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가 가 (, 1998 ; , 1993 ;
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2. 3) 가 : , (Orem, 1985). 가 : (1984) Patrick (1981) LDSQ-3(Lambeth Disability Screening Questionnaire-3) (1995) 가 가 4 1) 2) 가 가 3) 가 4) 29 가 가 가 5) 가 가 가 가 6) 가

3. 1. 1) (1986) 가 , (1968) 가 가 , 가 (1972) Erickson(, 1998) 가 가 (, 1986). Blum (, 1998) 가 가 (, 1968). (1986) : Fitts(1965) "Tennessee Self Concept Scale" (1968) , " " (1984) , 4 50 , 가 , Magil Hurbut (, 1992) 22 22

Harvey Greenway(, 1993)

2. 가

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 (Kearney Fleischer, 1979; , 1998). McCaleb Edgil(1994) 15 16
 160 가 가 1.
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2) 가
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 Patrick (1983) LDSQ-3
 (Lambeth Disability Screening Questionnaire-3)
 (1995)
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 160 ,
 1) 13 24 가 , ,
 2) 8 가 , , , , 가
 3) 가 가
 4) 가 LDSQ-3
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 5) 2 29
 4 Likert , ' 4
 , ' 3 , ' 2 , ' ,
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 1) 116 .
 Fitts(1965) Tennesse Self-Concept Scale Chronbach's =
 (1968) .
 (1984) .
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 7 20 . 2000 5 20
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 50 Likert 4 ,
 ' 4 , ' 3 , ' (5
 ' 2 , ' 1 가)
 50 200 . 1
 3 (5)
 (1984) Cronbach's = .88 ,
 . .
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 Cronbach's = .86 .

200
40 160

5. SPSS/PC+

1) 가
2) 가
3) t-test
ANOVA, (Scheffe)
4) 가
t-test ANOVA, (Scheffe)
5) 가
Pearson's Correlation Coefficient

6.

1.

13 24 19
41.3% (66) 가 , 66.3%
(106), 33.7% (54) 가
가 41.3% (66) 가
51.3% (82), 34.4% (55),
14.4% (23) . 53.8%
(86) 가 , 가
가 75.0% (120)
31.9% (51) 가

가 55.0% (88) ,
가 63.6% (56)

가 88.1% (141) ,
가 66.2% (106)

가 62.6% (66) 가
< 1>.

< 1>		(N = 160)			
		13	-15	39	24.4
		16	-18	56	34.3
		19	-24	66	41.3
				106	66.3
				54	33.7
				42	26.3
				66	41.3
				39	24.4
				12	7.5
				1	0.6
				23	14.4
				55	34.4
				82	51.3
				86	53.8
				40	25.0
				34	21.3
	가			120	75.0
				40	25.0
	가			35	87.5
	*	가		5	12.5
		(spastic diplegia)		49	30.6
		(spastic hemiplegia)		35	21.9
				13	8.1
		(spastic quadriplegia)			
		(athetosis)		51	31.9
		(ataxia)		9	5.6
		(mixed)		3	1.9
				88	55.0
				72	45.0
				56	63.6
				27	30.7
				3	3.4
				2	2.3
				141	88.1
				19	11.9
				106	66.2
				54	33.8
				66	62.2
		*		22	21.0
			1	13	12.1
			2	5	4.7

*

2. 138.55±17.20(50 , 200), 2.77±0.34(1 , 4) . 2.52±0.42, 2.82±0.49, 2.73±0.46, 가 3.01±0.54, 2.71±0.46 가 가 , 가 < 2>.

< 2>		(N= 160)	
()	±	±	
(10)	25.20± 4.21	2.52±0.42	
(10)	28.26± 4.95	2.82±0.49	
(10)	27.37± 4.64	2.73±0.46	
가 (10)	30.19± 5.40	3.01±0.54	
(10)	27.51± 4.63	2.71±0.46	
	138.55±17.20	2.77±0.34	

3. 가 가 95.25±21.69 (29 , 116), 3.28±0.75(1 , 4) . 가 3.75±0.59, 3.38±0.89, 3.53±0.93, 3.43±0.82, 2.64±1.21 , 3.62±0.68, 2.75±0.99, 가 3.55±0.76 가 가 , 가 < 3>.

