

(Rogers 1993). 가
가
가 (Shapiro 1987 ; Rogers 1991, 1993), IQ(Capps 1994 ; Rogers 1991, 1993),
가 (Capps 1994 ; Shapiro 1987)
(Dissanayake Crossley 1996 ; Rogers 1991, 1993 ; Shapiro 1987 ; Sigman Mundy 1989 ; Sigman Ungerer 1984). 가 Rogers (1991, 1993)
Capps (1994) Sigman Mundy(1989),
가 Rogers (1991)
가 Shapiro (1987) Sigman Ungerer(1984)
(Sigman Mundy 1989)
(B), - (A), - (C) 가
53%, - 33%, -
13% ,
50%, - 40%, - 10%
. Rogers (1991, 1993) , 1. 대 상
가
50%가 . Capps (1994) ABC 가가 DSM -
(D)(Main Solomon 1990) (PDD NOS)
. 19 4
(21%) 가 가 15
D , 가 ,
40%, - ,
13%, - 7%, / 20%, 가가
20% 가
(1993)가 가
(primary attachment disorder)
Table 1 . 25
(1996 ; 1994 ; (20 , 5) , 가
1995). 가
가 ABC/D 64.8 (CARS)
35.4

연구 방법

2. 측정도구 및 절차

1) 낯선상황절차(Strange Situation Procedure : SSP)

Ainsworth가
가

Table 2

(Minnesota Attachment Assessment Work-shop) 가

(Proximity and contact seeking), (Contact maintaining), (Resistance), (Avoidance) (interactive behavior)

(A), (C), / (D) 가

84%(25

21) , 가가

Table 1. Descriptive data for subjects

	M	SD
Chronological age(month)	41.5	9.3
Social quotient	64.8	18.5
CARS	35.4	5.2

Table 2. Episodes of the strange situation

Number of episode	Person present	Duration	Brief description of action
1	Mother, Baby & observer	30 secs.	Observer introduces mother and baby to experimental room, then leaves.
2	Mother & baby	3 min.	Mother is nonparticipant while baby explores ; if necessary, play is stimulated after 2 minutes.
3	Stranger, mother & baby	3 min.	Stranger enters. First minute : Stranger silent. Second minute : Stranger converses with mother. Third minute : Stranger approaches baby. After 3 minutes mother leaves unobtrusively.
4	Stranger & baby	3 min. or less	First separation episode. Stranger's behavior is geared to that of baby.
5	Mother & baby	3 min. or more	First reunion episode. Mother greets and/or comforts baby, then tries to settle him again in play. Mother then leaves, saying " bye-bye ?"
6	Baby alone	3 min. or less	Second separation episode.
7	Stranger & baby	3 min. or less	Continuation of second separation. Stranger enters and gears her behavior to that of baby.
8	Mother & baby	3 min.	Second reunion episode. Mother enters, greets baby, then picks him up. Meanwhile stranger leaves unobtrusively.

가 가 . 17 D

Table 3

.94 .88, .97

2) 사회성숙도 검사

가 가 가

3) 소아기 자폐증 평정 척도(The Childhood Autism Rating Scale : CARS)

CARS(Schopler, Reichler Renner 1986)

(severity of symptom)

29.5 , 30 36.5 , 37

Table 3. The interrater reliability of interactive behavior with mother in each reunion episode

Behavior	Episode	
	5	8
Proximity and contact seeking	.88	.95
Contact maintaining	.96	.89
Resistance	.93	.96
Avoidance	.94	.97

결 과

1. 자폐아의 애착 안정성 평가

ABC/D 가 , 가
 84%(21) 가 가 16%(4)
 가 가 Table 4

44% 가 - 가
 20% / ,
 가 가 16% -
 4% 가 .
 44%, 40%

. D 가 가 , 가 가
 , a 가
 . b
 , c
 , d 가 가 가 가 가

가 가 , 1
 가 가 2
 가 가 3
 4

Table 5

Table 4. Percentage of autistic children among the four strange-situation groups

Group	%	N
B	44	11
A	20	5
C	4	1
D	16	4
NC*	16	4
Total	100	25

* NC : not classifiable

Table 5. Group means and standard deviation for measures of interactive behavior with mother in each reunion episode

