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A Study to Assess the Effectiveness of Progressive Muscle Relaxation Technique among the Patient with Anxiety Disorders in the Selected Mental Health Centers

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Author's contribution

The sole author designed, analyzed, interpreted and prepared the manuscript.

Article Information

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Original Research Article

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ABSTRACT

Nowadays, major impact of researchers' toevaluate the intensity of anxiety between Anxiety Disorder with the Patient, and theirefficacy of enlightened muscle relaxation and disorder of anxiety to the patients, intensity of anxiety amongst mental health center describe the anxiety disorder patients with correlated with the social cum geographical values. Hypothesis, nominated socio demographic variables around the difference between posttest level and pretestanxiety of disorder patients. Nearby is an important association among intensity of unease. In tangible background: Inaccurate Roy's variation classical was cast-off for this study. Methodology: A Pre-experimental and progressive muscle and decrease therapy by used as a posttest. 40 anxiety ailment patients were confident by successive sampling process. Hypothesis formulated between. Pre and posttest was shown progressive muscle relaxation on forty minutes trainingto the anxiety patients on 5 consecutive days. In our results suggested anxiety patients output of reduced levels of anxiety disorder on the 6th day of posttest. To evaluate the Reformist muscle slackening is non-invasive, cost effective, non – pharmacological complementary therapy to between disorder patients with anxiety and diminish anxiety. Also posttest levels varied with age, academic qualification, anxiety, social value and alcoholic addiction and its duration.

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Keywords: Progressive muscle relaxation; anxiety and anxiety disorder patients.

1. INTRODUCTION

The time for relaxation and training is more methods, like as procedure, activity, process that all are helps a person to relax; finally it attain a status as a significantly calmness, otherwise significantly to reduces a levels of stress, anger, pain and anxiety [1]. Furthermore, wider stress supervision program and it would be a decrease muscular dissertation, and healthy heart and breath rates by the action of low levels of blood pressure, from stress relief on muscular contraction [2]. Others techniques are used as relaxation of muscular contraction. Some trained professional help to involve movements to another person by the different methods. The progressive mucle relaxation training movements based on relaxation exercise like as Yoga, walking, gardening, Qigong and tai chi and more [3-4].

Reducing of anxiety by alternatively tensing relaxing by the therapy of progressive muscle relaxation. Edmund Jacobson, in the early 1920's proposed that by doing whole body relaxation, one can reduces the anxiety by involvement of muscular tension to normal mental components. Purpose selected samples were used sampling techniques [5]. Awareness of anxious feelings for physiological significances of the anxiety on individual's attention, interrupting and progressive muscle lessening was initially established as a way of dropping anxiety The heart dynamic was reduces the muscular contraction by progressive and posttest used as a relaxation for muscular therapy. The tension usually reduces the anxiety and increases the well- being feeling on individual performance [6] The reasons related to physical state act as a tensing and peace on muscular regions like over the chest, forearms, diaphragm, face and legs. Muscular group is persistentlythrough for ten seconds on the muscular regions [7]. From this paper it will helpthepsychiatric nurses to identify, community health nurses, and countless coping strategies approved by Anxiety Illness Patient strategies and promoted to perceive the myriad stress condition and challenging. Practice of progressive muscles relaxation practice will decrease anxiety by this between post and pretexting [8].

2. METHODOLOGY

2.1 Research Tactic

Quantitative study.

2.2 Research Plan

Based on the designing, two types such as pre and Post- test design.

Pre test	Interference	Post test
01	Х	O2

O1- Anxiety – pretest level in patients with anxiety disorder

X- Interference of progressive-muscle-relaxation technique, 40mts/d during morning section and dusk, on 5 successive days.

O2- Anxiety – post-test level in patients with anxiety disorder

Autonomousfactors, Progressive- muscle - moderation technique

Dependent-variable: Assessing the anxiety level

2.3 Design of the Study

In Chennai, the mental health center we are collecting data from main psychiatric institution plateful the people. Other wards 744-816 patients were prepared for 150 beds and 50 beds for final census of 5800 patients.

