method is more effectual than music therapy.

DISCUSSION AND CONCLUSION

There is difference between effectiveness music therapy and token economy on the amount of decrease aggressive mean mentally disability children. According to F for dependent function aggressive 2.425 and the amount p = 0.121.

Is more than 5% also effect hamprash (p = 0.000, p < 0.0001, (df3 , 26) = 27.998 with F) the respect of statically is strongly expressive and so related to criteria (Eta = 0.765, p = 0.000, (df2 , 26) = 42.111 with F) show that there is d : Herence between 3 groups i. e. there is expressive difference between experimental methods in decrease aggressive with control groups. So we can say that there is expressive difference between effectiveness music therapy and token economy in decrease aggressive

mentally disability children. Also you can use of Bonifire : method for d : Herence averages of groups that there is difference between average of aggressive music therapy and token economy groups and token economy has profit so effectual token economy is the more than music therapy method in the amount of aggressive above findings has harmony whit mohamadi's sindings (2006), Sedighi (1998), Tabatabii Nejad (2000), Arefipoor, Dadlhah (2000) and show that music therapy & token economy methods have effectual on the aggressive children and comfort them. Voices of music have deep effects on the personalities and mentality and train feeling of mankind because voices if music have feeling and exciting load music has use for cognition and help to solve behavior especially in growth age and child hood. According to feeling load of music is a kind of psychic discharge and children have psychic stress and pressure and earn comfortable and desired exciting through extrajection stresses and excitements by music other hand token economy megthods as improve behavior megthod has an important role in decrease aggressive one of reasons positive results reinforcement after suitable behavior by this method because every behavior had a positive reinforcement so will be more times in this behavior. More effectiveness token economy method as compared whit other method indicated that more aggressive has effect in learning so whit change behavior methods and learning new behaviors can decrease the amount of aggressive.

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