

Berkeley Puppet Interview의 표준화를 위한 예비 연구
- 증상 척도와 부모-자녀 관계척도

A PILOT STUDY FOR STANDARDIZATION OF BERKELEY
PUPPET INTERVIEW - SYMPTOMATOLOGY &
PARENT-CHILD RELATIONSHIP SCALE

김수경*† · 신민섭** · 손정우*** · 조수철** · 김봉년**

Soo Kyoung Kim, M.A.,*† Min Sup Shin, Ph.D.,** Jung Woo Son, M.D.,***
Soo Churl Cho, M.D.,** Boong Nyun Kim, M.D.**

목 적 : Berkeley Puppet Interview(BPI)
가 BPI 4 7
parent - child relationship, academy & social scale) BPI (symptomatology, marital relationship,
(BPI - S) (BPI - PC)가
가
방 법 : (Receptive language)가 4 7
가 PTI
BPI BPI - S 가
, K - CBCL
결 과 : BPI - S BPI - PC chronbach's alpha=0.74 0.86
BPI - S ADHD 6
중심 단어 :

서 론

8 -

* Department of Child & Adolescents Psychiatry, Seoul National University, Children's Hospital, Seoul

** Division of Child & Adolescents Psychiatry, Department of Psychiatry, Seoul National University, College of Medicine, Seoul

*** Department of Neuropsychiatry, Chungbuk National University Hospital, Cheong

†Corresponding author

가 가

가 6).

가 6).

가 7-9)

가

(receptive language)가

(expressive language)

1) Jeffrey (1998)¹¹⁾

가 가

8 가 Mize Ladd

가 (1988)¹⁰⁾

2-4), 8 4 5 가

가

Byrne(1996)²⁾ 4

7

가 Joseph(1979) Joseph Pre-school and Primary Self Concept Screening Test (JPPSST) 1984 Harter Pictorial Scale of Perceived Competence and Social Acceptance for Young Children(PSPCSA)

PSPCSA

가 가 BPI

(cri-

terian validity) 가 BPI 가

5).

8

가 가 Berkeley Puppet Interview¹²⁾

. 8

가 BPI 4 7

가 BPI

1)

가

6) 가 가 . 가

3가 , , 가 BPI 7 13)14) , , , 3가 , , BPI 가 8 , , , 가 가 , , 가 , “ ; “ 2002 8 2002 11 ” “ ? ” , 가 가 37 , , BPI , BPI 가 가 4 7 , , 4 7 20 , 17 , 4 가 5 , 5 10 , 6 11 7 11 .

연구대상 및 방법

1. 연구대상

2002 8 2002 11 4 7 37 28 , 9 , 17 , 4 가 5 , 5 10 , 6 11 7 11 .

(Table 1).

BPI 6
 BPI - S() BPI - PC()
) . BPI - S
 가 65
 , 3 9
 . 3 (, , ,
), (, ,
 가) , 7
 (,) BPI - PC 42
 , 4 . BPI
 4
 가 . 4
 , , ,

2. 연구방법

1) BPI(Berkeley puppet interview)

BPI , “ ” “ ” “ ” 가 가 .

Table 1. Means and standard deviation of group in age, vocabulary scale and information scale

4 (n=5)	5 (n=10)	6 (n=11)	7 (n=11)
M(SD)	M(SD)	M(SD)	M(SD)
4.3(1.38)	5.8(1.45)	6.5(1.35)	7.4(2.13)
10 (1.58)	11.5(2.71)	11.4(2.80)	9.5(1.29)
9.4(2.07)	10.7(2.26)	11 (2.49)	10 (1.77)

7 Likert
7, 1

2) 그림지능검사(Picture test inventory : PTI)¹⁵⁾
BPI ()
(8)

3) K-CBCL(Korean-Child behavior checklist)¹⁶⁾
BPI - S Achenbach
Edelbrock(1983) 가
가 K - CBCL
K - CBCL

119
3 가
3. 연구 절차
PTI 4 7
가
1

, rapport
BPI 2
가 BPI 가
가 K - CBCL

4. 자료 분석
SPSS 10.0 version

. BPI - S BPI - PC
가 Cronbach 's alpha
BPI - S K - CBCL
Pearson

결 과

1. 신뢰도(Reliability)

1) 채점자간 신뢰도(Inter-scorer reliability)

10
가 가
BPI - S r=0.78
, BPI - PC r=0.83

2)내적일관성(Internal consistency)

BPI - S 59 Cronbach 's alpha=
0.74 9가
Cronbach 's alpha
(7) = - 0.09,
(6) = 0.75, (7) = 0.59,
(6) = 0.53,
(7) = 0.40, (9) = 0.22, 가
(6) = - 0.14, ADHD - (5
) = 0.73 ADHD - (6) = 0.78
6

BPI - PC 42 Cronba-
ch 's alpha=0.86
21 가 0.85
0.83 . 47가
(6) Cronbach 's alpha
0.63 , (6) 0.71,
(4) Cronbach 's alpha 0.78