2.3.1 Test Sample

Anxiety Disorder Patient its justify inclusion criteria [9-10]

2.3.2 Sample size

40 numbers.

2.3.3 Technique for sampling

Consecutive Technique

2.3.4 Inclusion criteria

The patients with mild and moderate anxiety, knowing Tamil for reading and writing

2.3.5 Exclusion criteria

The patients with musculoskeletal disorder, who had severe anxiety behavior, unavailable for the collection.

2.4 Data Collection

The data collected at the selected mental health center, Chennai and done from 01.08.2016 to

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14.09.2016 (6 week). One group of people instructed to do exercise for shoulder, hand, upper back, face, neck, abdomen, calve muscles, arm muscles, low back, knees, and muscles of feet, and asked to relax for 20 seconds .each group of muscle repeated for 4 times. Sittings were conducted daily morning and dusk with 40 minute session [11-13]. Ethical clearances was obtained in ethical committee.

3. RESULTS

Presently, the lower age group people highly suffered from the anxiety disorders, nearly, 24(57.5%) belonged to 25-40 years of age and

17(42.5%) between 46-50 years (Table 1). From above data suggested the practicing falling techniques, common of subjects 44(85%) were not expert relaxation practice once and the least 6(15%) were expert earlier.

3.1 Association between The Pre-Test and Post-Test Levels of Anxiety Score among the Participants

The results showed that the pre-test mean mark was 19.27 with 4.57 (average eccentricity). The post-test means core was10.83and the standard deviance was4.66. The mean difference was 7.83.

Socio- geographical values		f	Percentage (%)	
Age of patients	21-45	24	57.5	
(years)	48-55	17	44.5	
Patients Religion	Hindu	42	80.0	
-	Christian	8	20.0	
	Noformal Education	1	2.5	
	Primary Education	11	27.5	
Educationalstatus	High School	20	50.0	
	Higher Secondary	8	25.0	
Patients Occupation	Coolie	20	50.0	
-	Self-employment	14	44.5	
	Housewife	7	19.5	
Familymonthlyincome	Less than Rs. 2000	29	72.5	
	Rs.4001-Rs. 5,000	11	25.5	
Type of Family	Joint family	24	57.5	
	Nuclear family	17	42.5	
Status of Residential	Rural	40	75.0	
	Urban	10	45.0	
Details of children	Two children	24	60.0	
	More than two children	17	42.0	
Duration of anxiety	1 to 5 years	17	46.0	
disorder	More than 5 years	24	55.0	
	Yes	7	18.5	
Anyphysicalillness	No	45	82.5	
Previous experience	Yes	6	15.0	
in relaxation No techniques		44	85.0	

Table 2. Proportion of anxiety behavior (%)in participants (n=40)

Anxiety behavior		Anxiety Sco	re	
-	Pre-test		Post-test	
Slight	12	40.0%	44	82.5%
Moderate	28	75.0%	7	18%
Severe	0	0.0%	0	0.0%
Verysevere	0	0.0%	0	0.0%
Total	40	100.0%	40	100.0%

In Mild anxiety 44%, moderate anxiety 20% and posttest 12% and 7% of none of them showed severe behavior

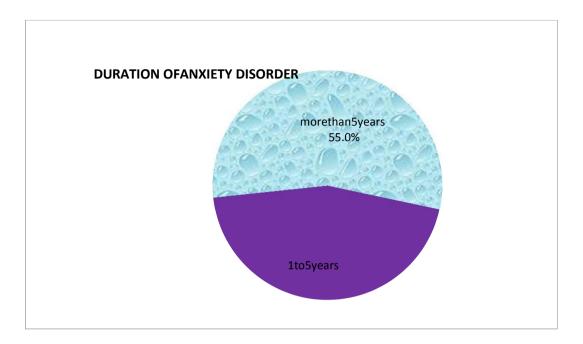


Fig. 1. Relationship between alcohol conception and anxiety disorders

55% of alcoholic husbands show anxiety disorder (>5years) and 18(45%) showed anxiety disorderlesser than five years

Table 3. Statistical parameters on pre test and post test level of anxiety among the participants (n=40)

