

2 5 :

(\* , \*\* )

. 『 』, 2002, 7 ,  
 2 , 294-304. 2 24 2 5 50  
 가 , 가  
 2  
 93.18 % , 4 95.83 %  
 /ㄴ/, /ㄹ/, /ㄺ/, /ㄻ/, /ㄼ/, /ㄽ/  
 2 4  
 , 5  
 2 , 3 가 4 5  
 4 5  
 , 4 , 5 2 3  
 5 3 4  
 3

: , , , ,

가 , ( , 1996),  
 (

, 2000; , 1994; , 1996).

, 2 6  
 (1996)

2 - 4

가 5 - 6

. /ㄴ/, /ㅇ/ 2 - 3 , /ㄹ/  
가

3

, (John & Nicholalas, 1990; Nancy, Parely & Wayne, 1989; Powell & Elbert, 1994; Smit, Hand & Freilinger, 1990)

(1994) 2

. /ㄹ/ 가

. 1 4 3 11 10

(1994)

. , 2 (/ㄹ/, /ㄴ/, /ㅇ/)  
/ㅇ/) /ㄹ/, /ㄴ/ 2

. 3

가

(2000)

가

( , 2000; , 1996; , 1994; , 1994)

가

가

가

가

2 5

50

(/ㄹ/, /ㄴ/, /ㅇ/, /ㅂ/, /ㄱ/, /ㄹ/)

가

=====

가

1.

가 58 ,  
 49 9 가  
 , ,  
 가 ( , 1996) ( , 1995)  
 ( , 1995)

가 58 3 가 , 5 가  
 -2SD 50

< - 1 >

2 - 2 11	5	6	11
3 - 3 11	6	6	12
4 - 4 11	7	7	14
5 - 5 11	6	7	13
	24	26	50

2.

가.

2000; , 1997; , 1994; , 1994; 2 ( , , 1999)

(“ (+) ” ) (“ (-) ” )

/ㄷ/

( , 2000),

6 VCCV, CVVC, CVCCV, CVCVC, CVCCVC < - 2>

< - 2>

		/ㄱ/	/ㅋ/	/ㄴ/	/ㅇ/	/ㄷ/	/ㄹ/
	(-)						
	(+)						
	(-)				가		
	(+)						

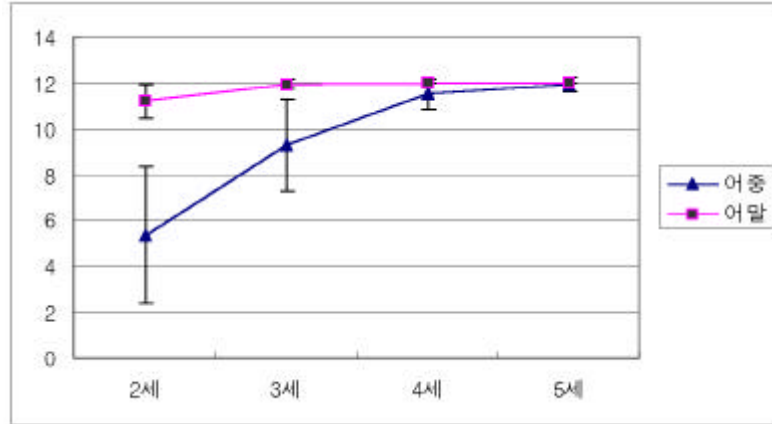
=====

. 가  
 , , (+), (-)  
 가 . , , 16  
 . 4 ,  
 가 가 가 .4 가  
 가 . 1 ,  
 0 . 가 가 96.92 %  
 .

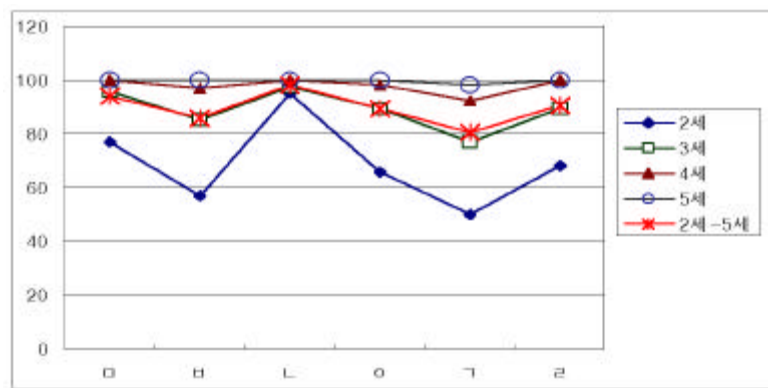
SPSS (version 10.0)

가 (+)  
 (-) 가 paired t - test .  
 one-  
 way ANOVA , Scheffé .

< - 1> ,  
 < - 3> . , 2  
 5.36 ( : 44.70 %) , 3 9.25 ( : 77.08 %) 가  
 . 가 . 4 5  
 가 11.5 ( : 95.83 %), 11.92 ( : 99.36 %)  
 , 가 . , 2 가 11.18 ( :  
 93.18 %)  
 (/ □/, / △/, / ○/, / ▽/, / ♣/, / ♠/)  
 < - 2>  
 / △/ → / □/ → / ♠/ → / ○/ → / ▽/ → / ♣/  
 / △/ 가 / ♣/ 가 .