Table 2. Correlation between BPI-S and K-CBCL

Pearson'	-0.254	-0.254	0.223	0.007	0.098	0.205	0.284	0.124	0.477**	0.133	-0.031	0.168
Significance	0.465	0.129	0.185	0.969	0.565	0.224	0.088	0.466	0.003	0.433	0.857	0.320
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	-0.372**	-0.181	-0.456**	-0.076	-0.219	-0.125	-0.223	-0.243	-0.431**	-0.108	-0.002	0.152
Significance	-0.023	0.284	0.005	0.653	0.194	0.461	0.185	0.148	0.008	0.526	0.989	0.369
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	-0.276	0.021	-0.290	-0.001	-0.114	0.080	-0.179	0.110	-0.117	0.021	0.174	0.310
Significance	0.098	0.902	0.082	0.995	0.503	0.637	0.288	0.518	0.492	0.901	0.604	0.062
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	-0.575**	-0.343*	-0.434**	-0.126	-0.419**	-0.185	-0.323	-0.308	-0.298	-0.293	-0.163	0.226
Significance	0.000	0.037	0.007	0.457	0.010	0.274	0.052	0.064	0.074	0.078	0.336	0.179
Number	37	37	37	37	37	37	37	37	37	37	37	37

* : p<0.05, ** : p<0.01

가 (5) Cro-
nbach's alpha 0.67 .
가
0.81, 0.78, 0.56, 0.63

2. BPI-S 타당도 (Validity)

1) 변별 타당도

BPI - S (, , ,) , (, , ,) , 가 ()
(,)
p<0.05 r = - 0.294

2) 공존 타당도와 변별 타당도에 근거한 구성 타당도

BPI - S
BPI - S 3
, BPI - S K - CBCL
가 p<0.01 r=0.477
, BPI - S K - CBCL
p<0.05 r = - 0.431
(Table 2). BPI - S ADHD
K - CBCL
p<0.01 - 0.575, - 0.343,
- 0.413
BPI - S 9
Table 3
, BPI - S K - CBCL
p<0.05 r = - 0.386
K - CBCL
(r=0.494, p<0.01) (r=0.375,
p<0.05)
p<0.01 r = - 0.430
p<0.01 r=0.334

Table 3. Correlation between BPI-S and K-CBCL

Pearson'	-0.386*	-0.155	0.101	-0.104	0.057	0.007	0.185	0.031	0.074	0.018	-0.020	-0.070
Significance	0.018	0.361	0.551	0.540	0.739	0.967	0.274	0.856	0.665	0.914	0.905	0.681
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	0.000	0.035	0.205	0.062	0.022	0.238	0.192	0.187	0.494**	0.123	0.015	0.375*
Significance	0.999	0.839	0.223	0.716	0.899	0.156	0.254	0.267	0.002	0.468	0.939	0.022
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	-0.053	-0.430**	0.151	-0.004	0.131	0.128	0.240	0.021	0.334*	0.108	-0.062	-0.044
Significance	0.755	0.008	0.372	0.983	0.441	0.451	0.153	0.903	0.043	0.523	0.716	0.794
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	-0.336*	0.013	-0.257	0.109	-0.102	0.011	-0.177	-0.164	-0.325*	-0.054	0.271	0.113
Significance	0.042	0.928	0.125	0.523	0.548	0.948	0.296	0.333	0.050	0.749	0.105	0.507
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	-0.431**	-0.258	-0.485**	-0.187	-0.479**	-0.270	-0.401*	-0.322	-0.549**	-0.251	-0.170	0.074
Significance	0.008	0.123	0.002	0.267	0.003	0.106	0.014	0.052	0.000	0.134	0.313	0.663
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	-0.314	-0.423**	-0.482**	-0.229	-0.084	-0.235	-0.099	-0.376*	-0.275	-0.167	-0.060	0.214
Significance	0.058	0.009	0.003	0.172	0.619	0.162	0.558	0.022	0.099	0.323	0.722	0.204
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	0.053	0.181	-0.143	0.078	0.037	0.171	0.064	0.253	-0.118	0.240	-0.172	0.042
Significance	0.757	0.285	0.398	0.647	0.826	0.311	0.708	0.131	0.486	0.152	0.307	0.780
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	-0.276	0.021	-0.290	-0.001	-0.114	0.080	-0.179	0.110	-0.117	0.021	0.174	0.310
Significance	0.098	0.902	0.082	0.995	0.503	0.637	0.288	0.518	0.492	0.901	0.304	0.062
Number	37	37	37	37	37	37	37	37	37	37	37	37
Pearson'	-0.575**	-0.343*	-0.434**	-0.126	-0.419**	-0.185	-0.323	-0.308	-0.298	-0.293	-0.163	-0.226
Significance	0.000	0.037	0.007	0.457	0.010	0.227	0.052	0.064	0.074	0.078	0.336	0.179
Number	37	37	37	37	37	37	37	37	37	37	37	37