Group	First reunion		Second reunion	
	M	SD	M	SD
Proximity and contact seeking				
A	2.00	1.73	1.60	0.55
B	3.36	2.01	4.73	1.19
C	4.00	0.00	6.00	0.00
Contact maintaining				
A	1.40	0.89	1.20	0.45
B	2.09	1.38	2.91	1.30
C	5.00	0.00	6.00	0.00
Resistance				
A	1.40	0.89	2.00	2.24
B	1.09	0.30	1.18	0.40
C	5.00	0.00	5.00	0.00
Avoidance				
A	5.40	2.51	6.00	1.00
B	2.36	1.96	1.00	0.00
C	1.00	0.00	1.00	0.00

가 , 가 가 , , 가
 가 (Siegel 1996) ,
 가 , 가 가
 가 (Rogers 1991 ; 가 가
 Capps 1994). Siegel(1996) 가
 (intersubjectivity) 가
 (Baron - 가가
 Cohen 1989) .
 가 ,
 (Dawson
 , Ainsworth (1978) Galpert 1990 ; Rogers 1993)
 66%, - 22%, - 가
 12% , (Sigman Mundy 1989 ; Stahlec-
 (1996) 65%, - ker Cohen 1985).
 20%, - 10%, /
 5% .
 가 - 가 (secure base)
 가 가 (Capps 1994 ; Dissanayake
 Crossley 1996).
 가 가 .

References

- 가 김승국·김옥기 역(1985) : 사회성숙도 검사. 중앙적
 성출판사
 가 신의진·이순행·이경숙·전여숙·노경선·민성길
 (Kwon (1996) : 반응성 애착장애아동의 애착 유형. 신경
 정신의학 35(6) : 1330-1338
 1990 ; Siegel 1996 ; Sigman Mundy 1989).
 가 가 4
 가 임숙빈·홍강의(1994) : 자폐장애의 애착증진 치료. 한
 국자폐학회, 한국자폐학회 학술대회 제1회, pp40-61
 가 임숙빈·주세진·권미경·곽은영·홍강의(1996) :
 어머니 일기분석을 통해 본 발달장애 아동의 행
 동변화. 한국자폐학회, 한국자폐학회 학술대회 제
 3회, pp103-124
 가 (Siegel 1996)가 주세진·홍강의·임숙빈·권미경·곽은영(1995) :

