

()

1997, 2, 65-88.

가

- (1) 가 (ㅍ, ㅑ)
- (2) 가 (ㄱ, ㅋ, ㆁ)
- (3) 가 (ㄴ, ㄷ)

I.

(verbal apraxia),

(dysarthria)

가

DSM-IV

(Diagnostic and Statistical Manuals of Mental Disorders IV)

가

가

(1)

(2)

(3)

(Elbert & Gierut, 1986; Hodson & Paden, 1983; Weiner, 1981).

(1)

(Van Riper, 1984; , 1994), (2)

가

(Van Riper, 1984), (3)

(key word)

(4)

(shaping)

가 (Ingram, 1981).
(, 가) 가

(Rockman & Elbert, 1984a; Rockman & Elbert, 1984b; Wolfer, Blocker & Prater, 1988).

80

가 . 가

(Grunwell, 1982; Young, 1983).

Hodson and Paden (1983)

,

(Hodson, 1994). 3-4

,

가

(Montgomery & Bonderman, 1989; Hodson, Chin, Redmond & Simpson, 1983; Tyler, Edward & Saxman, 1987; Weiner, 1981).

(:),

, (),

(), ()

, 가 (),

(: 가) (Bernthal & Bankson, 1981;

Elbert & McReynolds, 1978; Rockman & Elbert, 1984a; Kent, 1982). Griffiths and Craighead

(1972) 가 (extratherapy

generalization) , McReynolds (1981) (linguistic context

generalization) (situational generalization)

(Fey & Stalker, 1986; Olswang & Bain, 1985; Shriberg & Kwiatkowski, 1987). Elbert, Dinnsen, Lander, and Chin (1990)

가

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, 3

.

Bankson and Byrne (1972) Costello and Bosler (1976)

, Olswang and Bain (1985)

.

가

가

(Elbert & Mc- Reynolds, 1978; Gierut, Elbert &

Dinnsen, 1987; McReynolds & Bennett, 1972; Weiner, 1981).

, 가

.

Stokes and Baer (1977) 가

가

가 , Elbert, Powell, and Swartzlander (1991)

59%가 (3)

가 가

.

, ,

.

II.

1.

6 7

, 5

1994)

-

(Preschool Language Scale, (OSMSE , 1994)

2.

(1) , (2) , (3) , (4)

가.

, 43 24 ,
 (< - 1>).
 (, 1996) , 62%
 (1996)
 -3SD . /ㄱ/- (/ /
 ㄱ, ㅋ, ㆁ/), /ㅅ/- (/ㅅ, ㅆ, ㆁ/) , (/ㅎ/)
 . - /ㄹ/가 /ㄹ/, /ㄹ/ /ㄹ/
 , 20%
 (52%), (55%), (22%) .
 가 /ㄱ/, /ㅅ/, /ㅆ/ 3

(), (), ()
) 가
 (< - 1> < - 2>). 가

< - 1> ()

| | - | - | - |
|--|---------|-----------|---------|
| | 너, 배, 표 | 너, 표 | 너 |
| | 디, 띠, 티 | 디, 띠, 티 | |
| | (ㄱ) | (ㄱ) | |
| | ㅎ | ㅎ | |
| | 모, 노, | 모, 노, | 모, 노, 오 |
| | | (큰 / 가) | |
| | | 22% | 2/9 |
| | | 6% | 1/16 |
| | | 22% | 2/9 |
| | | 52% | 13/25 |
| | () | 59% | 7/17 |
| | () | 50% | 4/8 |
| | () | 50% | 4/8 |
| | | 4% | 1/24 |

(: “ 가 ?”) ,

(1983) 1 2 3 , Hodson and Paden . Hodson and Paden

Paden (< - 2 >) . , Hodson and

가 . 가 , 가

(I, II, III) , 4

(/ㄱ/ /ㅅ/ /ㅈ/) , 가 4

III

III /ㅈ/ 3 . /ㄱ/ /ㅅ/

12 , /ㅈ/ 11 , 35 가 .
1 < - 3> (1) 4 , (2) , (3)
가, (4) 가 .

