

정신과 환자 자녀의 우울, 불안, 자기 개념
그리고 가정환경의 특성에 대한 연구

IMPACT OF PARENTAL PSYCHIATRIC DISORDER ON OFFSPRING'S
DEPRESSION, ANXIETY, SELF CONCEPT AND PERCEPTION
OF FAMILIAL RELATIONSHIP

이 정 범* · 조 수 철**†

Jung Bum Lee, M.D.,* Soo Churl Cho, M.D.**†

요 약 : 정신과 환자 자녀의 우울, 불안, 자기 개념, 그리고 가정환경의 특성에 대한 연구. 1997년 6월 1일부터 1998년 4월 30일까지 서울대학교병원 정신과 (1)과 서울대학교병원 소아청소년과 (2)에서 실시하였다. 연구 대상자는 정신과 환자 자녀 39명, 일반 가정 자녀 52명, 총 91명이었다. 연구 결과는 다음과 같다. (1) 정신과 환자 자녀의 우울, 불안, 자기 개념, 그리고 가정환경의 특성에 대한 연구. (2) 일반 가정 자녀의 우울, 불안, 자기 개념, 그리고 가정환경의 특성에 대한 연구. (3) 정신과 환자 자녀와 일반 가정 자녀의 우울, 불안, 자기 개념, 그리고 가정환경의 특성에 대한 연구. (4) 정신과 환자 자녀와 일반 가정 자녀의 우울, 불안, 자기 개념, 그리고 가정환경의 특성에 대한 연구.

1) 정신과 환자 자녀의 우울, 불안, 자기 개념, 그리고 가정환경의 특성에 대한 연구. (p<0.05).
가

2) 일반 가정 자녀의 우울, 불안, 자기 개념, 그리고 가정환경의 특성에 대한 연구. (p<0.05).
가

3) 정신과 환자 자녀와 일반 가정 자녀의 우울, 불안, 자기 개념, 그리고 가정환경의 특성에 대한 연구. (p<0.05).
가 3 가 3 가

4) 정신과 환자 자녀와 일반 가정 자녀의 우울, 불안, 자기 개념, 그리고 가정환경의 특성에 대한 연구. ()

* Department of Psychiatry, College of Medicine, Seoul National University Hospital, Seoul
** () Department of Child & Adolescent Psychiatry, College of Medicine, Seoul National University Children's Hospital, Seoul
†Corresponding author

가 3 가

중심 단어 :

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가 8)

가 9).

(phobia),

(obsessive compulsive disorder), (panic disorder), (generalized anxiety disorder)

(vulnerability)

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방 법

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1. 연구 대상

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12.5±2.7 ,

(2 / 39 / 11) .

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(Table 1).

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3. 연구 도구

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4 / 24 / 11) .

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14.6±2.7

23

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1) 한국형 소아 상태-특성 불안척도

Spielberger's State - Trait Anxiety Inventory for Children (1989)

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2. 대조군

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Table 1. Demographic data

Characteristics	Patient(N=39)	Control(N=52)	p
Age(years)	43.4±5.4	44±4.4	NS*
Sex(Male/Female)	23(59)/16(41)	30(58)/22(42)	NS*
Education(years)	12.3±3.1	12.5±2.7	NS*
Psychiatric diagnosis			
Schizophrenia	12(30.8)		
Delusional disorder	3(7.7)		
Bipolar I disorder	7(17.3)		
Major depressive disorder	2(5.8)		
Dysthymic disorder	1(1.9)		
Somatoform disorder	7(17.3)		
Panic disorder	3(7.7)		
Obsessive compulsive disorder	2(5.8)		
Primary insomnia	1(3.8)		
Alcohol dependence	1(1.9)		
SES			NS**
Upper	4(10.3)	2(3.8)	
Middle	24(61.5)	39(75. 0)	
Lower	11(28.2)	11(21.2)	
Offspring's age	14.6±2.7	14.4±2.4	NS*
Offspring's sex(Male/Female)	23(44.2)/29(55.8)	24(46.1)/28(53.9)	NS*

