

کنترل شخصی ادراک شده و افسردگی پس از سکته قلبی

Personal Perceived Control and Post-MI Depression

// :

// :

Bagherian, R. * Ph.D., Bahrami- Ehsan, H.
Ph.D., Guilani, B. Ph.D., Saneei, H. M.D.

**

**

*

Abstract

Introduction: Depression is very common amongst post-Myocardial Infarction patients and has been associated with adverse clinical events in these Patients. The purpose of this study is to consider the relationship between personal control in baseline and onset of post-MI depression.

Method: 176 patients between 32 to 84 years old whom followed MI admitted to CCU wards in Isfahan were selected based on the inclusive and exclusive criteria. Baseline data collection was administrated by Demographic and Medical Questionnaire, Personal Control scale, Beck Depression Inventory and Echocardiography. Three months after discharge, the Beck Depression Inventory for Primary Care (BDI-PC) was completed by the subjects. Covariance model was used to analyze the data.

Results: The findings indicate that 45% suffered from post-MI depression. The results of Covariance analysis show significant difference between two groups of patients with and without post-MI depression in Personal Control Scale ($F= 6.16, P< 0.05$).

Conclusion: Generally, the findings indicate the relationship between patients' beliefs about controlling of disease after MI and onset of post MI depression. Thus, this finding can be considered in rehabilitation in order to prevention of post-MI depression.

Keywords: Myocardial Infarction, Depression, Personal Control.

(CCU)

(BDI-PC)

%

[]
 . (MI)
 . [] []
 (PTCA) MI []
 . []
 [] []
 [] []
 . []
 [] []
 MI [] []
 . []
 [] [] [] []
 [] [] [] []

³ - Myocardial Infraction (MI)
⁴ - Percutaneous Transluminal Coronary Angioplasty
⁵ - Bohachick, P.
⁶ - Moser, D. K.
⁷ - Dracup, K.

¹ - Folkman, S.
² - Moskowitz, J. T.

MI (:
 (.
 (((.
 (.
 MI (.
 (.
 :
 :
 . MI :
 : (BDI-PC) MI CCU
 (%)
 (% /)
 (%)
 MI % / . MI
 % /
 . [] ()
 (:
 : . MI
 DSM-IV (.
 . [] (.
 /
 ((ECG)
 (.

⁹- Bypass
¹⁰- Angioplasty
¹¹- Beck Depression Inventory For Primary Care

⁸- Typical Ischemic

[]

BDI-PC

/ MI

/

/

[]

/

/

[]

/

DSM-IV

/

/

/

[]

: (BDI-II)

: (IPQ-R)

[]

¹⁵ - Pearlin, L. L.

¹⁶ - Beck Depression Inventory-II

¹² - Maximum Clinical Efficiency

¹³ - Minor Depression

¹⁴ - Revised Illness Perception Questionnaire

[]

LVEF

[]

/

MI

LVEF:

LVEF= _____ ×

DI-PC

]

(

[

:

MI

(% /)

MI

()

/

P< / /

% / %)

(P< / %

LVEF

BDI-PC

:

¹⁷- Base line

()

(P< / F= /)

.()

	%	(OR)	n=	n=	
/	(/ /)	/	/	/	
/	(/ /)	/	% / % /	% / % /	
/	(/ /)	/	% / % /	% / % /	
/	(/ /)	/	% /	%	% > LVEF
/	(/ /)	/	% /	% /	
/	(/ /)	/	% /	%	
/	(/ /)	/	% /	%	
/	(/ /)	/	%	%	
/	(/ /)	/	%	% /	
/	(/ /)	/	/	/	
/	(/ /)	/	/	/	CPK

¹⁸ - Odd Ratio

	p-value	F	MS	df	SS	
/	/	/	/		/	
/	/	/	/		/	
/	/	/	/		/	

(MI)

[]

%

[]

[]

[]

[]

[]

[]
[]
[]

[]

[]

MI

[]

[]

[]

[]

[]

[]

[]

[]

[]

¹⁹- Partridge, C.

²⁰- Johnston, M.

diabetes. *Health Psychology*. 2001; 20[3]: 208-216.

12. Newsom JT, Knapp JE, Schulz R. Longitudinal analysis of specific domains of internal control and depressive symptoms in patients with recurrent cancer. *Health Psychology*. 1996; 15[5]: 323-331.

13. Ba´rez M, Blasco T, Fern´andez-Castro J, Viladrich C. Perceived control and psychological distress in women with breast cancer: a longitudinal study. *J Behav Med*. 2009; (32): 187–196.

14. Helgeson VS. Moderators of the relation between perceived control and adjustment to chronic illness. *Journal of Personality and Social Psychology*. 1992; 63[4]: 656-666.

15. Helgeson VS. Applicability of cognitive adaptation theory to predicting adjustment to heart disease after coronary angioplasty. *Health Psychology*. 1999; 18[6]: 561-569.

16. Bohachick P, Taylor MV, Sereika S, Reeder S, Anton BB. Social support, personal control, and psychological recovery following heart transplantation. *Clinical Nursing Research*. 2002; 11[1]: 34-51.

17. Moser DK, Dracup K. Psychosocial recovery from a cardiac event: The influence of perceived control. *Heart & Lung*. 1995; 24[4]: 273-280.

18. Dracup K, Westlake C, Erickson VS, Moser DK, Caldwell ML, Hamilton MA. Perceived control reduces emotional stress in patients with heart failure. *Journal of Heart Lung Transplant*. 2003; 22[1]: 90-93.

19. Wilhelm K, Kotze B, Waterhouse M, Pavlovic DH, Parker G. Screening for depression in the medically ill :A Comparison of Self-Report Measures, Clinician Judgment, and DSM-IV Diagnoses. *Psychosomatics*. 2004; 45[6]: 461-469.

