

## 자폐증 환자의 형제 및 자매의 정서적 특성에 대한 예비연구

A PILOT STUDY FOR THE EMOTIONAL CHARACTERISTICS  
OF THE SIBLINGS OF CHILDREN WITH AUTISM오창근\*<sup>†</sup> · 홍성도\* · 김지혜\* · 심세훈\*\*Chang Guen Oh, M.D., \*<sup>†</sup> Sungdo D. Hong, M.D., \*  
Ji-Hae Kim, Ph.D., \* Se Hoon Shim, M.D. \*\*

연구목적 :

연구방법 : DSM - IV  
10~16

17

가,

17 , 34

가

가 t - test

결 과 :

가

결 론 :

가

가 가

중심 단어 :

## 서 론

가

1).

2).

3).

가

4).

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가, 가, 5), 가, 6-8), 가가 가, 9), 가 연구방법 10)11), 1. 연구대상의 인구학적 특징 Table 1 가 . 가 가 / / 가 12), 가 17 가 17 34 . DSM - IV<sup>13)</sup> 가, 12 5

**Table 1.** Sociodemographic characteristics of subjects

Variables/Group(No)	Autism group	Control group	p value
Sex(M : F)	7 : 10	7 : 10	
Mean age(S.D.)	12.17(2.09)	12.17(2.09)	n.s.
SES*(%)			n.s.
High	4(24)	4(24)	
Middle	10(59)	9(53)	
Low	3(17)	4(24)	
Level of Father's education			n.s.
University	11(65)	10(59)	
High school	4(24)	5(29)	
Middle school	2(11)	2(12)	
Level of Mother's education			n.s.
University	9(53)	9(53)	
High school	6(35)	7(41)	
Middle school	2(12)	1( 6)	

\* : Socio-economic status, n.s. : non-significant

가

2. 연구도구

1) 한국판 아동청소년 행동평가 척도(Korean -Child Behavior Checklist : K-CBCL)  
Achenbach Edelbrock<sup>14)</sup> 15)  
CBCL  
가  
“  
(0 ) ” (2 ) 3  
. 119 5 가  
, 7  
(Cronbach 's alpha) .89  
.86  
(Cronbach 's alpha) .62

2) 한국형 소아 우울척도  
Kovacs ' Children Depression Inventory  
<sup>16)</sup>  
. 27  
3가  
(0 , 1 , 2 ) 가  
54 (Cron-  
bach 's alpha) .83

3) 소아불안척도(Revised Children 's Manifest Anxiety Scale ; RCMAS)  
RCMAS Reynolds Richmond<sup>17)</sup>가  
가 가 . RCMAS  
<sup>18)</sup> <sup>19)</sup>  
37  
, 28  
(lie)  
.9  
(Cronbach 's alpha)  
.85

4) 자기개념척도  
Harter<sup>20)</sup>가 (Self - Perception Profile for Children ; SPPC)  
. 36  
(scholastic competence), (social competence),  
(physical appearance), (behavioral conduct),  
가 (global self - worth) 6  
6  
. Harter ( ) 6  
(Cronbach 's alpha) .89

5) 자아존중감 척도  
Rosenberg<sup>21)</sup>가  
<sup>22)</sup>가 5  
5 10  
10 40 가  
(Cronbach 's alpha) .79

### 3. 자료분석

SPSS WIN v.  
Student 's t - test  
11.0

## 결 과

### 1. 부모가 평가한 자폐아 형제의 행동평가 척도

가  
17 Table 1  
CBCL  
(Table 2).

### 2. 우울, 불안 및 자아존중감 점수 비교

(Table 3).

### 3. 자기개념 점수 비교

가, 가

(Table 4).

