

아동 우울에 관련된 요인 및 부모 우울과의 관계 연구*

THE STUDY OF RELATION TO VARIABLES RELATED TO CHILDREN'S DEPRESSION AND PARENTS' DEPRESSION

장은진**† · 서민정** · 정철호**

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목 적 : 가 ,

방 법 : 5, 6 258 CDI , BDI , Pearson , t , p<.05

결 과 : 1) CDI 13.5±6.77 , BDI 13.3±7.25, BDI 11.6±7.03 . 2) , , 가 CDI . 3) , CDI . 4) 가 BDI , BDI . 5) CDI 10 , 8 , 6 , 27 20 . 7) BDI CDI ,

결 론 : , , , () , -

중심 단어 : (CDI) · Beck (BDI).

1)2)

서 론 1960

1999

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연구방법 및 절차

1. 연구대상

(: $12.72 \pm .58$) 279
 258
 가 142 , 116
 5, 6 가
 21 가

2. 연구도구

1) , , (/), (,)
 2) 가 Kovacs Beck²³⁾ Children 's Depression Inventory
²⁴⁾ (Children 's Depression Inventory, CDI ; CDI)

Beck (Beck 's Depression Inventory, BDI ; BDI)²⁵⁾ 8 13
 , 27 가
 , 2 가
 가 0 54 , 가
 가 가
 3) (,), (/), (, , ,) 가
 가 (, ,) 가

4) 가 BDI²⁶⁾가
 21 , 0 3 가
 가 가 0 63 , 가
 가 가 가

3. 연구절차

1998 9 17 26
 CDI

BDI

4. 통계방법

SPSS/Window

1) 가 , , , ,
 one - way ANOVA

2) Scheffe test
 , , , ,

3) Student 's t - test
 Pearson

4) , CDI
 Student 's t - test ,
 CDI
 one - way ANOVA
 p<.05

결 과

1) CDI 13.5 ± 6.77 (Table 1),
 BDI 13.3 ± 7.25 , BDI
 11.6 ± 7.03
 2) , , , ,
 CDI
 (12.63 ± 5.60)
 (14.73 ± 7.68) 가
 (p<.05),

Table 1. Demographic characteristics of subjects

	Child	Father	Mother
Sex : No.(%)			
Male	142(55)		
Female	116(45)		
Age : years(M ± S.D.)	12.72 ± .58	Age : years(M ± S.D.) 42.17 ± 3.65	Age : years(M ± S.D.) 39.01 ± 3.64
Health state : No.(%)		Health state : No.(%)	Health state : No.(%)
Good	184(71.3)	Good 202(78.3)	Good 170(65.9)
Poor	74(28.7)	Poor 56(21.7)	Poor 88(34.1)
School Achievement : No.(%)		Religion : No.(%)	Religion : No.(%)
Upper	27(10.5)	Yes 115(44.6)	Yes 145(56.2)
Middle	183(70.9)	No 143(55.4)	No 113(43.8)
Lower	48(18.6)		
Family economic status : No.(%)		Education Level : No.(%)	Education Level : No.(%)
Upper	26(10.1)	Elementary school 21(8.1)	Elementary school 22(8.5)
Middle	219(84.9)	Middle school 38(14.7)	Middle school 68(26.4)
Lower	13(5.0)	High school 155(60.1)	High school 148(57.4)
		University 44(17.1)	University 20(7.8)

Table 2. Comparison of CDI scores among children related variable groups

Variables	CDI(Mean ± S.D.)			F-value (f-value)	p	Post Hoc
Sex	Male(N=142) 12.63 ± 5.60	Female(N=116) 14.73 ± 7.68		- 2.44	p<0.05	
Health	Good(N=184) 12.89 ± 6.62	Poor(N=74) 15.27 ± 6.89		- 2.58	p<0.05	
School Achievement	1 Upper(N=27) 9.37 ± 5.21	2 Middle(N=183) 12.72 ± 5.97	3 Lower(N=48) 19.21 ± 7.23	28.21	p<0.05	1 < 2* 1 < 3*** 2 < 3***
Family Economy Status	1 Upper(N=26) 9.46 ± 4.98	2 Middle(N=219) 13.84 ± 6.83	3 Lower(N=13) 17.38 ± 5.44	7.36	p<0.05	1 < 2** 1 < 3**