(1) 가 15 , 가 2-3
(:)
< - 2> .

(2) < - 1> .
, (:
) , 가가
가 가
(: “ ”)
(self-monitoring) .

:

/

< - 1>

가 (< - 2 >). 가
 2-3 가 (:)
)
 (:) (: , 가) (: .
 . . /) 가 1
 (< - 3 >).

(3) 가
 가
 가(probing) . , , ,
 가 .

(4) 가
 가 가 . 15
) 가 (4
 .

2 , 3 .

3.

(multiple baseline design) 가 (mul- tiple probing design)
 가 (Cuvo, 1979; Horner & Baer, 1978; Murphey & Bryan, 1980; Tawney & Gast, 1984).

가가 +(1), ±(½), -(0) 3 ,

가 ,
 . ,

$$= \text{-----} \times 100$$

$$= \frac{(\quad)}{\text{-----}} \times 100$$

(1)

, (2)

, (3)

1-2

4.

25%

()

가 가

가

95%,

87.2%

III.

1.

ㄱ/

3

, / ㄴ/

7

,

/ ㅈ/

11

0%

2.

가.

(1) / ㄱ/ -

/ ㄱ/ -

I

22.6% (0-59.2%),

II

58.7% (13.1-85.7%),

III

82.5% (72-97%)

가

(0%)

. <

- 2>

,

가

3

가

,

II가

13%

I

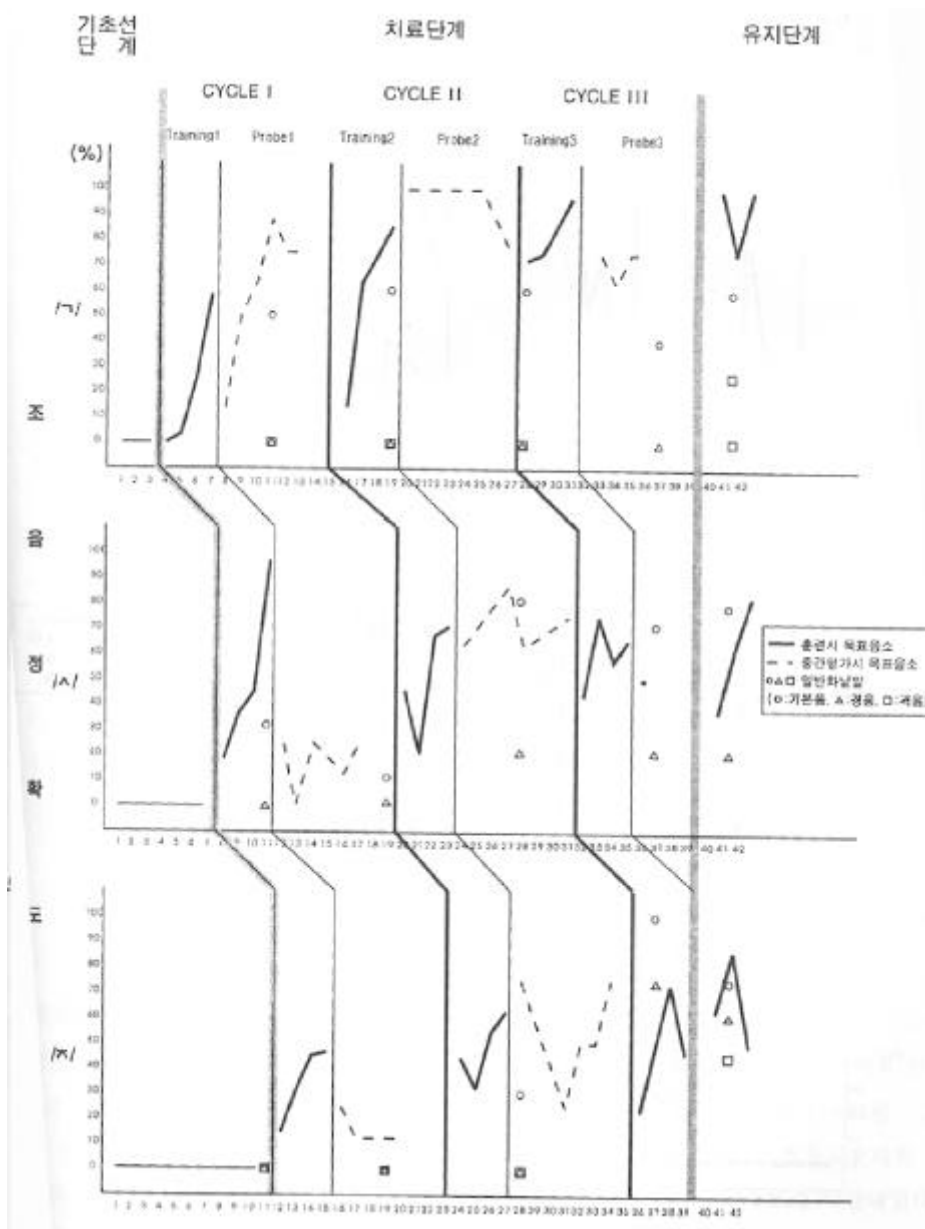
(59.2%)