	Mean	Standard Deviation	Mean difference	"t"-value	P-value
Pre-test	19.27	4.58	7.54	Т	p=0.001***
Post-test	11.78	4.86		=8.45TV=4.55	58

* significant at P"0.05**, highly significant. The above table indicates pre-testandpost-testwas18.27 and 11.78. The standard deviation was 4.58 and 4.86 respectively. Henceby using the statistical parameters, the results showed that progressive muscle diminishing procedure would be an effective techniqueon reducing the anxiety patients

	Table 4. Assessment of	pre test and	post test on nervousness disorder	patients (n	=40)
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Anxietyscore	Mean±SD	Meandifference	Student'spaired(t-test)
Pre-test	19.34±4.76		
Post-test	10.74 ± 4.66	7.54	t=8.45, p=0.001***significant
* significant at P"0 ()5** highly significant at	P"0 01*** very high significant	t atP"0 001 The results showed that the

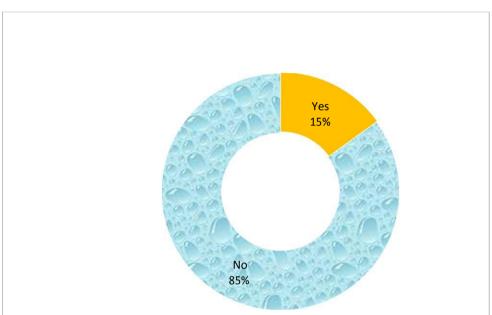
significant at P"0.05** highly significant at P"0.01*** very high significant atP"0.001. The results showed that the evaluation of significant variation between the mean concern score between pretestand posttest. Significantly reducing the anxiety score

4. DISCUSSION

From our data suggested anxiety disorder 24 (61.57) the group of age mid 30-45 years. Regarding of religion, important subjects 42 (82%) were belongs to Hindu religion, and moreover educational status 22 (53%) have studied unto high school education. While declaring occupation, popular of the subject to 31 (63%) were working as coolie. Finally we are exploration of monthly income of family and majority of the subject as 31 (74.32%) existed

grossing less than Rs. 4500. It is stimulating family and 25(54.5%) were belonging to the nuclear family. The majority of participants from the rural area 42(78%) and most of them had two children (27, 62%).

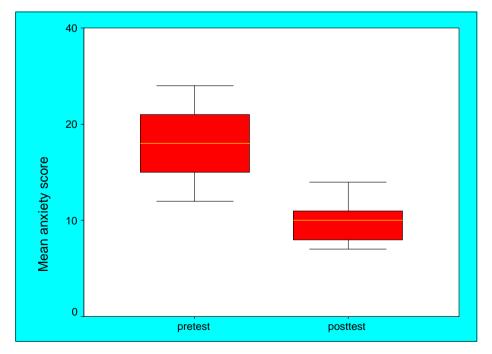
Whereas associated the physical illness, majority of the subjects 82.5% remained not devouring physical illness. Regarding the last experiences of passionate progressive muscle slackening techniques, majority of subjects 44 whereas practiced progressive muscle relaxation. Health center from Chennai. Plateful institution of the people the center was ready with bed asset for 150 beds. In our data suggested patients are affected 40in the pretest, popular 70% were moderate anxiety (28), 40% were in mild anxiety (18),mild anxiety were 44 with receiving progressive muscle relaxation and moderate and mild anxiety 19.5% as a severe anxiety score. Our results were concordance with the previous results [14-15].



PRIOR RELAXATION EXPERIENCE

Fig. 2. Anxiety disorder patient Vsrelaxation

Main stream on relaxation was found 44 (85%) were earlier and 6 (15%) were practiced





5. CONCLUSION

The present study showed that the muscle relaxation technique actively reduce the anxiety disorder among the participants. The situation is cost current flattering non-invasive therapy to decrease anxiety.

CONSENT

As per international standard or university standard, patients' written consent has been collected and preserved by the author(s).

ETHICAL APPROVAL

The study was approved by the Institutional Ethics Committee.

COMPETING INTERESTS

Author has declared that no competing interests exist.

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