(12.89 ± 6.62) (15.27 ± 6.89) . 가 CDI
 가 (p<.01). 9.46 ± 4.98, 13.84 ± 6.83,
 CDI 9.37 ± 5.21, 17.38 ± 5.44 , 가
 12.72 ± 5.97, 19.21 ± 7.23 (p<.01)
 (Table 2). (p<.01)가 ,
 Scheffe , (Table 2).
 (p<.05) (p<.001), 3) , ,
 (p<.001) 가 CDI (p=0.05)

Table 3. Comparison of CDI scores among parent related variable groups

Variables	Mean ± S.D.				F-value (t-value)	p
Mother	Good(N=169)	Poor(N=87)				
Health	12.88 ± 6.90	14.57 ± 6.04			- 1.95	N.S.
Religion	Yes(N=144)	No(N=113)			1.48	N.S.
	13.02 ± 6.46	14.29 ± 7.15				
Education	Elementary school (N=22)	Middle school (N=68)	High school (N=148)	University (N=20)	2.16	N.S.
	15.14 ± 8.03	14.29 ± 5.59	13.44 ± 7.11	10.40 ± 5.73		
Father	Good(N=202)	Poor(N=55)				
Health	7.29 ± 6.57	13.11 ± 8.45			- 1.59	N.S.
Religion	Yes (N=115)	No(N=143)			- 1.00	N.S.
	11.63 ± 6.72	11.54 ± 7.29				
Education	Elementary school (N=21)	Middle school (N=38)	High school (N=155)	University (N=44)	1.00	N.S.
	15.57 ± 7.39	13.74 ± 4.88	13.57 ± 7.07	12.48 ± 6.77		

* : p<06

Table 4. Correlation of among CDI score and BDI scores

	Father's BDI	Mother's BDI	Boy's CDI	Girl's CDI	Total CDI
Father's BDI		.371**	.094	.163	.146*
Mother's BDI			.266***	.456**	.379***

* : p<05 , ** : p<01 , *** : p<001

(p<.001)가
가 (p<.001).
BDI
(p<.001),
(Table 3). (p<.05) ,
4) BDI CDI (p<.05)(Table 5).
(r=.146, p<.05),
BDI CDI BDI
(r=.379, p<.001).
BDI 6) BDI
(r=.456, p<.001) (r=.266, p<.001) (p<.06) 가
, BDI (Table 6). , 가
(r=.371, p<.01) (p<.06),
(Table 4). BDI
5) BDI (Table 6).
(Table 5). 7) CDI
BDI 10 (1, 7, 9, 10, 12, 13, 16, 20, 21,
11.33 ± 7.24, 12.47 ± 6.70, 23), 8 (3, 8, 9, 16,
17.48 ± 7.82 , 17, 18, 19, 23), 6
BDI (1, 7, 9, 14, 24, 27)

Table 5. Comparison of mother's BDI scores among children and mothers' related variable groups

