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Kim, Gui-seok and Ahn, Gil-soon. 2001. A study on the learning order of English relative clauses of Korean middle school students. *The Linguistic Association of Korea Journal*, 9(3), 71-88. This paper has tried to explore the learning order of six structure types of relative clauses, classified according to the grammatical role of both the nominal that the relative clause modifies (the head) and the gap within the relative clause. The subjects are 293 students using different textbooks in four formal classroom settings in Korea. To obtain the accurate percentages and learning orders of English relative clauses, the Group Score Method (GSM) was used for data analyses. Major findings are as follows: (1) The learning order of relative clauses is SS, SO, OS, OO, SO_i, OO_i; (2) The orders are not similar to those shown in previous studies by the native language researchers; and (3) The frequent order in English textbooks used did not affect the learning order. (Chosun University & Chonbuk National University).

1.

(Limber, 1973).

2

가

(, 1992),

(, 1994)

가

가

가

2

가

(H, G, K, C) 293 3

가 (, ,)

가

가

2

2.

2.1

(Brown, 1973; Limber, 1973; Miller, 1981). 19 36

(coordinate clause) (subordinate clause)

(Bloom et al., 1980). 가

(head) (Limber, 1973; Hamburger, 1980; Hamburger et al., 1982). Hamburger(1980)

What Wh_

- (1) a. Look it [Mommy have on]. (29)
- b. Look _ a wha [I made]. (28)

가 가 28 36
(Hamburger and Crain, 1982)

- (2) a. Look at that noise [you're making __ again]. (2;7)
- b. I want to something [that the cows eat __]. (2;9)

Limber(1973) 7 The book [that you want] is on the table
 Kim(1987) 3 (2;8 and 4;0. 1;11 and 2;3. 3;6 and 4;4) 가
 '(free relatives)

(head) (gap) (3)
 4

- (3) a. SS : , :
 The man [that__knows us] is waiting outside.
- b. SO : , :
 The man [that we know__] is waiting outside.
- c. OS : , :
 I saw the man [that__knows us].
- d. OO : , :
 I saw the man [that we know__].

Sheldon(1974, p. 276) 3;8 5;5 33
 SS OO (1.58 1.52)가 SO OS (0.52 0.88)
 가 가 가
 . 33

- (4) a. SS :
 The dog [that__ jumps over the pig] bumps into the lion.
 b. SO :
 The lion [that the horse bumps into__] jumps over the giraffe.
 c. OS :
 The pig bumps into the horse [that__ jumps over the giraffe].
 d. OO :
 The dog stands on the horse [that the giraffe jumps over__].

1. (Sheldon, 1974, 276)

	SS	SO	OS	OO
(3;8-4;3) =11	1.0	0.18	0.54	1.36
(4;6-4;11) =11	1.45	0.73	0.91	1.64
(5;0-5;5) =11	2.27	0.64	1.17	1.55
=33	1.58	0.52	.88	1.52

1 SS, SO, OS, OO

Tavakolian(1981, p. 172-74) 3 5 24
 Sheldon(1974) SS OO 가 가 가
 (78% 38%). Sheldon(1974)
 SO 가 OS (21% 19%). 가

- (5) a. SS :
The sheep [that _ jumps over the rabbit] stands on the lion.
- b. SO :
The lion [that the horse kisses _] knocks down the duck
- c. OS :
The duck stands on the lion [that _ bumps into the pig].
- d. OO :
The horse hits the sheep [that the duck kisses _].

2. 24 (Tavakolian, 1981, 172-74)

	SS	SO	OS	OO
=18	18	5	1	8
=8	16	6	4	9
=8	22	4	9	10
	78%	21%	19%	38%

2 SS, SO, OS, OO
OS 가 가

'(Conjoined Clause Strategy)

OS

가

de Villiers et al.(1979)

NP V NP

AGENT +ACTION+OBJECT

NP V NP

SS 가

SP 가 가

SP NP V NP

가 . 114 3 6

가

- (6) a. SS :
The gorilla [that __ bumped the elephant] kissed the sheep.
- b. SO :
The turkey [that the gorilla patted __] pushed the pig.
- c. OS :
The kangaroo kissed the camel [that __ shoved the elephant].
- d. OO :
The turtle hit the pig [that the giraffe touched __].
- e. SP :
The giraffe [that the turkey yelled to __] pushed the zebra.
- f. OP :
The crocodile touched the gorilla [that the zebra yelled to __].
- g. PS :
The turtle shouted to the camel [that __ pushed the kangaroo].
- h. PO :
The horse spoke to the turtle [that the sheep touched __].
- l. PP :
The kangaroo whispered to the turkey [that the zebra shouted to __].

