

()

I.

(1994)

가

1

Groher and Bautman (1986)

12- 13%가

Teasell, Bach, and McRae (1994)

25- 45%

(Logemann, 1983). Buchholz (1994)

가

(periventricular infarct)

(brain stem stroke)

(bulbar palsy), 가

(pseudobulbar palsy)

(dysphagia)

(dysarthria)

phase),

(oral phase),

(pharyngeal phase),

(oral preparatory

(esophageal phase)

(Logemann, 1983).

(CN

V),

(CN IX),

(CN X)

가

(CN VII),

(CN XII) . Logemann

(1983)

1 가

(velum)

(superior pharyngeal constrictor)

가

(epiglottis)

(true vocal folds)가

. Logemann (1983)

1 가

(VIII),

Wade, 1987)

(Gordon, Hewer &

가
가

(nasogas- tric tube) 1970 (gastrostomy)

(bedside swallowing evaluation) Videofluoroscopic Swallowing Study (VSS)

II.

1.

1996 1 12 가 84
84 53 (63.0%) , 31 (36.9%)
66.7 < - 1>

< - 1> (:)

()	41-50	51-60	61-70	71-80	81
	2	3	9	9	8
	3	13	23	14	0

52 (61.9%) , 32 (38.0%)
가 57 (67.8%) , 가 12 (14.2%),
가 15 (17.8%) 가 가

< - 2> 25 (29.7%), 28 (33.3%)
18 (21.4%) <

< - 2>

(:)

(Frontal)	2	2	
(Basal ganglia)	14	8	3
(Middle Cerebral Artery)	20	5	3
(Brain stem)	16	2	
(Cerebellum)	8	1	

2.

가 1

가가 1

VSS

SV9900S

For-A VTG-55B

(thin liquid),

(thick liquid),

(puree)

(semi- solid)

(liquid barium)

(Esophatrast) 3:1

2cc 6cc

faucial arch)

(anterior

(vallecular space)

(pyriform sinus)

III.

가 43 (51.1%),

(wet voice quality)

가 31 (36.9%),

가 15 (17.8%),

가 40 (47.6%),

가 35

(41.6%),

가 24 (28.5%),

가 35 (41.6%)

가

8 ,

5 ,

7

10

1
 3 3
 6 6 10 6
 8 8
 13 6 < - 3>
 (valle- cular
 residue) 67.8% (57) 가 61.9% (52)가 가
 39.2% 33 37 (44.0%)
 (silent aspiration) 가
 33.8% 가
 41.4% 가

< - 3>

(:)

	(Basal ganglia)			(Middle Cerebral Artery)			(Brain stem)		(Cerebellum)		(Frontal)	
	Lt.	Rt.	Bil.	Lt.	Rt.	Bil.	Lt.	Rt.	Lt.	Rt.	Lt.	Rt.
	10	3	1	7	5	1	5	1	8			2
normal		3			3			1				
wet	3	1	3	5	1	3	6		6	1	2	
hoarse	2				2		1					
breathy	2	4	1	4			2		2			
strain	1			2								1
	9	5	1	4	1	1	11		7	1		
	11	2		9			10		5		1	2
	4	1	2	9	2	2	11	1	4	1		1
	6		1	10	2		6	1	6	1	1	1
	3	2	1	2	2		8	1	5			
	6	1	1	13		2	8		2		2	
	3			4								

가 28 (33.3%),
 25 (29.7%), 18 (21.4%) . 51 , 61
 가 가

12 ,
 7 가 가 , 15
 , , , 9

가 가 .

가 가

84

가 가

50% 42 .

가

가 ,

(Groher, 1992).

VSS

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