() %
 NS* : non significant in Student's t test, NS** : non significant in χ^2 test

2) 한국형 소아 우울척도
 Kovacs Children's Depression Inventory
 (1990)
 (0, 1, 2) 가
 0 54 가
 가 가
 27 가
 3가 (0, 1, 2) 가
 0 54 가
 가 가
 17 (2) 2, (intellectual and school status)
 가
 3) 한국형 소아 자기 개념 척도
 Piers - Harris Self concept Scale
 (1994)
 80 가 가
 가 가
 1 13 (3) 3, (physical appearance and attribute)
 가 80
 가 가

(4)	4,	(anxiety)	4) 가정환경 척도
14			Moos Family Environment Scale
			(1995)
			90 - 2
		가	. 10
(5)	5,	(popularity)	9
12		가	1
		가	0 9
			3
(6)	6,	(happiness and satis-	(1) (relationship dimension)
10		faction)	1, (cohesion) : 가
		가	2, (expressiveness) : 가

Table 2. Comparison of scales between patient's offspring and control's offspring

	Patient's offspring (N=52)	Control's offspring (N=52)	t	df	p
CDI	12.02 ± 6.47	14.29 ± 5.92	- 1.87	102	NS
SAI	35.62 ± 8.35	32.56 ± 7.02	2.02	102	0.046*
TAI	34.12 ± 7.39	35.13 ± 6.87	- 0.73	102	NS
PHCSCS					
CC1	11.67 ± 3.02	10.58 ± 3.35	1.75	102	NS
CC2	10.13 ± 3.72	8.38 ± 3.59	2.44	102	0.016*
CC3	6.58 ± 3.04	5.85 ± 3.16	1.20	102	NS
CC4	8.67 ± 3.42	7.81 ± 3.40	1.29	102	NS
CC5	7.94 ± 2.54	6.90 ± 2.38	2.15	102	0.034*
CC6	6.79 ± 2.70	6.71 ± 2.36	0.16	102	NS
CTOTAL	51.00 ± 13.09	46.48 ± 11.99	1.84	102	NS
FES					
FF1	5.75 ± 2.18	6.10 ± 2.25	- 0.80	102	NS
FF2	3.46 ± 1.39	4.23 ± 1.50	- 2.71	102	0.008*
FF3	3.44 ± 1.96	3.27 ± 2.00	0.45	102	NS
FF4	5.16 ± 1.57	5.48 ± 1.41	- 1.25	102	NS
FF5	5.25 ± 2.00	5.15 ± 1.56	0.27	102	NS
FF6	4.02 ± 1.87	4.17 ± 2.14	- 0.39	102	NS
FF7	3.23 ± 1.97	3.83 ± 1.72	- 1.64	102	NS
FF8	4.38 ± 2.11	4.54 ± 2.06	- 0.38	102	NS
FF9	4.65 ± 2.15	4.75 ± 2.06	- 0.23	102	NS
FF10	3.29 ± 1.80	3.71 ± 1.76	- 1.21	102	NS

CDI : Children's Depression Inventory, SAI : State Anxiety Inventory, TAI : Trait Anxiety Inventory
 PHCSCS : Piers-Harris Children's Self Concept Scale, CC1-6 : PHCSCS subscale score, CTOTAL : PHCSCS total score, FES : Family Environment Scale, FF1-10 : FES subscale score
 Values : M ± SD, NS : non significant statistics, *p < 0.05 in Student's t test

phasis) : , 가

(3) (system maintenance dimension)
9, (organization) : 가

(2) (personal growth dimension)
4, (independence) : 가
10, (control) : 가

5, (achievement orientation) :

4. 자료분석

1)
Student's t test
Chi - square test .

2)
Student's t test .