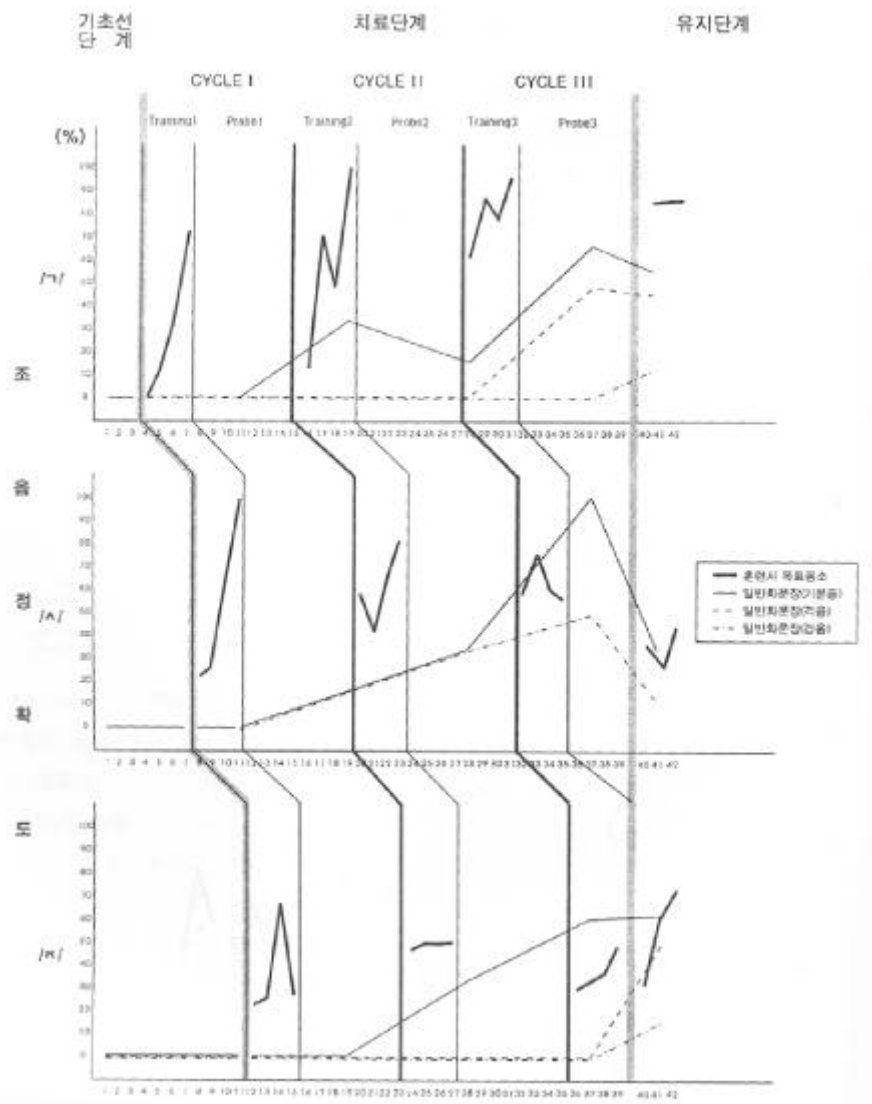
I 가 ,
 가 III II
 II 가 가
 가 / ㄱ/ 가
 가 (probe I, II, III)
 I 가 I 61% (13-88%), II
 가 II 91.7% (75-100%), III 가
 III 72% (63-75%) . / ㄱ/ 가
 (/ ㅅ/, / ㅈ/) 가 (probe I & II), / ㄱ/
 가 , / ㄱ/