3. 6 (de Villiers et al., 1979)

NP V NP					NP NP V			
SS	OS	OO	OP	PS	PO	PP	SO	SP
3.907	3.897	3.736	3.565	3.068	3.433	3.351	2.975	2.469

3 SS, OS, OO, OP, PO, PP, PS, SO, SP

O'Grady (1997) 가

가 . Tavakolian(1981)

가

(7) SO (31%):

The lion [that the horse kisses _____] knocks down the duck.

The lion [that _____ kisses the horse] knocks down the duck.

4. _____ (%), (O'Grady, 1997)

SS	OS	OO	SO
91	75	63	45

distance) ' (structural
가 가 . 4

2.2.

Clancy, Lee and Zoh(1986) 6;3 7;3 30
가 (word order)
(8a) (8b)

(8) a. 가 (78.25% 가):
[-oli-lul nemettuli-n] thokki-ka talamcw i-lul ccochaka-ss-ta.

duck- knock. down- rabbit- squirrel- chase- -
 'The rabbit that knocked down the duck chased the squirrel.'
 b. 가 (68.25% 가):
 [Thokki-ka-nemettuli-n] oli-ka talamcwi-lul ccochaka-ss-ta.
 rabbit- knock. down- duck- squirrel- chase- -
 'The duck that the rabbit knocked down chased the squirrel.'

(8a) 가 가 (8b)

(9)

(9) Talamcwi-ka [-thokki-lul nemettuli-n] oli-lul ccochaka-ss-ta.
 squirrel- rabbit- knock. down- duck- chase- -
 'The squirrel chased the duck that knocked down the rabbit.'

(9) NP- NP- V가
 S O V , . Lee(1991) 가
 가

(77% vs. 23%).

Cho(1999) 4 5

5

40

4:6 7:5

(SS, OS, PS) 가

(SO, OO, PO)

(SP, OP,

PP) 가 , O'Grady(1997)가

가 ' , '

가

가

3.

3.1. ,

3 , 125 168
 , 2
 3
 1
 가
 4 , 가
 가
 8 4 (C.
 K. G. H)
 5

5.

C		K		G		H	
3		3		3		3	
42	38	46	34	72	37	24	

3.2. ,

가
 4 9
 (Sheldon, 1974; Tavakolian, 1981)
 6 , SS, SO, OO, OS
 SO_i(de Villiers et al. OP)
 OO_i (de Villiers et al. PP)
 . SO_i 가

가 , C SO, OO, SO
 가 , K SS, SO SO₁ 가
 , G SO₁ 가 , H
 SO SO₁ 가 6
 가 A
 () 10 , B
 10 . C
 6 26
 30 2001 3 5 3 12 2
 Dulay Burt(1973)가
 (Group Score Method)
 1 , O
 (2)

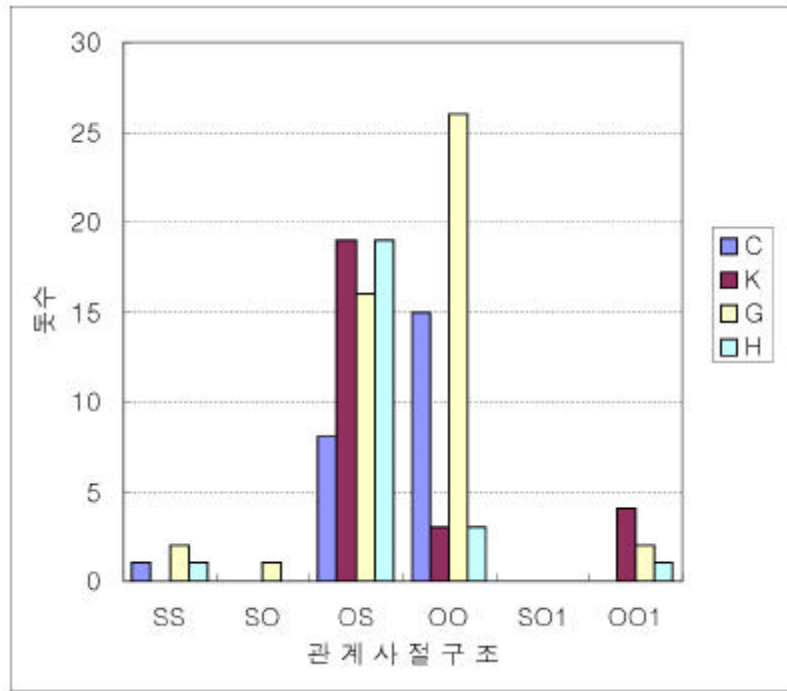
3.3.