- 애착증진프로그램의 효과. 한국자폐학회, 한국자폐학회 학술대회 제2회, pp119-134
- 홍강의 (1993) : 자폐장애-자폐장애의 본질과 개념변천에 관한 고찰-. 소아·청소년정신의학 4(1) : 3-26
- Ainsworth MDs, Blehar MC, Waters S & Wall** (1978) : Patterns of Attachment, NJ : LEA
- American Psychiatric Association** (1994) : Diagnostic and Statistical manual of mental disorders, IV. Washington, DC
- Baron-Cohen S** (1989) : Are Autistic Children "Behaviorists"? An Examination of Their Mental-Physical and Appearance-Reality Distinctions. Journal of Autism and Developmental Disorders 19(4) : 579-600
- Capps L, Sigman M & Mundy P** (1994) : Attachment security in children with autism. Development and Psychopathology 6 : 249-261
- Cohen DJ, Paul MR & Volkmar FR** (1987) : Issues in the classification of pervasive developmental disorders and associated conditions. In Cohen DJ & Donnellan AM (Eds.), Handbook of Autism and Developmental Disorders, New York : A Wiley-Interscience Publication, pp20-40
- Dawson G & Galpert L** (1990) : Mother' use of imitative play for facilitating social responsiveness and toy play in young autistic children. Development and Psychopathology 2 : 151-162
- Dawson G & Lewy A** (1989) : Arousal, attention, and the socioemotional impairments of individuals with autism. In Dawson G (Ed.), Autism : Nature, Diagnosis & Treatment, New York : Guilford press, pp49-74
- Dissanayake C & Crossley SA** (1996) : Proximity and Sociable Behaviours in Autism : Evidence for Attachment. Journal of Child Psychology and Psychiatry 37(2) : 149-156
- Hobson RP** (1989) : On sharing experiences. Development and Psychopathology 1 : 197-205
- Jung-Hye Kwon** (1990) : Emotional responsiveness in autistic, mentally retarded, and normal children. Unpublished Ph.D. dissertation, University of California, Los Angeles, Department of Psychology
- Kasari C, Sigman M & Yirmiya N** (1993) : Focused and social attention of autistic children in interactions with familiar and unfamiliar adults : A comparison of autistic, mentally retarded, and normal children. Development and Psychopathology 5 : 403-414
- Kanner L** (1943) : Autistic disturbances of affective contact. Nervous Child 2 : 217-250
- Main M & Solomon J** (1990) : Procedures for identifying infants as disorganized/disoriented during the Ainsworth Strange Situation. In Greenberg MT, Cicchetti D & Cummings EM (Eds.), Attachment in the preschool years, Chicago press : Chicago, pp121-160
- Mundy P, Sigman M, Ungerer J & Sherman T** (1986) : Defining the social deficits of autism : the contribution of non-verbal communication measures. Journal of Child Psychology and Psychiatry 27(5) : 657-669
- Mundy P & Sigman M** (1989a) : Specifying the Nature of the Social Impairment in Autism. In Dawson G (Ed.), Autism/Nature, Diagnosis, and Treatment, The Guilford. New York, pp3-21
- Mundy P & Sigman M** (1989b) : The theoretical implications of joint-attention deficits in autism. Development and Psychopathology 1 : 173-183
- Rogers SJ & Pennington BF** (1991) : A theoretical approach to the deficits in infantile autism. Development and Psychopathology 3 : 137-163
- Rogers SJ, Ozonoff S & Maslin-Cole C** (1991) : A Comparative Study of Attachment Behavior in Young Children with Autism or Other Psychiatric Disorders. Journal of the American Academy of Child and Adolescent Psychiatry 30(3) : 483-488
- Rogers SJ, Ozonoff S & Maslin-Cole C** (1993) : Developmental Aspects of Attachment Behavior in Young Children with Pervasive Developmental Disorders. Journal of the American Academy of Child and Adolescent Psychiatry 32(6) : 1274-1282
- Rutter M** (1978) : Diagnosis and definition of childhood autism. Journal of Autism and Childhood Schizophrenia 8 : 162-169
- Shapiro T, Sherman M, Calamari G & Koch D** (1987) : Attachment in Autism and Other Developmental Disorders. Journal of the American Academy of Child and Adolescent Psychiatry 26(4) : 480-484
- Schopler E, Reichler R & Renner B** (1986) : The Childhood Autism Rating Scale. New York : Irvington
- Siegel B** (1996) : The world of the autistic child. New York : Oxford University Press
- Sigman M & Ungerer JA** (1984) : Attachment Behaviors in Autistic Children. Journal of Autism and Developmental Disorders 14(3) : 231-244
- Sigman M & Mundy P** (1989) : Social Attachments in Autistic Children. Journal of the American Academy of Child and Adolescent Psychiatry 28(1) : 74-81

Stahlecker JE & Cohen MC (1985) : Application of the
Strange Situation Attachment Paradigm to a Neuro-

logically Inpaired Population. *Child Development* 56 :
502-507

ABSTRACT ————— *Korean J Child & Adol Psychiatr* 8 : 175~182, 1997

ATTACHMENT SECURITY IN AUTISTIC CHILDREN

Sang-Won Kim, M.A., Yee-Jin Shin, M.D., Kyung-Sook Lee, Ph.D.

Seoul Dongbu Child Guidance Center, Seoul

25 young autistic children were examined in Ainsworth's Strange Situation. The attachment security of 21 children could be classified. Almost half(44%) of these children were securely attached. The relationship between attachment security and developmental variables(chronological age, social quotient, severity of symptom) was investigated. There were no significant differences on CA, social quotient, and severity of symptom between secure attachment group and insecure attachment group. Although autistic children have social deficits, they develop secure attachment to their mothers.

KEY WORDS : Autism · Attachment.