3)
6, - (intellectual - cultural orientation) : , ,
7, 가 (active recreational orientation) : , 가
8, (moral - religious em -

Table 3. Comparison of offspring's scales by patient's sex

	Patient sex		df	F	p
	Male(N=30)	Female(N=22)			
CDI	11.77 ± 6.18	12.36 ± 6.99	1	0.19	NS
SAI	35.30 ± 7.94	36.05 ± 9.04	1	0.19	NS
TAI	34.17 ± 7.34	34.05 ± 7.63	1	0.01	NS
PHCSCS					
CC1	11.30 ± 3.08	12.18 ± 2.94	1	1.00	NS
CC2	9.80 ± 3.61	10.59 ± 3.90	1	0.48	NS
CC3	6.80 ± 3.40	6.27 ± 2.53	1	0.52	NS
CC4	9.07 ± 3.11	8.14 ± 3.82	1	1.36	NS
CC5	8.37 ± 2.58	7.36 ± 2.42	1	2.23	NS
CC6	6.90 ± 2.58	6.64 ± 2.92	1	0.25	NS
CTOTAL	51.57 ± 12.69	50.23 ± 13.89	1	0.30	NS
FES					
FF1	5.50 ± 2.33	6.09 ± 1.95	1	0.91	NS
FF2	3.47 ± 1.38	3.45 ± 1.44	1	0.01	NS
FF3	3.57 ± 2.24	3.27 ± 1.55	1	0.21	NS
FF4	5.37 ± 1.54	4.77 ± 1.57	1	1.80	NS
FF5	5.23 ± 2.21	5.27 ± 1.72	1	0.01	NS
FF6	3.93 ± 1.95	4.14 ± 1.81	1	0.08	NS
FF7	3.30 ± 2.15	3.14 ± 1.73	1	0.15	NS
FF8	4.20 ± 2.20	4.64 ± 1.99	1	0.64	NS
FF9	4.93 ± 1.91	4.27 ± 2.43	1	1.70	NS
FF10	3.13 ± 1.55	3.50 ± 2.11	1	0.55	NS

CDI : Children's Depression Inventory, SAI : State Anxiety Inventory, TAI : Trait Anxiety Inventory
PHCSCS : Piers-Harris Children's Self Concept Scale, CC1-6 : PHCSCS subscale score, CTOTAL : PHCSCS total score, FES : Family Environment Scale, FF1-10 : FES subscale score
Values : M ± SD, NS : non significant statistics in ANCOVA(covariate is offspring's age)

19) (Analysis of Covariance, ANCOVA) 가 (=35.62±8.35, = 32.56±7.02 ; t=2.02, df=102, p<0.05) 가 3 3

19) (Analysis of Covariance, ANCOVA) 가 (=3.46±1.39, =4.23±1.50 ; t= -2.71, df=102, p<0.05).

19) ANCOVA 가 (=10.13±3.72, =8.38 ±3.59 ; t=2.44, df=102, p<0.05) 5 (=7.94±2.54, =6.90 ±2.38 ; t=2.15, df=102, p<0.05)

결 과

1. 환자의 자녀와 정상인의 자녀사이의 비교

가 (Table 2).

Table 4. Comparison of offspring's scales by offspring's age at patient's onset time