20. Parker G, Hilton T, Hadzi-Pavlovic D, Bains J. Screening for depression in the medically ill: the suggested utility of a cognitive-based approach. *Aust N Z J Psychiatry*. 2001; 35[4]: 474-80.

21. American Psychiatric Association, DSM-IV: Diagnostic and statistical manual of mental disorders [4th ed]. Washington, DC: Author. 1994.

22. Beck AT, Steer R, Ball, R, Ciervo CA, Kabat M. Use of the beck anxiety and depression inventories for primary care

1. Senior V, Weinman J, Marteau TM. The influence of perceived control over causes and responses to health threats: A vignette study. *Brit J Health Psychol*. 2002; (7): 203–211.

2. Bowsher JE, & Keep D, Toward an understanding of three control constructs: personal control, self-efficacy, and hardiness. *Issues in Mental Health Nursing*. 1995; (16): 33-50.

3. Walker J. Control and the psychology of health. Buckingham: Open University Press; 2001.

4. Hoedemaekers E, Jaspers JPC, van Tintel en JP. The Influence of Coping Styles and Perceived Control on Emotional Distress in Persons at Risk for a Hereditary Heart Disease. *American Journal of Medical Genetics*. 2007; (143)[17]: 1997–2005.

5. Folkman S, Moskowitz JT. Coping: pitfalls and promises. *Annual Review of Psychology*. 2004; (55): 745-774.

6. Folkman S. Personal control and stress and coping processes: A theoretical analysis. *Journal of Personality and Social Psychology*. 1984; (46)[4]: 839-852.

7. Shaw C. A framework for the study of coping, illness behaviour and outcomes. *Journal of Advanced Nursing*. 1999; 29[5]: 1246-1255.

8. Heijmans M. The role of patients' illness representations in coping and functioning with Addison's disease. *Brit J Health Psychol*. 1999; (4): 137–149.

9. Affleck G, Tennen H, Pfeiffer C, Fifield J. Appraisals of control and predictability in adapting to a chronic illness. *Journal of Personality and Social Psychology*. 1987; 53[2]: 273-279.

10. Christensen A J, Turner CW, Smith TW, Holman JM, Gregory MC. Health locus of control and depression in end-stage renal disease. *Journal of Consulting and Clinical Psychology*. 1991; 59[3]: 419-424.

11. Macrodimitris SD, Endler NS. Coping, control, and adjustment to type 2

33. Bush DE, Ziegelstein RC, Tayback M, Richter D, Stevens S, Zahalsky H, Fauerbach JA. Even minimal symptoms of depression increase mortality risk after acute myocardial infarction. *Am J Cardiol.* 2001; 88[4]: 337–41.
34. Blumel MB, Gibbons FA, Kanacri CA, Kerrigan BN, Florenzano UR. Depressive symptoms after an acute myocardial infarction. *Rev Med Chil.* 2005; 133[9]: 1021-1027.
35. Folkman S, Moskowitz JT. Coping: pitfalls and promises. *Annual Review of Psychology.* 2004; (55): 745-774.
36. Folkman S. Personal control and stress and coping processes: A theoretical analysis. *Journal of Personality and Social Psychology.* 1984; 46[4]: 839-852.
37. Partridge C, Johnston M. Perceived control of recovery from physical disability: Measurement and prediction. *British Journal of Clinical Psychology.* 1989; (28): 53-5.
- with medical outpatients. *Assessment.* 1997; (4): 211–219.
23. Steer RA, Cavalieri TA, Leonard DM, Beck AT. Use of the beck depression inventory for primary care to screen for major depression disorders: *Gen Hosp Psychiatry.* 1999; (21): 106–111.
24. Montazeri A, Vahdaninia M, Ebrahimi M, Jarvandi S. The hospital anxiety and depression scale [HADS]: Translation and validation study of the Iranian version. *Health Qual Life Outcomes.* 2003; (28): 14-19.
25. Bagherian R, Bahrami Ehsan H. Evaluation of the Iranian Type D Scale [DS14] and Prevalence of the Type D Personality Pattern in MI Patients. [Manuscript submitted for publication].
26. Pearlin LI, Schooler C. The structure of coping. *Journal of Health and Social Behavior.* 1978; (19): 337-356.
27. Beck A. et al . *Cognitive therapy of Dperession* , New York , Guilford co .1974 ;pp.184-200.
28. Osman A, Barrios FX, Gutierrez PM, Williams JE, Bailey J. Psychometric properties of the Beck Depression Inventory-II in nonclinical adolescent samples. *J Clin Psychol.* 2008; 64[1]:83-102.
29. Zipes D P, Libby P, Bonow R O, Braunwald, E. *Braunwald's Heart Disease, A Textbook of Cardiovascular Medicine.* 7th Ed. Philadelphia: Elsevier Saunders. 2005.
30. Van Melle JP, Jonge PD, Ormel J, Crijns H, van Veldhuisen DJ, Honig A, Schene AH. and van den Berg MP. Relationship between left ventricular dysfunction and depression following myocardial infarction: data from the MIND-IT. *European Heart Journal.* 2005; (26): 2650–2656.
31. Spijkerman T A, van den Brinka R H, S. Jansena, J. H. C. Crijnsc, H. J. G. M. & Ormela, J. H. C. Who is at risk of post-MI depressive symptoms? *Journal of Psychosomatic Research.* 2005; (58):425–432.
32. Spijkerman T, Jonge PD, Brink RHS Jansen JH, May JF, Crijns HJGM, Ormel J. Depression following myocardial infarction: first-ever versus ongoing and recurrent episodes. *J.Gen Hosp Psychiatry.* 2005; 27[6]: 411-7.