Variables	Mean ± S.D.				F-value (t-value)	p	Post Hoc
Child	1	2	3				
School Achievement	Upper(n=27) 11.3 ± 7.24	Middle(n=183) 12.47 ± 6.70	Lower(n=48) 17.48 ± 7.82		10.970	p<0.05	1<3*** 2<3***
Family Economic Status	1 Upper(n=26) 9.46 ± 4.24	2 Middle(n=219) 13.38 ± 7.31	3 Lower(n=13) 19.23 ± 6.81		8.485	p<0.05	1<2* 1<3*** 2<3*
Health Statue	Good(n=184) 13.22 ± 7.00	Poor(n=74) 13.43 ± 7.87			-.210	N.S.	
Mother	Good(n=170)	Poor(n=88)			-.835	N.S.	
Health statue	13.01 ± 6.77	13.81 ± 8.11					
Religion	Yes(n=145) 13.26 ± 6.74	No(n=113) 13.31 ± 7.88			.052	N.S.	
Education	Elementary school (n=22) 13.91 ± 8.74	Middle school (n=68) 13.60 ± 7.04	High school (n=148) 13.18 ± 7.10	University (n=20) 12.30 ± 7.64	.230	N.S.	

* : p<05 , ** : p<01, *** : p<001

Table 6. Comparison of father's BDI scores among children and fathers' related variable groups

Variables	Mean ± S.D.				F-value (t-value)	p	Post Hoc
Child	1	2	3				
School Achievement	Upper(n=27) 11.33 ± 6.88	Middle(n=183) 11.04 ± 6.31	Lower(n=48) 13.77 ± 9.14		2.935	N.S.	2<3*
Family Economic Status	1 Upper(n=26) 10.65 ± 6.40	2 Middle(n=219) 11.50 ± 6.98	3 Lower(n=13) 14.77 ± 8.66		1.586	N.S.	
Health State	Good(n=184) 13.22 ± 7.00	Poor(n=74) 13.43 ± 7.87			-.210	N.S.	
Father	Good(n=202)	Poor(n=56)			-1.827	N.S.	
Health status	11.16 ± 6.57	13.09 ± 8.38					
Religion	Yes(n=115) 11.63 ± 6.72	No(n=143) 11.54 ± 7.29			-.099	N.S.	
Education	Elementary school (n=22) 11.62 ± 5.59	Middle school (n=68) 11.03 ± 5.40	High school (n=148) 11.77 ± 7.04	University (n=20) 11.36 ± 8.81	.128	N.S.	

* : p<06

Table 7. Children's depression inventory items

1. Sadness	8. Self accusation	15. School work difficulty	22. Lack of Friendship
2. Pessimism	9. Suicidal ideation	16. Sleep disturbance	23. Low self esteem
3. Sense of failure	10. Crying spell	17. Fatigability	25. Feeling unsolved
4. General lack of fun	11. Irritability	18. Loss of appetite	26. Disobedience
5. Misbehavior	12. Social withdrawal	19. Somatic preoccupation	27. Aggression
6. Self victimized ideation	13. Indecisiveness	20. Loneliness	
7. Self hate	14. Negative body image	21. Lack of fun at school	

27) CDI 가 14.96 ± 5.82, 16.55 ± 6.54
 20 (1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 20, 21, 23, 24, 25, 27)
 (Table 7). 4, 5, 6 24)

고 찰

14.1 ± 6.51, 15.36 ± 7.76 가
 CDI 13.5 ± 6.77 Green 가 2
 9.72 ± 7.00, Kline
 8.50 ± 7.75, Friedman Butler 9.28 ± 7.30 24) 가

27) CDI 가 15.75 ± 6.23, 28) CDI 가 13. 80 ± 8.40, 24) CDI 가 14.72 ± 7.13 가
 5, 6 가

CDI 가 CDI 가 가
 28) 가?

가 가 가 가 가
 13) 가

CDI BDI, MMPI 가 가
 29) CDI 가

CDI 12.63 ± 5.60 CDI 14.73 ± 7.68 28) 가
 30)

6 28) 가
 CDI 12.93 ± 5.68, CDI 14.81 ± 7.01 37)