4. (F=3.24, P= .04), (F=4.36, P= .01), (F=2.42, P= .03) , , , 가 , , , , .

< 3>		가 (N= 160)	
()	±	±	
(2)	7.51± 1.18	3.75±0.59	
(3)	10.15± 2.67	3.38±0.89	
(4)	14.13± 3.73	3.53±0.93	
(3)	10.31± 2.42	3.43±0.80	
(2)	5.29± 2.43	2.64±1.21	
(2)	7.25± 1.37	3.62±0.68	
(7)	19.25± 6.95	2.75±0.99	
가 (6)	21.33± 4.56	3.55±0.76	
가	95.25±21.69	3.28±0.75	

13 -15 (144.25±15.49) 19 -24 (135.57 ±16.19) 가 , (147.86±14.68) (136.55±17.57) 가 . < 4>.

5. 가 가 (F=8.29, P= .00), (F=16.05, P= .00), (F=6.46, P= .00), (F=48.92, P= .00), (t=-3.64, P= .00), (t=2.14, P= .03), (t=-7.42, P= .00) . 16 -18 (99.70±19.37) 13 -15 (83.51 ±22.30) , 19 -24 (98.46±20.95) 13 -15 (83.51±22.30) 가 가 . (93.54±21.49) (75.56 ±19.89) , (101.91±18.75) (75.56±19.89) 가 . (106.60±9.98) (90.73±21.99) 가 가 , (94.51±13.15), (113.20±4.91), (95.37±17.91), (106.5±4.95), (79.33±27.15) (45.07±13.19)

< 4 >

(N = 160)

				±	t or F	p	Scheffe	
	13	-15	a	39	144.25 ± 15.49			
	16	-18	b	55	138.09 ± 18.77	3.24	.04*	a>c
	19	-24	c	66	135.57 ± 16.19			
				106	138.76 ± 16.83	.21	.83	
				54	138.14 ± 18.05			
				42	138.59 ± 15.93			
				66	138.12 ± 18.38	.32	.85	
				39	138.46 ± 17.78			
				12	142.33 ± 14.29			
				1	124.00			
			a	23	147.86 ± 14.68			
			b	55	138.25 ± 16.55	4.36	.01*	a>c
			c	82	136.14 ± 17.57			
	가			86	138.91 ± 14.86			
				40	138.05 ± 21.37	0.04	.95	
				34	138.23 ± 17.76			
가				120	138.72 ± 15.66			
				40	138.05 ± 21.37	-0.21	.83	
				49	143.69 ± 16.33			
				35	140.25 ± 19.90			
				13	131.76 ± 21.15	2.42	.03*	
				51	136.00 ± 14.46			
				9	134.11 ± 12.35			
				3	121.00 ± 11.78			
				88	138.32 ± 16.87			
				72	138.83 ± 17.70	-0.18	.85	
				141	139.01 ± 17.00			
				19	135.15 ± 18.75	-0.91	.36	
				106	139.03 ± 16.37			
				54	137.61 ± 18.84	0.49	.62	

* P < .05

가 (113.20 ± 4.91), 가 (95.37 ± 17.91), , (94.51 ± 13.15), (79.33 ± 27.15), < 5 >, 가, 가

< 5 >

가

(N = 160)

				가				
				±	t or F	P	Scheffe	
	13	-15	a	39	83.51 ± 22.30			
	16	-18	b	55	99.70 ± 19.37	8.29	.00***	b>a, c>a
	19	-24	c	66	98.46 ± 20.95			
				106	95.83 ± 21.26	.47	.63	
				54	94.11 ± 22.69			
				42	94.88 ± 22.37			
				66	91.69 ± 22.66			
				39	98.20 ± 21.45	1.38	.24	
				12	105.75 ± 8.92			
				1	104.00			
			a	23	75.56 ± 19.89			
			b	55	93.54 ± 21.49	16.05	.00***	b>a, c>a
			c	82	101.91 ± 18.75			

