

=====
.
=====

(.)

. 『 가 』, 1999, 4 . 220-233.
(DAS) 가 , ‘ ,
가 .
K 가 . ,
가 가 / ,
가 ,
DAS .

가 가 .
가 ,
가
(developmental apraxia of
speech: DAS developmental verbal dyspraxia: DVD)
(muscles of speech) . , 가
가
‘ _ _ ’
(, ,)

(DAS)
30 , Rosenbek and Wertz (1972) Yoss and Darley (1974)

. ‘ ’ , Morley (1965)가
 12 (4 - 10) ‘ ’
 . DAS Guyette and Diedrich (1981)
 , DAS “
 ‘DAS’ ” .
 DAS , DAS
 (Crary, 1984)
 , (McNeil & Kent, 1990),
 (Deputy, 1984), (Hall, Jordan &
 Robin, 1993) .

1.

DAS
 , (incidence) 3:1(Hall et al., 1993)
 9:1(Crary, 1984) , (prevalence) ,
 0.1 - 0.2 % (Shriberg et al., 1997) 1 % (Yoss, 1975) 1.3 % (Morley, 1965)
 . DAS , DAS
 , 가
 (Aram & Nation, 1982). , (word finding)
 , ‘ ’ -
 가 .

2.

가. (within session & between sessions)

. (sequencing difficulties)
 . (multisyllabic word) 가 가 가 가
 . (deviant)
 . (: groping,
 silent posturing)
 .
 . (e.g., anticipations, perseverations)가
 . (, / /)
 . (prosodic stress pattern)
 . (nasality) (nasal emission)
 .
 . , DAS 가
 (speech motor programming disorders) 가 .
 DAS 가 .
 Horwitz (1984) EEG, CT scan, amino acid chromatograph , DAS
 .
 . , DAS
 (Panagos & Bobkoff, 1984)
 (Crary et al., 1984) .
 DAS (phonological process) (planning process)
 (motor-
 speech/programming process) .

가

Hall, Jordan, and Robin (1993) DAS 가

가, , , (nonphonemic) , (voicing), ,
(sequencing difficulty), (metathesis),
, , (severity), (type), (nasality), (nasal emission),
(; groping/silent posturing of articulators), ,
, , , (oral motor skill; DDK) .

Haynes (1985)가

1. .
 2. (CV, VC, CVC)
 3. , (word-pairs), .
 4. (self monitoring) .
 5. (oro-sensory perceptual awareness)
 6. .
 7. DAS (core vocabulary) 가 .
 8. (augmentative communication strategies)
- . < - 1> DAS .

1.

K 8 3 3 .
가 (12)가 - 가 .
(cooing) 3-4 ,

(babbling) 12 . 3

, “ ”
. 3

. 1

2. .

가. .

. 가 99 3 22, 24 . 가
() ()
) , 가 TOLD-I(Test of Language Development-
Intermediate; Newcomer & Hammill, 1977), K-BNT (Korean-Boston Naming Test;
, 1997),

31 % ile

12

(,), (,), ,
/ ㄹ/ (,), / ㄹ/ .

Oral Speech Mechanism Screening Examination-Revised (OSMSE-R; Louis &
Ruscello, 1981; , 1994) K-WAB(Korean version-Western Aphasia Battery)
() K , ,

(diadochokinetic rate) 3
 ‘ ’, ‘ ’, ‘ ’ AMR(Alternate Motion Rate) ‘ ’
 SMR(Sequential Motion Rate) , 5 ‘ ’ 16 , ‘ ’ 18 , ‘ ’
 14 , ‘ ’ 6.7
 , “ , , , ,
 ...” . ‘ ’

가 ,
 가 (Stackhouse & Snowling, 1992).
 가 , K (33.3 %) (66.6 %)

K 3 가가 2 4
 가
 (systematic hierarchy) 158 , 2
 . 1 29 , 2 68 , 3 49 , 4 12
 , , 가, (transposition)
 (< - 1>). < - 2> ,
 , 가,
 K가 , , 가 가 가 ,

, 가 . 가
 가 .
 R/O DAS 가
 , 2 .

< - 1 >

	가	가	가	가
	,		,	

< - 2 >

		가*	가*	가	가
		(%)	(%)	(%)	(%)
	,	28 (48)	32 (47)	26 (44)	18 (37)
		26 (44)	22 (32)	22 (37)	23 (47)
가		4 (6)	12 (17)	9 (15)	5 (10)
		0 (0)	1 (1.4)	0 (0)	1 (2)
		0 (0)	0 (0)	2 (3)	1 (2)
		58 (100)	67 (100)	59 (100)	48 (100)

* : 가 가

4.

