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The Impact of Logotherapy on psychosomatic symptoms

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Abstract

This study was aimed to investigate the impact of Logotherapy on Psychosomatic symptoms. Out of the sample of 68 (women) were randomly selected from the college students who showed psychosomatic symptoms, 36 were assigned to experimental group and the other 32 to control group. Data was collected by researcher- initiated questionnaire. The questionnaire consisted of 31 questions about psychosomatic signs. Cornbach's Alpha was 0/51. All participants completed the questionnaire at baseline and again after 6 weeks logotherapy to analyse the data, the paired sample t-test and the analysis of covariance were applied. sig. 0/000. The t-test and analysis of covariance demonstrated there is a significant ($p < 0/05$) support of the effectiveness of Logotherapy on Psychosomatic symptoms

Keywords: Logotherapy, Psychosomatic symptoms

Introduction

Logotherapy

Logotherapy is usually called the "third school of Viennese psychotherapy." To get a better understanding of logotherapy it would be beneficial to compare it against the first school. The first school was Freud's psychoanalysis, which relied on the identification of inherited (usually sexual) mechanisms that had been socially altered. Freud's theory held that all neuroses could be linked back to the warring parts of the self he called the id, ego, and superego. Logotherapy, is a type of psychotherapy that was first developed by Viktor Frankl in 1938. The therapy asks therapists to be aware of their client's spiritual self, as well as the baser instincts first identified

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by Freud and reinterpreted by Adler. Logotherapy also holds on to existentialism as one of its core tenets, yet at the same time also embraces religion (Logotherapy). Frankl felt that man's search for meaning was a primary response, not a rationalization as Freud and others would claim. To Frankl the search for meaning held a deep significance. If meaning was just a reaction he felt it would be terrible: "I would not be willing to live merely for the sake of my 'defence mechanisms,' nor would I be willing to die merely for the sake of my 'reaction formations' (Man's Search for Meaning)." What is Logotherapy? The "logo" in logotherapy means "meaning" in Greek. Frankl chose logo because it was his feeling that man's search for meaning in his life was his sole purpose (Man's Search for Meaning). Logotherapy is a person focused therapy that focuses on the future, and is truly a modern therapeutic model for a modern audience (Man's Search for Meaning). Today many people do not need to worry about the basics of life such as food or shelter. In fact more people are successful at their chosen vocation than ever before, yet there is still a hidden despair (Cry for Meaning). Frankl felt that his patients were not really depressed or anxiety prone because of a feeling of worthlessness, but rather, because they felt life had let them down. As Frankl himself, put it. Some people may have better choices (cosmetically) than others; however, the choice is there just the same. The most important part of logotherapy, once a patient understands existential choice, is the understanding of how each of us has an existential burden. When a patient goes too far over to one side, Frankl wrote, the neo dynamic falls apart. One of the key ideas in Frankl's therapy is that the world is always changing and every individual has the opportunity to change with it, or remain the same. Frankl argues that through out our lives we are always on our journey of meaning and each of the different developmental stages a different kind of meaning is needed. It is this great search for meaning throughout life that logotherapy is primarily concerned with. If a person can successfully find meaning in each of odd tool for a therapist to utilize in treatment these stages than they are functioning well Those who stall at a point would be good candidates for logotherapeutic therapy Logotherapy struggles to understand the complete person, spiritually as well as psychologically. This allowed therapists to treat spiritual issues rather than just to treat them as another layer of the person to be broken down and analysed

Psychosomatic symptoms

Psychosomatic symptoms are pertaining to the interrelation of mind and body, having bodily symptoms of psychic, emotional, or mental origin. psychosomatic disorder (psychosomatic illness) a disorder in which the physical symptoms are caused or exacerbated by psychological factors, such as migraine headache, lower back pain, or irritable bowel syndrome. It is now recognized that emotional factors play a role in the development of nearly all organic illnesses

and that the physical symptoms experienced by the patient are related to many interdependent factors, including psychological and cultural. The physical manifestations of an illness, unless caused by mechanical trauma, cannot be divorced from a person's emotional life. Each person responds in a unique way to stress; emotions affect one's sensitivity to trauma and to irritating elements in the environment, susceptibility to infection, and ability to recover from the effects of illness. Physical conditions to which psychological factors are shown to be contributory are currently classified as *psychological factors affecting medical condition*. Any physical condition can be so classified but the most frequently included are Asthma, Peptic ulcer, bowel disorders, cardiovascular disorders, Arthritis, Allergy, Headache, and certain endocrine disorders. In recent years there has been some success in using behaviour therapy to treat these and other illnesses whose symptoms are related to the autonomic nervous system. Clients are taught new ways of coping with stress and new patterns of behaviour. When a condition is psychosomatic, that means that it involves both the mind and the body. A psychosomatic illness originates with emotional stress or damaging thought patterns, and progresses with physical symptoms, usually when a person's immune system is compromised due to stress. A common misconception is that a psychosomatic condition is imaginary, or "all in someone's mind".