< 5>		가		< >		(N = 160)	
				가			
				±	t or F	P	Scheffe
	a	86	90.73 ± 21.99				
	가 b	40	95.82 ± 25.19		6.46	.00**	c>a
	c	34	106.00 ± 9.98				
가		120	95.82 ± 25.19		.19	.84	
		40	95.05 ± 20.51				
	a	49	94.51 ± 13.15				
	b	35	113.20 ± 4.91				a>c, b>c, d>c, e>c, f>c,
	c	13	45.07 ± 13.19				b>a, b>d, b>f
	d	51	95.37 ± 17.91		48.92	.00***	
	e	9	106.55 ± 4.95				
	f	3	79.33 ± 27.15				
		88	89.79 ± 21.42		-3.64	.00***	
		72	101.91 ± 20.24				
		141	93.91 ± 22.47		2.14	.03*	
		19	105.15 ± 10.55				
		106	87.39 ± 22.52		-7.42	.00***	
		54	110.66 ± 6.49				

* P< .05, ** P< .01, *** P< .001

6. 가 13 20
 2.88 3.03
 가
 가 (r = (1985) 2.93
 .081, P = .311) < 6>

< 6>		가		(N = 160)	
		가	P		
		r = .081	.311	Shakespeare(1975)	

. A. Aldler(, 1990)
 가 , 가
 (, 1883)
 가
 (, 1986; , 1987;
 17.20(2.77 ± 0.34) , 1992)
 (1996) 가 가 , 가
 2.74
 (1991) 2.89 (1996) . 가 가
 2.93 가
 (1968) (1992)

가 , 2.64 ± 1.21 가

3. (F=3.24, P= .04), (F=4.36, P= .01), (F=2.42, P= .03)

가 13 -15 19 -24 가

가 4. 가 (F=8.29, P= .00), (F=16.05, P= .00), (F=6.46, P= .00), (F=48.92, P= .00), (t=-3.64, P= .00), (t=2.14, P= .03), (t=-7.42, P= .00)

가 16 -18 13 -15 19 -24 가

가 13 -15 가

가 가 가 가

가 가 가

5. 가 (r= .081, P= .311).

1. 138.55 ± 17.20(: 50-200), 2.77 ± 0.34(: 1-4) 가 가 3.01 ± 0.54 가 , 2.52 ± 0.42 가 . 가 가

2. 가 95.25 ± 21.69 (: 29-116), 3.28 ± 0.75(: 1-4) 가 3.75 ± 0.59

29 50 , 가 SPSS t-test, ANOVA, Scheff's test, Pearson's Correlation Coefficient

3 2 200 40 160 7 20 10 89 .

가

가
가

1)

가

2)

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가

4)

(1984). 가

, , , , , , , , (1998).

가 _____

, 28(4), 1013-1026.

(1986). _____

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(1996). _____

(1986). D.W. Felker. _____

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(1984). 가 _____

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(1996). _____

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(1987). 가 _____

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(1991). _____

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16(2), 63-69.

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(1998). 가 _____

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, , , , (1995).

Modified Barthel Index Modified Lambeth

Disability Screening Questionnaire

가. _____, 19(3), 559-571.

, , (1998).

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(1998). _____, 19, 115-129.
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(1989). _____, 28(5), 13-17.

(1995). _____
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(1983). _____

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(1972). _____
29, 106-107.

(1997). _____

(1968). _____ : _____

(1993). _____

(1992). _____
가 _____

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(1988). _____
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(1999). _____ ().

Erickson. E. (1968). Identity, Youth and Crisis.
New York: Norton.

Fitts, W. H. (1965). Tennessee self-concept
scale manual. Nashville, Tenn. Counselor
Recordings and Tests.

Kempen, G. I., & Suurmeijer, T. P (1990). The
development of a hierarchial polychotomous
ADL-IADL scale for noninstitutionalized
elders. Gerontologist, 30(4), 497-502.

Kearney, B. Y., & Fleischer, B. J. (1979). The
development of an Instrument to measure
exercise of self-care agency. Research in
Nursing and Health, 2(1), 25-34.

McCaleb, A., & Edgil, A. (1994). Self-concept
and self-care practices of healthy adolescents.
Journal of Pediatric Nursing, 9(4). 233-228.