- A. 가 26
- B. 가
- C. 가

4.

2

1.



4.2. 6

8.

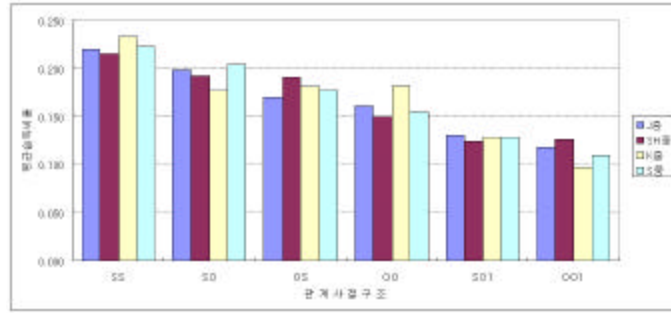
	SS	SO	OS	OO	SO	OO	
J (C)	672	606	519	489	400	360	3046
SH(K)	633	564	561	438	365	370	2931
K (G)	480	363	372	375	265	200	2055
S (H)	603	552	480	420	350	295	2700
	2388	2085	1932	1722	1380	1225	10732
	15		8.4989		0.9022		

9.

	SS	SO	OS	OO	SO	OO	
J (C)	0.221	0.199	0.170	0.161	0.131	0.118	1.000
SH (K)	0.216	0.192	0.191	0.149	0.125	0.126	1.000
K (G)	0.234	0.177	0.181	0.182	0.129	0.097	1.000
S (H)	0.223	0.204	0.178	0.156	0.130	0.109	1.000

8 9 J (C) SS
 가
 (0.221) . SO
 (0.199) . 가
 OO 가 SO
 (0.161, 0.199) ,
 SS (0.161, 0.221)
 . K SH SS 가
 가 (0.216)
 . SO
 (0.192) . 가 OS
 SS, SO
 . G
 K SO₁ 가
 OO (0.129, 0.097)
 . H S
 SO 가 가 OS (0.204, 0.178)

2.



10:

SS	159.2	22.25	5.50	159.2	22.25
SO	139	19.43	3.40	298.2	41.68
OS	128.8	18.00	45.50	427	59.68
OO	114.8	16.04	35.20	541.8	75.72
SO	92	12.86	2.80	633.8	88.58
OO	81.7	11.42	7.60	715.5	100.00
		5	1371.2789	0.0001	

10 ()

() . SS

5.50 22.25 SO 3.40

19.43 OS

45.50 18.00

OO 16.04 ,

가

가

SS, SO, OS, OO, SO_i, OO_i

5.

: SS, SO, OS, OO, SO_i, OO_i
 : SS, OS, OO, SO,
 SO_i, OO_i(O'Grady, 1977) Clancy, Lee and
 Zoh(1986) 가
 :
 : (SO_i, OO_i) O'Grady(1977)가
 ,
 2
 EFL
 (avoidance)
 SS 20% 가 가
 : 가
 : 가 가

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: _____ : () _____ : _____

A.

1. The man _____ knows us is my cousin.
2. The man _____ we know is waiting outside.
3. I saw the man _____ knows us.
4. I saw the man _____ we know.
5. The letter _____ came this morning is from my aunt.
6. The boy _____ you saw yesterday is my brother.
7. Do you know the dog _____ is very big?
8. I miss the girl _____ I met last week.
9. The girl _____ I spoke to was Tom's sister.
10. The dog stands on the horse _____ the giraffe jumps over.

B.

?

1. The teacher _____ teaches us English is Mr. Kim.
 what whom whose of which who
2. The girl _____ you saw yesterday is my brother.
 what which whose whom of which

3. We helped the man _____ doesn't know us.
 whose which whom who what
4. I saw the singer _____ everyone likes.
 whom whose of which what which
5. The box _____ is lying by the window is mine.
 which whose whom who what
6. The watch _____ I bought in Switzerland is much the same to you.
 whose whom who which what
7. I bought a pair of shoes _____ were made in Korea.
 whose which who what of which
8. He had the watch _____ his father gave to him.
 which what who whose whom
9. The man _____ I laughed at was his brother.
 whom which what whose of which
10. Look at the boy _____ some people stand on.
 whom what which whose of which

C. _____ . (_____ , and _____ .)

1. _____ .
2. _____ .
3. _____ .
4. _____ .
5. _____ 가 _____ 가
 (_____ : _____ 가 _____ _____ 가 _____ .)
6. John _____ Tom _____ .

(key words): _____ (relative clause), _____ (head), _____ (gap)

501-759

375

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