K 4 1 2 , 45 .
 ,
 , 가가 ‘ - ’
 . (minimal pair)
 .
 가 .
 . K 가
 가 가 ,
 2
 가 .
 , ‘ ’ ‘ ’ ‘ ’ ‘ ’
 . 가
 . /
 . 가 < -
 2> .

5.

가
 가 가
 .
 . < - 3> ,
 가 가 63 51 .
 1, 2 ,
 . ‘ ’, ‘ ’, ‘ ’가 5 16, 18, 14
 21, 22, 23 가 . ‘ ’ 6.7
 7

		1 가*	2 가*	1 가	2 가
		(%)	(%)	(%)	(%)
		28(48%)	32(47%)	29(51%)	27(57%)
		26(44%)	22(32%)	18(32%)	17(38%)
가		4(6%)	12(17%)	5(9%)	2(5%)
		0(0%)	1(1.4%)	0(0%)	0(0%)
		0(0%)	0(0%)	0(0%)	1(2%)
		58(100%)	67(100%)	56(100%)	47(100%)
		63(100%)		51(100%)	

* 1 2 가

가 가

(neurogenic speech disorders)

가

가

가가 "DAS"

가

가

가

K

, DAS

가

. DAS

- (1994). 『 . . . 』. :
- . (1997). 『 . . . 』. :
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Daly et al. (1972)	· WGT A (Wisconsin General Test Apparatus)
Rosenbek & Wertz (1972)	· McDonald "sensory-motor approach"
Chappell (1973)	· behavioral differentiation · · combination & blending skill ·
Yoss & Darley (1974)	· mirror work, & · · stress · CVC · , self-monitoring, carrier phrases
Rosenbek et al. (1974)	· · movement sequences · · · , , stress,
Macaluso-Haynes (1978)	· drill , / · · · , self-monitoring, , carrier phrases · drill · orosensory perceptual awareness
Rosenbek (1974)	· total communication, MIT, motokinesthetic approach, contrastive stress drill, pacing method
Blakeley (1983)	· 가 · 가 · 가 · 가 (continuity) · 가 · 가
Klick (1985)	· ACT (Adopted Cuing Technique) · oral stimuli , 가 · deaf 가 manual alphabet
Shelton & Graves (1985)	· STP (Signed Target Phoneme) hand shape

1)	‘ㅌ’ 90%	mirror work oro-motor exercise	, , , , , , ,	(speech intelligi- bility) ‘ㅌ’ 가
2)	‘ㅍ’ 90%	1 s minimal-pair	- , - - , - -	90% home program
		‘ㅍ’ 2	, 가, , , , , , , , , , , , ,	90% home program
1)	‘ㅍ’ 2 self-monitoring 가	100 가 가	, 가, , , , , , , , , , , , , ,	estimate feedback 가 self-monitoring 가
2)	가 90%	1 3 quenc-ing training se	- - - - - - 가 - - - - - -	가 sequencing difficulty가 home program
1)	‘ㅇ’ ‘ㄴ’ auditory discrimination 90%	‘ㅇ’ ‘ㄴ’ 가가	- , - , - , -	‘ㅇ’ ‘ㅇ’ ‘ㄴ’
2)	‘ㅇ’ ‘ㄴ’ 90%가	‘ㅇ’ ‘ㄴ’ 가	: , , , , , , , : , , , , ,	‘ㅇ’ ‘ㅇ’ ‘ㄴ’ ‘ㄴ’ ‘ㅇ’ ‘ㅇ’ shaping

ABSTRACT

Developmental Apraxia of Speech

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The present study was undertaken (1) to investigate the definitions, characteristics, evaluation and treatment of developmental apraxia of speech (DAS) through literature review, and (2) to report a case study of evaluation and treatment of a child who was assumed to have DAS. The case study verified the following core characteristics of DAS shown in the current literature: (1) inconsistency of error patterns within and between sessions, (2) sequencing difficulties when producing multisyllabic words, (3) slow diadochokinetic rates, (4) high frequency of groping/ silent posturing while producing phonemes, and (5) slow treatment progress. Those attributes were different from those of functional articulation or phonological disorders. Therefore, we emphasize the importance of differential diagnosis of DAS from other speech disorders on the basis of aforementioned characteristics.

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