가 가 (probe III)

(2) /ㅅ/-

/ㅅ/- I 49.8% (19-97%),
 II 51.8% (20.5-71.2%), III 61.1% (43.8-75%
) , / ㄱ/ 가 (0%)
 가 , / ㄱ/ I
 가 II 가
 가 III
 (< - 2>). I 가 II III
 가 I . , I 4 가
 II III 가





< - 3 >

가 I 17.6% (0- 25%)
), II 가 II 72.3% (63- 88%)
 III 가 III 50% . / 사 / 가,
 I / 가 / 가 I 가 I
 , / 사 / 가 I 가 I
 . I / 사 / -
 가 가 I
 가 II III 가 I 가

(3) /ㅈ/-

/ㅈ/- I 34.5% (15-46.8%), II
 가 II 47.6% (23-73%), III 가 III
 47.8% (23-73%) , 가 , 가 .
 가 /ㄱ/ /ㅈ/ , (0%)
 . /ㄱ/ /ㅈ/ 가 , /ㅈ/ 가 ,
 가 가 .
 가 , I 가 I 17% (13-25%),
 II 가 II 55% (25-75%) . /ㅈ/ 가
 /ㅈ/ 가 , I II .

.

/ㄱ/- I 29% (0-72.3%), II
 57.7% (12.2-100%), III 80.8% (62.5-94%) ,
 , 가 . (0%)
 가 . < - 3> ,
 II 가 I III

/ㅈ/- I 54% (22.2-100%), II
 59.6% (41-81%), III 49.9% (56-76%) , I
 가 가 . II 가 가 , I
 . III , I II
 가가 .

/ㅈ/- I 35.9% (22.5-68.7%), II
 49.3% (47-50%), III 37.7% (28-48%) , 가
 가 , (0%)
 . III , /ㅈ/- , II
 가가 .

3.

가.

/ㄱ/- 52.5% (40-60%), /ㅅ/- 47.5% (30-80%)
/ㅈ/- 32.5% (30-100%) 가

, 33-53%
가
/ㅈ/

가 . /ㄱ/- 20% (55% 28.9%)
8
/ㅅ/- /ㅈ/- 10% (/ㅈ/
54.5 49%, /ㅈ/ 40.1 31%). 28-55%

가
/ㄱ/ 가 가
가

가
/ㄱ/ , 가 가 (25.5% 32% 54.3%) III
100% 가 (0%)
/ㄱ/

/ㅅ/ 가 가 (26.3% 51.3% 62.5%)가
/ㅅ/가
가
/ㅈ/ , /ㅅ/ 가
(39.3% 41% 57.7%)

() () 가
/ㄱ, ㅋ, ㆁ, ㆁ, ㆁ/가 8 가
0% , 가
50% 가 20-30% 가

/ㄱ/- 5.6% 가
 29.7% 가 ,
 /ㄲ/ 가 가 23.5%
 가 , /ㅋ/ 11.2%
 가 35.9% , 가
 /ㅅ/ /ㅆ/ 17.4%, 13.3%
 가
 /ㅈ/- /ㅊ/, /ㅌ/ 4.7%,
 32.3% , /ㄱ/- 가 , /ㅈ/ /ㅊ/

, 17.9%, 33.5%, 35%
 가 , 가

4.