* : $p < 0.05$, ** : $p < 0.01$

CL (r = -0.336) p<0.05 K-CBCL (r = -0.325) Cronbach's alpha BPI-S 0.74
 K-CBCL (r = -0.482) p<0.01 K-CBCL (r = -0.423) p<0.01 ADHD 가 가
 ADHD 가 ADHD 가 ADHD 가 ADHD 가
 ADHD (r = -0.575, p<0.01), ADHD K-CBCL 가 가
 (r = -0.434, p<0.01) (r = -0.343, p<0.05), 가 가
 (r = -0.419, p<0.01) 가 가
 ADHD 가 BPI 가
 BPI 가 , BPI

논 의

8 가 K-CBCL 가 BPI BPI-S BPI-PC BPI-S
 8 BPI 가 BPI
 11)13) BPI가 , BPI
 가 BPI 가
 BPI-S

References

BPI-PC 가 BPI-S 가 BPI-S
 4 7
 BPI-PC Cronbach's BPI-S
 alpha 0.83~0.85

- 1) Foster SH(1990) : The communicative competence of young children. London : Long man
- 2) Byrne BM(1996) : Measuring self-concept across the life span : Issues and instrumentation. Washington, DC : American Psychological Association
- 3) Harter S, Pike R(1984) : The pictorial scale of perceived competence and social acceptance for young children. Child Devel 55 : 1969-1082
- 4) Wylie RC(1989) : Measures of self-concept. Lincoln, University of Nebraska Press
- 5) Fantazzo JW, McDermott PA, Holliday MP, Hampton

- VR, Alvarez Burrdick N**(1996) : The Pictorial Scale of Perceived Competence and Social Acceptance : Does it work with low-income urban children? *Child Devel* 61 : 1071-1084
- 6) **Irwin EC**(1985) : Puppets in therapy : An assessment procedure. *Am J Psychotherapy* 39 : 389-399
- 7) **Eeekes J, Wigfield A, Harold RD, Blumfeld P** (1993) : Age and gender differences in children's self- and task perceptions during elementary school. *Child Devel* 64 : 830-847
- 8) **Ladd GW**(1990) : Having friends, keeping friends, making freinds and being liked by peers in the classroom : Predictors of children's early school adjustment? *Child Devel* 61 : 1081-1100
- 9) **Ladd GW**(1996) : Shifting ecologies during the 5 to 7 year period : Predicting children's adjustment during the transition to grade school. Chicago University of Chicago Press
- 10) **Mize J, Ladd GW**(1988) : Predicting preschoolers' peer behavior and status from their interpersonal strategies : A comparison of verbal and enactive responses to hypothetical social dilemmas. *Devel Psychology* 24 : 782-788
- 11) **Jeffrey RM, Jennifer CA, Philip AC, Carolyn PC** (1998) : Assessing Young Children's Views of Their Academic, Social, and Emotional Lives : An Evaluation of the Self-Perception Scales of the Berkeley Puppet Interviews, *Child Devel* 69 : 1556-1576
- 12) **Ablow JC, Measelle JR**(1993) : The Berkeley Puppet Interview, *Interviewing & Coding System Manuals*. University of Oregon
- 13) **Ablow JC, Measelle JR, Kraemer HC**(1999) : The MacArthur Three-city outcome study : evaluating multi-informant measures of young children's symptomatology. *J Ame Aca child and adolescent Psychiatry* 38(12) : 1580-1590
- 14) 서봉연, 정보인, 최옥순(1985) : 한국판 PTI 실시 요강. 중앙적성 출판사, 서울
- 15) 오경자, 이해련, 홍강의, 하은혜(1997) : 아동 청소년 행동평가 척도. 중앙적성 출판사, 서울

**A PILOT STUDY FOR STANDARDIZATION OF BERKELEY
PUPPET INTERVIEW – SYMPTOMATOLOGY &
PARENT-CHILD RELATIONSHIP SCALE**

**Soo Kyoung Kim, M.A., Min Sup Shin, Ph.D., Jung Woo Son, M.D.,
Soo Churl Cho, M.D., Boong Nyun Kim, M.D.**

Department of Child & Adolescents Psychiatry, Seoul National University, Children's Hospital, Seoul

Objectives : BPI was developed for assessing young children's perceptions. Using an interactive techniques for interviewing children, the BPI blends structured and clinical interviewing technique. Present study was to evaluate the reliability, validity and the clinical utility of Berkeley Puppet Interview (BPI) for young children aged 4 to 7.

Methods : Subjects consisted of 37 children (boy 20, girl 17) between the age of 4 and 7 who visited the child-psychiatry outpatient division of children's hospital in Seoul and Chungju. The measures used in this study BPI-S (symptomatology) and BPI-PC (parent-child relationship). BPI was translated into Korean by three clinical psychologists. To examine the reliability, Cronbach's alpha were calculated and to examine the validity, correlation coefficients were calculated on BPI-S & K-CBCL.

Results : BPI-PC's Cronbach's alpha was 0.86 and BPI-S's Cronbach's alpha was 0.74. Correlation between the internalizing scale of BPI-S and that of K-CBCL was 0.477 and correlation between the internalizing scale of BPI-S and the externalizing scale of K-CBCL was -0.431, suggesting the validity of BPI-S.

Conclusion : These results show that BPI-S & BPI-PC may be useful tool for young children's diagnostic interview.

KEY WORDS : Interview · Puppet · Symptomatology · Parent-child relationship.