Method:

.Out of the sample of 68 (women) were randomly selected from the college students who showed psychosomatic symptoms, 36 were assigned to experimental group and the other 32 to control group. Data was collected by researcher- initiated questionnaire. The questionnaire consisted of 30 questions about psychosomatic signs. Cornbach's Alpha was 0.91. All participants completed the questionnaire at baseline and again after 6 weeks logotherapy

Results:

To analyse the data, the paired sample t-test and the analysis of covariance were applied.sig.0.000. The t-test and analysis of covariance demonstrated there is a significant (p <0.05) support of the effectiveness of Logotherapy on Psychosomatic symptoms

Table 1 : Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pretest	107.8611	36	3.47370	.57893
	posttest	123.4167	36	6.06060	1.09427

As it is understood from Table 1, the Mean and Standard Deviation for pre-test are (Mean: 107.8611) and (Std. Deviation, 3.4736). The Mean and Standard Deviation for post-test are (Mean, 123.4167), (Std. Deviation 6.0606). As a result of Paired samples statistics there is a significant difference between the pre-test and post test scores.

Pair 1	pretest - posttest	Paired Differences				t		df	Sig. (1-tailed)	
		Mean	Std. Deviation	Std. Error Mean	90% Confidence Interval of the Difference		Mean	Std. Deviation	Std. Error Mean	
		Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	
		34.44444	7.04403	1.17409	32.06092	36.82297	29.337	30	.000	

Table 2: Paired Samples test

It is understood from Table, 2, the Mean and Standard Deviation for pre-test – post-test are (Mean, 34.44444 Std. Deviation, 7.04403). As a result of Paired samples statistics (t: 29.337 and Sig. (1-tailed) .000) there is a significant difference between the pre-test and post-test scores.

Table 3 :Levene's Test of Equality of Error Variances(a)

Dependent Variable: posttest

F	df1	df2	Sig.
49.014	1	66	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.
a. Design: Intercept+group+pretest

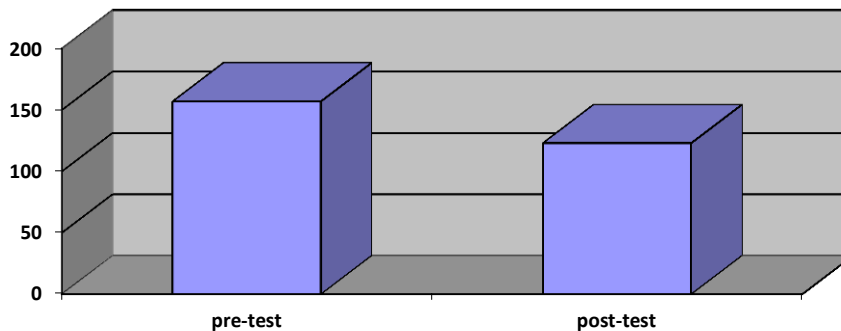
Table 4 : Tests of Between-Subjects Effects

Dependent Variable: posttest

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	20499.474(a)	2	10249.737	410.303	.000	.927
Intercept	64090	1	64090	2086	.113	.038
group	2000.447	1	2000.447	80.731	.000	.920
pretest	310.868	1	310.868	12.444	.001	.161
Error	1623.707	60	27.061			
Total	1348491.000	68				
Corrected Total	22123.181	67				

- a.
- b. a R Squared = .922 (Adjusted R Squared = .924) The result of Table 3 shows (pretest =Sig.***) is meaningful.

Figure 1: The mean of pre-test and post-test in psychosomatic symptoms



The Result of Figure 1 shows there is a meaningful significant between pre-test and post-test.