< - 1 >



< - 2 > (%)

가  
 (< - 3 >). 2 , 3 , 4  
 가 , 가  
 . 5 가  
 2 , 3 , 4 , 5  
 가 .

< - 3>

( )

	±	±	df	t
2:0 - 2:11	5.36 ± 2.98 (44.70 ± 24.80)	11.18 ± 0.75 (93.18 ± 6.26)	10	-6.500**
3:0 - 3:11	9.25 ± 2.01 (77.08 ± 16.71)	11.92 ± 0.20 (99.31 ± 2.41)	11	-4.584**
4:0 - 4:11	11.5 ± 0.65 (95.83 ± 5.42)	12.00 ± 0.00 (100 ± 0.00)	13	-2.876*
5:0 - 5:11	11.92 ± 0.28 (99.36 ± 2.31)	12.00 ± 0.00 (100 ± 0.00)	12	-1.000

\*p < .05, \*\*p < .01

가 (< - 4>). (F<sub>(3,46)</sub> = 35.12, p < .05). , 2 3 , 4 , 5 , 3 2 , 4 , 5 , 4 2 , 3 , 5 2 , 3 , 2 , 3 4 5 4 5 , 2 3 2 , 4 2 , 5 2 , 2 , 3 4 5

< - 4>

(Mean difference)

	2:0 - 2:11	3:0 - 3:11	4:0 - 4:11	5:0 - 5:11
2:0 - 2:11	-			
3:0 - 3:11	3.8864**	-		
4:0 - 4:11	6.1364**	2.2500*	-	
5:0 - 5:11	6.5594**	2.6731*	0.4231	-
2:0 - 2:11	-			
3:0 - 3:11	0.6439**	-		
4:0 - 4:11	0.7273**	8.333	-	
5:0 - 5:11	0.7273**	8.333	0.000	-

\*p < .05, \*\*p < .001

(-), (+), (-), (< - 5>), 3, 2, (+) 2, 3, < - 5> ( )

	(-)	(+)	df	t	(-)	(+)	df	t
2:0 - 2:11	2.73 ± 1.68 (45.45 ± 27.98)	2.64 ± 1.36 (43.94 ± 22.70)	10	0.430	5.46 ± 0.52 (90.91 ± 8.70)	5.72 ± 0.47 (95.5 ± 7.78)	10	-2.39*
3:0 - 3:11	5.00 ± 0.85 (83.33 ± 14.91)	4.25 ± 1.36 (70.83 ± 22.61)	11	2.462*	5.92 ± 0.29 (98.61 ± 4.81)	6.00 ± 0.00 (100 ± 0.00)	11	-1.00
4:0 - 4:11	5.86 (0.36) (97.62 ± 6.05)	5.64 (0.63) (94.05 ± 10.56)	13	1.00	6.00 (0.00) (100 ± 0.00)	6.00 (0.00) (100 ± 0.00)	13	
5:0 - 5:11	6.00 (0.00) (100 ± 0.00)	5.92 (0.28) (98.72 ± 4.62)	12	1.00	6.00 (0.00) (100 ± 0.00)	6.00 (0.00) (100 ± 0.00)	12	

\*p < .05

가, 가, 2, 3, 4, 5, 가, 2, 4, 5

2



=====

3 가 , 4 5  
 , 3 4 5 2 93.18 %  
 , 2 44.70 % 3 77.08 %  
 95.83 % 가 4 2 , 4  
 ( , 1996) 2 7 3  
 2 7 3  
 2 3  
 (+) 가 (-)  
 (+)  
 3 (+)  
 , 2  
 4 ,  
 -  
 3  
 가  
 2 (-) (+)  
 ‘ ’ ‘ ’ , ‘ ’ , 2 50 %가  
 2

CVCCVC

가 , 가 .

가 /ㄱ/ 6 가 /ㄴ/ → /ㄹ/ → /ㄷ/ → /ㄱ/ → /ㅂ/ →  
 /ㄱ/ , ( ,  
 1996) /ㄴ/ /ㄹ/  
 ( , 1995)

가 . ,  
 가 ‘ ’ ; ‘ ’ ; ‘ ’  
 (/ㄱ/, /ㄷ/, /ㅍ/) /ㅇ/  
 ‘ ’ ‘ ( )- ( )’  
 2

4 가  
 가  
 가 ,

(1997). 『 - 』, 2, 155- 165.  
 (2000). :  
 『 』, 7(2), 7- 17.  
 (1995). 『 :  
 (1996). 『 - 』, 1, 7-33.  
 (1994). (1): 1;4- 3;11 ( ). 『  
 :  
 (1995). : ( ). 『

(1996). 『  
(1994). 3, 4, 5 ( ). 『  
(1999). 2-7 / ㄴ/ / ㄹ/ 『  
Smit, A. B., Hand, L. & Freilinger, J. J. (1990). The Iowa articulation norms projects and its Nebraska replication. *Journal of Speech and Hearing Disorders*, 55, 779-798.  
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John, E. B. & Nicholalas, W. B. (1990). *Articulation and phonological disorders*. Boston: Allyn & Bacon.  
Powell, T. W & Elbert, W. (1984). Generalization following the remediation of early- and later- developing consonant clusters. *Journal of Speech and Hearing Disorders*, 49, 211-218.

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▶ : 2002 5 29  
▶ : 2002 7 16  
▶ ( 1 ):  
▶ ( ):

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