### 고 찰

가 가

**Table 2.** Comparison of K-CBCL between siblings of autism and control group

	Autism group	Control group	T	Df	p
Social	42.06 ± 14.90	54.71 ± 16.39	3.216	32.0	.003*
School	43.24 ± 17.59	51.06 ± 12.16	1.820	16.5	.087
Total Social competence	38.71 ± 20.78	53.71 ± 15.96	2.861	18.6	.010*
Withdrawn	56.94 ± 22.90	50.59 ± 14.37	-.969	26.9	.341
Somatic complaints	52.41 ± 16.86	48.82 ± 13.18	-.691	32.0	.494
Anxious/Depressed	55.00 ± 20.21	49.65 ± 13.52	-.908	27.9	.372
Social problems	61.76 ± 15.23	51.76 ± 15.53	-1.896	32.0	.067
Thought problems	56.29 ± 18.85	49.71 ± 13.50	-1.171	28.9	.251
Attention problems	53.94 ± 16.92	51.00 ± 14.59	-.543	32.0	.591
Delinquent behavior	52.53 ± 18.87	48.71 ± 12.83	-.691	32.0	.495
Aggressive behavior	53.06 ± 17.43	19.65 ± 13.60	-.636	32.0	.529
Internalizing problems	54.88 ± 19.56	49.76 ± 13.40	-.890	32.0	.380
Externalizing problems	53.24 ± 19.54	49.18 ± 13.25	-.709	32.0	.483
Total behavior problems	54.76 ± 19.72	49.18 ± 13.25	-.970	32.0	.339

\* : p<0.05

**Table 3.** Comparison of CDI, RCMAS and Self-esteem between siblings of autism and control group

	Autism group	Control group	T	Df	p
CDI <sup>†</sup>	14.59 ± 8.31	12.71 ± 7.34	.700	32	.489
RCMAS <sup>‡</sup>	16.88 ± 5.69	16.35 ± 6.52	.244	31	.809
Self-esteem	28.00 ± 5.45	27.41 ± 6.53	.274	30	.786

\* : p<0.05, † : CDI : Kovacs' Children Depression Inventory, ‡ : RCMAS : Revised Children's Manifest Anxiety Scale

**Table 4.** Comparison of Self-concept between siblings of autism and control group

	Autism group	Control group	T	Df	p
scholastic competence	12.18 ± 2.65	12.18 ± 3.43	-.010	31	.992
social acceptance	14.2 ± 44.42	14.69 ± 3.66	-.319	31	.752
athletic competence	12.53 ± 4.16	12.88 ± 3.91	-.246	31	.808
physical appearance	12.29 ± 3.93	11.06 ± 4.80	.809	31	.425
job competence	12.65 ± 3.39	12.69 ± 3.34	-.034	31	.973
romantic appeal	12.12 ± 3.39	10.44 ± 3.71	1.360	31	.183
behavioral conduct	13.36 ± 3.44	13.94 ± 3.53	-.456	30	.651
close friendship	15.76 ± 4.64	14.69 ± 3.81	.726	31	.473
self-worth	14.82 ± 3.59	13.06 ± 3.64	1.398	31	.172

\* : p<0.05



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## A PILOT STUDY FOR THE EMOTIONAL CHARACTERISTICS OF THE SIBLINGS OF CHILDREN WITH AUTISM

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**Objectives** : This study was designed to compare the emotional/behavioral characteristics between the siblings of children with autism and normally developing children.

**Methods** : The subjects were 34 children between 10 and 16 years of age, 17 siblings of children with autism, 17 siblings of nonhandicapped children. Both groups performed CDI (Kovacs' Children Depression Inventory), RCMAS (Revised Children's Manifest Anxiety Scale), SPPC (Self-Perception Profile for Children), Self-esteem scale. Their mothers performed K-CBCL (Korean -Child Behavior Checklist). The results of those test were analysed by Student's-t-test.

**Results** : Both social competence and total social competence subscale scores were significantly lower in sibling group of children with autism than in control group. However, each group was not significantly different on the scores of internalizing symptom, externalizing symptom subscale of CBCL, CDI, RCMAS, Self-Perception Profile and Self-esteem scale.

**Conclusion** : Siblings of children with autism had a lower social competence than normal control group. Group comparisons indicated that siblings of children with autism and normal children did not differ on any self-report measures such as anxiety, depression, self-concept and self-esteem. Further research using more subjects will be needed.

**KEY WORDS** : Autism · Siblings.