Conclusion

This study was aimed to investigate the impact of Logotherapy on Psychosomatic symptoms the paired sample t-test and the analysis of covariance were applied.sig.***. The t-test and analysis of covariance demonstrated there is a significant ($p < .05$) support of the effectiveness of Logotherapy on Psychosomatic symptoms

Discussion: This study demonstrated the effectiveness of logotherapy on psychosomatic symptoms It is well known that the mind can cause physical symptoms. For example, when people are afraid or anxious they may develop a fast heart rate, palpitations, feeling sick, shaking (tremor), sweating, dry mouth, chest pain, headaches, a knot in the stomach, and fast breathing. These physical symptoms are due to increased activity of nervous impulses sent from the brain to various parts of the body, and to the release of adrenaline into the blood stream when people are anxious. The way that the mind can cause certain other symptoms is not clear. Also, how the mind can affect actual physical diseases (rashes, blood pressure, etc) is not clear. It may have something to do with nervous impulses going to the body, which we do not fully understand. There is also some evidence that the brain may be able to affect certain cells of the immune system, which is involved in various physical diseases.This research demonstrated logotherapy can control the effect of mind on body .

References

- Berscheid, E. (1994). *Interpersonal Relationships, Annual Review of Psychology*, 45, (pp 14-139)
- Bryk, A. S & Raudenbush, S. W (1987), *Application of hierarchical linear models to assessing changes*
- Frankl, Viktor E. (2007). *Man's Search for Meaning Simon and Schuster. New York*
- Frankl, Viktor E. (1984). *Man's Search for Meaning. Simon and Schuster New York*
- Frankl, Viktor E. (1964) *Psychotherapy and Existentialism Simon and Schuster. New York*
- Frankl, Viktor E. (1970) *The Unconscious God. Simon and Schuster New York*
- Frankl, Viktor E (1978) *Unheard Cry for Meaning Simon and Schuster New York*
- Chaturvedi SK, Michael A. (1988). *Psychosomatic patients in a psychiatric clinic Int J Psychiatry Med* (pp 128-139)
- Cohen S, Janicki-Deverts D, Miller GE (2007) *psychological stress and disease, JAMA the Journal of American Medical Association*
- Davidson, Gerald, C, Kring, Ann, M.&Neal, Johyn, M.(2004). *Abnormal Psychology (4thed)* (chapter 1)
- DSM-IV-TR (2000) *the Diagnostic and Statistical Manual of Mental Disorder (DSM)*
- Gerald J. Jerome, Edward Mc Auley (May 2011). *Physical activity levels among adult computer users Original Research Article compute in Human Behaviour Volume 27, Issue 2*
- Groth, Marnat, (2008) *Handbook of psychological assessment (7thed)* (Chapter 7)
- Groth, Marnat, (October 2008). *Handbook of psychological assessment between school based stress and*
- Halgin, Richard, P. &Withbourne, susan, K, (2009). *Abnormal Psychology (clinical Perspectives on Psychological Disorders (7thed)* (chapter 7)
- John J. Schwab, Neal D.(May 1979). *Traven Factors related to the incidence of psychosomatic illness Original Research Article. Volume 2, Issue 2,*
- Medically ill elderly; experiences from geriatric clinic in Northen India, Int J Geriatr Psychiatry*
- Mulle, Fahlbush H.(1989). *Psychosomatic aspects of stomatology in the aged .Z Gerontol,* (pp 14-19)
- Percy, Walker. (1961), *The Moviegoer, Vintage, International, New York*
- Pinel, Jhon, (2007) *Biopsychology (7thed)*. (hapter 17)
- Psychological Bulletin*, 101,(pp. 140-150).
- psychosomatic complains? Journal of psychosomatic Research, Volume 70, Issue 4,*
- Prakash O, Gupta L N, singh VB, Singhal AK, Verma KK (2007). *Profile of Psychiatric disorders and life events in*

Sadock, Benjamin J Kaplan & Sadock's (2002) synopsis of psychiatry behavioural sciences / clinical psychiatry c 1997, (chapter 17)

Saunders, Miller-Keane, (2002) Encyclopedia and Dictionary of Medicine, Nursing, and Allied Health, (1st ed) an imprint of Elsevier, Inc

Seligman, Martin E.P. Rosenhan, David L. (2001) .Abnormal Psychology . (chapter 10)

Strunk W Jr & White, E B (1979), the elements of style, (4th ed) New York Macmillan, (Chapter 4)

Van Eck M, Berkhof H, Nicolson N, Sulon J. (1996). The effect of stress, traits, mood states, and stressful daily events on salivary cortisone psychosomatic medicine (pp 123-132)

Van der Geer, J, Hanraads, J. A. J, & Lupton R A (2000), The art of writing a scientific article. Journal of Scientific Communications, 17, 51-59.