References

- 1) **Rotter M, Tuma AH, Lann IS**(1988) : Assessment and Diagnosis in Child Psychopathology. Guilford Press, New York
- 2) **Wicks-Nelson R, Israel AC**(2000) : Behavior Disorders of Childhood. 4th Ed. Prentice Hall, New Jersey
- 3) **Rie H**(1966) : Depression in childhood : A survey of some pertinent contribution. J Am Acad Child Psychiatry 5 : 653-685
- 4) **강봉선, 이만홍, 이호영, 김호영, 김경희, 노경선** (1987) : 학령기 아동에 있어서의 우울과 불안증상. 중앙의학 52 : 755-763
- 5) **Puig-Antich J, Gittleman R**(1982) : Depression in childhood and adolescence. In ES Paykel(ED). Handbook of Affective Disorders : 379-392. Churchill-Livingstone, Edinburgh & London
- 6) **American Psychiatric Association**(1980) : Diagnostic And Statistical Manual of Mental Disorders-3rd ed. Washington DC
- 7) **American Psychiatric Association**(1987) : Diagnostic And Statistical Manual of Mental Disorders- Revived 3rd ed. Washington DC
- 8) **American Psychiatric Association**(1994) : Diagnostic And Statistical Manual of Mental Disorders-4th ed. Washington DC
- 9) **Toolan JM**(1962) : Depression in Children and Adolescents. Am J Orthopsychiatry 32 : 404-414
- 10) **Glaser K**(1967) : Masked depression in children and adolescence. Am J Psychotherapy 21 : 565-574
- 11) **Cytryn L, Mcknew DH**(1972) : Proposed classification of childhood depression. Am J Psychiatry 129 : 149-155
- 12) **Malmquist DP**(1977) : Childhood Depression : A Clinical and Behavioral Perspective : In Schulterbrant JG, Raskin A (Eds). Depression in Childhood : Diagnosis, Treatment and Conceptual Model : 33-59. New York Raven Press
- 13) **신민섭, 김민경**(1994) : 아동기 우울증의 평가. 소아·청소년정신의학 5(1) ; 12-27
- 14) **Carlson GA, Kashani GA**(1987) : Seriously depressed preschoolers. Am J Psychiatry 144 : 348-350
- 15) **Beardslee WR, Bempord J, Keller MB, Klerman GL** (1983) : Children of parents with affective disorder. Am J Psychiatry 140 : 825-832
- 16) **Weissman MM, Gammon DG, John K, Sholomskas D**