가 2
 가 , /ㄱ/- 91.7%
 III (82.5%) 75% ,
 III (80.8%) (0%)
 /ㅅ/- 60% , III (61.1%)
 , 30% III (49.9%)
 , (0%) I (29%)
 /ㅈ/- 66.5%, 53% , III (
 47.6%, 37.7%)

IV.

(/ㄱ, ㅅ, ㅈ/)

가 , 가

가 , 가

가 , 가

(0%) 가 , 가

90% , /ㅈ/ 70% , /ㄱ/ /ㅅ/

(1)

2 , (2)

, (3) 4

가 , (I) 가

가 , 가 II

III 가

가 , (: /ㅅ/)

(: /ㄱ/) 가 가

(,)가

(4-5)

가

가 , 가

가 . 가 ()가

가 , /ㄱ/ 가 /ㅅ/ /ㅈ/

가 ,

가 , 가 .
(17%) 2 , 35% .
, 4 가 가 .
, , 2 .
, 3 가 .
(: 4)
가 .
, 가 , 가 .

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| | | | |
|---|--|--|--|
| | | | |
| | | | |
| 가 | 가 [redacted] [redacted]가 가 [redacted] 가 | | [redacted]가 [redacted] [redacted] [redacted]가 [redacted] 가 [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] 가 [redacted] |
| | | | |

| | | | |
|----------------|--|--|---|
| <p>Cycle 1</p> | <p>1-2 : ㄱ</p> <p>3-4 : 入</p> <p>5-6 : ㅈ</p> | <p>,가</p> <p>,</p> <p>,</p> <p>,</p> <p>,</p> <p>,</p> | <p>, , ,가 , , ,가 ,</p> <p>, , , , , , ,</p> <p>, 가</p> <p>, , , , , , ,</p> <p>, , , , , , ,</p> <p>, , , , , , ,</p> <p>가 , , , , , , ,</p> |
| <p>Cycle 2</p> | <p>7-8 : ㄱ</p> <p>9-10 : 入</p> <p>11-12 : ㅈ</p> | <p>,</p> <p>,가</p> <p>,</p> <p>,</p> <p>,</p> <p>,</p> | <p>,가 , , , , , , ,</p> <p>, , , , 가 ,</p> <p>, , , , , , , ,</p> <p>, , , , , , , ,</p> <p>, , , , , , , ,</p> <p>, , , , , , , ,</p> <p>가 ,</p> |
| <p>Cycle 3</p> | <p>13-14 : ㄱ</p> <p>15-16 : 入</p> <p>17-18 : ㅈ</p> | <p>,</p> <p>,</p> <p>,</p> <p>,</p> <p>,</p> <p>,</p> | <p>, ,가 , , , , , , ,</p> <p>, , , , 가 , , , ,</p> <p>, , , , , , , ,</p> <p>, , , , , , , ,</p> <p>, , , , , , , ,</p> <p>, , , , , , , ,</p> <p>,</p> |

| | | 1 | 2 | 가 | 가 |
|---------|--------------|---|---|---|---|
| Cycle 1 | (play-doh) 가 | | | 가 | 가 |
| /ㄱ/ | | | | 가 | 가 |
| (,) | | | | 가 | 가 |
| /스/ | | | | 가 | 가 |
| /스/ | | | | 가 | 가 |
| Cycle 2 | | | | 가 | 가 |
| /ㄱ/ | | | | 가 | 가 |
| /스/ | | | | 가 | 가 |
| /스/ | | | | 가 | 가 |

| | | 1 | 2 | | |
|---------|--------------|---|---|----------|-----------|
| Cycle 3 | . | . | . | . | . |
| /ㄱ/ | (play-doh) 가 | . | . | . | ‘ (: ?). |
| /ㅅ/ | () | . | . | ‘...’ | ‘ ’ |
| | . | . | . | ‘... 가 ’ | (: ?) |
| /ㅈ/ | | . | . | . | ‘ (: |