Meleis, A. I. (1985). Theoretical Nursing-
developmental and progress, Philadelphia:
J.B. Lipincott company.

Michael, F., Robert, L. K., & Ian, P. (1995).
Developing a new metric for ADLs. J Am
Ger Soc, 43, 877-884.

Mosher, R. B., & Moore, J. B. (1997). The
relationship of self-concept and self-care in
children with cancer. Nursing Science Q,
11(3), 116-122.

Orem, D. E (1985). Nursing : Concepts of
Practice(3rd ed)., N.Y., McGraw- Hill.

Patrick, D. L., Darby, S. C., Green, S., Horton,
G., Locker, D., Wiggins, R. D. (1981).
Screening for disability in the inner city. J
Epidemiol Community Health, 35(1), 65-70.

Shakespeare. R. (1975). The Psychology of
Handicap. Methuen & Co., Ltd. 141-142.

Stuart, G. W., & Sundeen, S. J. (1983).
Principle and practice for Psychiatric
Nursing. St. Louis : Mosby.

Ulla Sonn (1996). Longitudinal studies of

dependence in daily life activities among elderly person. Scand J Rehabil Med Suppl, 34, 1-35.

- Abstract -

Key concept : Cerebral palsied adolescent,
Self-concept, Self-care activities

The Relationship Between Self-Concept and Self-Care Activities of the Cerebral Palsied Adolescents

*Hong, Hee Sook *• Lee, Myung Hwa ***

The purpose of this study was to investigate the relationship between self-concept and self-care activities of the cerebral palsied adolescents and to gain the baseline data for development of effective rehabilitation nursing intervention program of the cerebral palsied adolescents. The design of this study was a descriptive correlational study.

The subjects of the study were 160 cerebral palsied adolescents attending at special schools located in Seoul and Kyonggi and rehabilitation centers located in Seoul, Kyonggi and Kyongnam province. The data was collected from May 20 to July 20, 2000.

The instrument used for this study were the self-concept scale(50items 4point scale) and self-care activities scale(29items 4point scale). Self-Concept Scale had developed by Fitt(1965), which was standardized by Chung(1968) and modified by Kim(1984). Self-Care Activities Scale developed by the researcher throughout the consulting of expert and pilot study on the basis of ADL check list developed by Kang(1984)

and LDSQ-3(Lambeth Disability Screening Questionnaire-3) developed by Na et al. (1995).

The data was analyzed by the SPSS/PC+ program using frequency, percentage, mean, standard deviation, t-test, ANOVA & Scheffe test and Pearson's correlation coefficient.

The results of this study were as follows;

1. The mean score of self-concept was 138.55 ± 17.20 (range: 50-100), which the item mean score was 2.77 ± 0.34 (range:1-4).
The score of subarea of the self-concept was the highest score in family self (3.01 ± 0.54) and the lowest score in physical self (2.52 ± 0.42).
2. The mean score of self-care activities was 95.25 ± 21.69 (range:29-116), which the item mean score was 3.28 ± 0.75 (range:1-4).
The score of subarea of the self-care activities was the highest score in feeding(3.75 ± 0.59) and the lowest score in walking(2.64 ± 1.21).
3. There were statistically significant difference in the score of self-concept according to the age ($F=3.24$, $P= .04$), the grads($F=4.36$, $P= .01$), and types of cerebral palsy ($F=2.42$, $P= .03$).
4. There were statistically significant difference in the score of self-care activities according to the age($F=8.29$, $P= .00$), the grads ($F=16.05$, $P= .00$), types of living place ($F=6.46$, $P= .00$), types of cerebral palsy($F=48.92$, $P= .00$), whether or not receiving a rehabilitation therapy ($t=-3.64$, $P= .00$), whether or not receiving a vocational training ($t=2.14$, $P= .03$), and whether or not using a device ($t=-7.42$, $P= .00$).
5. There was not significant correlation between self-concept and self-care activities($r= .081$, $P= .311$).

* Staff Nurse, Hong Ik Rehabilitation Center

** Professor, Department of nursing ,College of Medicine,
Kosin University