- (1987) : Children of depressed parents. Arch Gen Psychiatry 44 : 847-853
- 17) 조수철(1994) : 소아·청소년 우울 장애의 생물학적 연구. 소아·청소년정신의학 5(1) : 28-35
 - 18) **Poznanski EO, Krahenbuhl V, Zrull JP**(1976) : Childhood depression : A longitudinal perspective. J Am Acad Child Psychiatry 15 : 491-501
 - 19) **Zeitlin H**(1986) : The natural history of psychiatric disorder in children. Oxford University Press, New York
 - 20) **Poznanski EO, Zrull PJ**(1970) : Childhood depression : Clinical characteristics of overtly depressed children. Arch Gen Psychiatry 23 : 8-15
 - 21) **Klerman GL**(1988) : The current age of youthful melancholia. Evidence for increase in depression among adolescents and young adults. Br J Psychiatry 152 : 4-14
 - 22) **Humphrey JH**(1984) : Stress in Childhood. New York, AMS Press
 - 23) **Kovaacs M, Beck AT**(1977) : An Empirical-Clinical Approach toward a Definition of Childhood Depression in Childhood : Diagnosis, Treatment and Conceptual Models, edited by Schulterbrandt JG, Raskin A, Raven Press, New York, pp1-25
 - 24) 조수철, 이영식(1990) : 한국형 소아 우울 척도의 개발. 신경정신의학 29(4) : 934-956
 - 25) **Beck AT, Rush AJ, Shaw BF, Emery G**(1979) : Cognitive therapy of depression. Guilford Press, New York
 - 26) 최미례(1987) : 대학생 우울 집단 의 정서 일치성 효과와 일시적으로 유도된 정서상태가 정보 처리에 미치는 영향. 서울대학교 석사학위논문
 - 27) 이현만, 한성희(1996) : 부모의 양육태도가 중학생의 우울성향에 미치는 영향. 소아·청소년 정신의학 7(2) : 167-178
 - 28) 박중섭, 최영민, 이정호(1995) : 소아우울에 관련된 요인에 관한 연구-가정환경, 양육태도, 학업성적을 중심으로 하여. 신경정신의학 34(5) : 1485-1490
 - 29) 신민섭, 박광배, 오경자, 김중술(1990) : 고등학생의 자살 성향에 대한 연구 : 우울-절망-자살간의 구조적 관계에 대한 분석, 한국심리학회지 임상 9 : 1-19
 - 30) 홍강의, 이상수(1984) : 불안장애 아동의 임상적 특성. 정신의학 8 : 362-369
 - 31) **Dodge KA**(1990) : Developmental psychopathology in children of depressed mothers. Dev Psychology 26 : 3-6
 - 32) **Downey G, Coyne JC**(1990) : Children of depression parents. An integrative review. Psychol Bull 108 : 50-76
 - 33) **Renouf AG, Kovaacs M**(1994) : Concordance between Mother's Reports and Children's Self-Reports of Depressive Symptoms. J Am Acad Child Adolesc Psychiatry 33(2) : 208-216
 - 34) **Lee CM, Gotlib IH**(1989) : Maternal depression and child adjustment. A longitudinal analysis. J Abnorm Psychol 98 : 78-85
 - 35) **Hammen C, Burge D, Burney E, Adrian C**(1990) : Longitudinal study of diagnosis in children of women with unipolar and bipolar affective disorders. Arch Gen Psychiatry 47 : 1112-1117
 - 36) **Weissman MM, Warner V, Wickramarante P, Moreau D, Olfson M**(1997) : Offspring of depressed parents : 10 years later. Arch Gen Psychiatry 54 : 932-940
 - 37) 문경주, 오경자(1995) : 어머니의 우울과 아동의 부적응간의 관계-모자 상호작용 관찰연구. 한국심리학회지 임상 14(1) : 41-55

THE STUDY OF RELATION TO VARIABLES RELATED TO CHILDREN'S DEPRESSION AND PARENTS' DEPRESSION

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Objectives : This study was conducted to investigate variables related to children's depression, and also the relationships between children's depression and parents' depression.

Methods : 258 5th and 6th grade elementary school students in Taegu, and their parents were asked to complete self-report questionnaires including the children's depression Inventory (CDI) and the Beck's depression Inventory (BDI). Correlation analysis, T-test, One-way ANOVA were used for the statistical analysis and the statistically significant level is $p < 0.05$.

Results : 1) CDI mean for total children is 13.5 ± 6.77 , BDI mean for their mother is 13.3 ± 7.25 , and BDI mean for their father is 11.6 ± 7.03 . 2) There are significant differences in CDI for children variables related to sex, health, school achievement, economic status. 3) Mother's health slightly affect children's depression, but there are no significant differences in CDI for parents' education, religion, father's health. 4) Children's school achievement and economic status among variables related to children affect mother's BDI scores and children's school achievement affect father's BDI scores. 5) For CDI item analysis, there are significant differences in 10 items for children's sex, in 8 items for health, and in 6 items for economic status. Especially, there are significant differences in 20 items among 27 items for children's school achievement. 6) There is significant correlation between parents' BDI scores and children's CDI scores, and especially high correlation to mother for both boys and girls.

Conclusion : Children's depression are significantly affected by children's sex, health, school achievement, economic status. And especially school achievement affect grossly children's depression and their mother's depression, so we know that children and their mother have much burden about school achievement. There is high correlation between children's depression and parents' (especially mother) depression. Therefore, these result imply that in the therapy for children's depression, we must include not only children's problems but also parents' depression and parent-children relationship.

KEY WORDS : Child depression · CDI · Parents' depression · BDI.