	Offspring's age at patient's onset time		df	F	p
	- 3years(N=18)	> 3years(N=34)			
CDI	13.33± 8.08	11.32± 5.45	1	1.04	NS
SAI	37.72± 10.81	34.50± 6.62	1	1.71	NS
TAI	36.89± 8.66	32.65± 6.27	1	4.57	0.037*
PHCSCS					
CC1	10.94± 3.69	12.06± 2.58	1	1.50	NS
CC2	8.94± 4.14	10.76± 3.38	1	2.79	NS
CC3	6.89± 3.07	6.41± 3.07	1	0.43	NS
CC4	8.22± 3.62	8.91± 3.34	1	0.20	NS
CC5	7.72± 2.97	8.06± 2.32	1	0.21	NS
CC6	6.28± 2.82	7.06± 2.64	1	0.66	NS
CTOTAL	47.83± 14.01	52.68± 12.47	1	1.47	NS
FES					
FF1	5.11± 2.35	6.09± 2.04	1	2.70	NS
FF2	3.00± 1.24	3.71± 1.43	1	3.01	NS
FF3	3.78± 2.05	3.26± 1.93	1	0.71	NS
FF4	5.39± 1.42	4.97± 1.64	1	0.81	NS
FF5	5.00± 1.88	5.38± 2.07	1	0.48	NS
FF6	4.00± 1.85	4.03± 1.91	1	0.01	NS
FF7	3.78± 1.96	2.94± 1.94	1	2.62	NS
FF8	3.67± 1.97	4.76± 2.10	1	3.68	NS
FF9	4.17± 2.60	4.91± 1.86	1	1.36	NS
FF10	2.44± 1.42	3.74± 1.83	1	6.82	0.012*

CDI : Children's Depression Inventory, SAI : State Anxiety Inventory, TAI : Trait Anxiety Inventory
 PHCSCS : Piers-Harris Children's Self Concept Scale, CC1-6 : PHCSCS subscale score, CTOTAL : PHCSCS total score, FES : Family Environment Scale, FF1-10 : FES subscale score
 Values : M±SD, NS : non significant statistics, *p<0.05 in ANCOVA(covariate is offspring's age)

2. 남자환자의 자녀와 여자환자 자녀의 비교

(Table 4).

가, 가
가 (Table 3).

3. 부모의 정신 질환 이환 당시 자녀의 나이에 따른 비교

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(3 =2.44 ± 1.42, 3
=3.74 ± 1.83 ; df=1, F=6.82, p<0.05)

(3 ; 36.89 ± 8.66, 3
; 32.65 ± 6.27 ; df=1, F=4.57, p<0.05)

4. 정신분열병 범주 장애-정동 장애-신경증 환자 집단의 자녀 간의 비교

(schizophrenia,

delusional disorder) - (bipolar I disorder, major depressive disorder, dysthymic disorder) - (somatoform disorder, panic disorder, obsessive compulsive disorder, primary insomnia)

(Table 5).

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Table 5. Comparison of offspring's scales by patient's diagnosis

	patient's diagnosis			df	F	p
	SSD(N=20)	MD(N=13)	Neurosis(N=18)			
CDI	12.20 ± 7.30	10.62 ± 5.20	12.33 ± 6.39	2	0.38	NS
SAI	34.90 ± 9.88	34.15 ± 6.63	36.89 ± 7.65	2	0.80	NS
TAI	34.05 ± 7.99	32.69 ± 7.64	34.33 ± 5.90	2	0.42	NS
PHCSCS						
CC1	12.05 ± 3.10	12.00 ± 3.16	11.33 ± 2.70	2	0.69	NS
CC2	9.20 ± 4.10	11.62 ± 3.82	10.22 ± 3.08	2	1.66	NS
CC3	5.95 ± 3.14	7.08 ± 2.43	6.78 ± 3.41	2	0.47	NS
CC4	8.80 ± 3.78	9.00 ± 3.14	8.50 ± 3.37	2	0.24	NS
CC5	8.15 ± 2.46	8.08 ± 2.25	7.61 ± 2.97	2	0.34	NS
CC6	6.30 ± 2.94	7.31 ± 2.59	7.00 ± 2.63	2	0.44	NS
CTOTAL	50.45 ± 13.09	52.92 ± 14.09	50.72 ± 13.21	2	0.21	NS
FES						
FF1	5.30 ± 2.43	6.69 ± 2.18	5.72 ± 1.71	2	2.02	NS
FF2	3.50 ± 1.19	3.62 ± 1.26	3.22 ± 1.70	2	0.41	NS
FF3	3.20 ± 1.70	3.92 ± 1.98	3.33 ± 2.30	2	0.76	NS
FF4	5.00 ± 1.65	5.46 ± 1.56	5.06 ± 1.55	2	0.36	NS
FF5	4.55 ± 1.96	6.00 ± 1.87	5.56 ± 2.01	2	2.71	NS
FF6	3.45 ± 1.64	4.54 ± 2.07	4.28 ± 1.96	2	1.42	NS
FF7	2.50 ± 1.93	4.08 ± 1.85	3.50 ± 1.92	2	2.70	NS
FF8	4.05 ± 2.06	4.62 ± 2.29	4.39 ± 1.97	2	0.44	NS
FF9	4.30 ± 2.49	4.69 ± 2.36	5.06 ± 1.63	2	0.34	NS
FF10	2.90 ± 1.55	3.38 ± 1.33	3.61 ± 2.33	2	0.84	NS

CDI : Children's Depression Inventory, SAI : State Anxiety Inventory, TAI : Trait Anxiety Inventory
PHCSCS : Piers-Harris Children's Self Concept Scale, CC1-6 : PHCSCS subscale score, CTOTAL : PHCSCS total score, FES : Family Environment Scale, FF1-10 : FES subscale score, SSD : schizophrenia spectrum disorder, MD : mood disorder, Values : M ± SD, NS : non significant statistics in ANCOVA(covariate is offspring's age)

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IMPACT OF PARENTAL PSYCHIATRIC DISORDER ON OFFSPRING'S DEPRESSION, ANXIETY, SELF CONCEPT AND PERCEPTION OF FAMILIAL RELATIONSHIP

Jung Bum Lee, M.D., Soo Churl Cho, M.D.

Department of Psychiatry, College of Medicine, Seoul National University Hospital, Seoul

Objectives : This study was to investigate the impact of parental psychiatric disorder on offspring's depression, anxiety, self concept, perception of familial relationship compared with offspring of normal control. In offsprings of parents with psychiatric disorder, this study explored whether their psychopathology, self concept, and perception of familial relationship were influenced by paren's sex, onset time of parent's psychiatric disorder and parent's psychiatric diagnosis.

Methods : 52 offsprings aged 10 -18 years of 39 psychiatric outpatient were surveyed from June, 1997 to April, 1998 and completed several questionnaire, including Korean form of the Family Environment Scale, Korean form of the State-Trait Anxiety Inventory for Children, Korean form of Kovac's Children's Depression Inventory, and Korean form of Piers-Harris Children's Self-Concept Scale. Their score was compared with offsprings' of normals.

In offsprings of parents with psychiatric disorder, they were compared according to parent's sex, onset time of parent's psychiatric disorder and parent's psychiatric diagnosis.

Results : The results were as follows :

1) Offsprings of parents with psychiatric disorder reported higher level of state anxiety and lower level of the FES expressive subscale than offsprings of normals ($p < 0.05$). But they reported higher level of PHCSCS intellectual & school status subscale and popularity subscale than normals ($p < 0.05$).

2) There were no differences in anxiety, depression, self concept, and perception of familial relationship between patient's sex.

3) Offsprings less than 3 years old when parent's psychiatric disorder had developed showed higher level of trait anxiety and lower level of FES control subscale than offsprings more than 3 years old ($p < 0.05$).

4) There were no differences in anxiety, depression, self concept, and perception of familial relationship between patient's diagnostic groups (schizophrenia spectrum disorder-mood disorder-neurosis).

Conclusion : The finding indicated that self reported scale of anxiety and depression showed no significant difference between offsprings of psychiatric patients and offsprings of normals. In offsprings of parents with psychiatric disorder, parent's sex and psychiatric diagnosis had no influence on offspring's psychopathology. But the offspring's age (before 3 years old) when the parent's psychiatric disorder developed had influence on higher level of offspring's trait anxiety. For further high risk group study, direct interview and evaluation of parent-child agreement or teacher-child agreement will be needed in longitudinal study.

KEY WORDS : Psychiatric patient · Offspring · Depression · Anxiety · Family environment · Self concept.