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1) (E-mail: yhyom@hallym.ac.kr)

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(Lee, Lee, Bae & Kim, 2003).

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 (t=- 5.416, p<.0001) 가
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<Table 1> Differences of knowledge for sexual violence between pretest and posttest

Domain	pretest		posttest		t(p)
	Mean	±SD	Mean	±SD	
Actual condition	0.46	±0.25	0.55	±0.24	- 3.588 (0.000)**
Concept	0.37	±0.25	0.47	±0.23	- 4.162 (0.000)**
Sexual Knowledge	0.44	±0.22	0.52	±0.23	- 3.727 (0.000)**
Sexual Psychology	0.43	±0.25	0.50	±0.26	- 2.822 (0.005)**
Legal Issue	0.35	±0.28	0.46	±0.27	- 4.280 (0.000)**
Development of Adolescence	0.48	±0.22	0.60	±0.21	- 5.738 (0.000)**
Total	0.48	±0.22	0.69	±0.21	- 5.738 (0.000)**

* p<0.01

<Table 2> Differences of knowledge for sexual violence by demographic characteristics between pretest and posttest

Variable		N	pretest	posttest	t(P)
			Mean \pm SD	Mean \pm SD	
Grade	1	58	0.43 \pm 0.16	0.58 \pm 0.13	- 7.891(0.000)**
	3	112	0.43 \pm 0.18	0.50 \pm 0.17	- 3.008(0.003)**
Gender	Male	91	0.40 \pm 0.18	0.51 \pm 0.19	- 4.158(0.000)**
	Female	80	0.49 \pm 0.15	0.55 \pm 0.12	- 4.561(0.000)**
Family Atmosphere	Conservative	25	0.39 \pm 0.16	0.52 \pm 0.12	- 3.021(0.006)**
	Opened	33	0.46 \pm 0.18	0.56 \pm 0.18	- 2.871(0.007)**
	Neutral	113	0.43 \pm 0.17	0.52 \pm 0.17	- 4.385(0.000)**
School Record	Good	28	0.56 \pm 0.12	0.55 \pm 0.17	0.166(0.869)
	Medium	106	0.42 \pm 0.16	0.53 \pm 0.15	- 5.416(0.000)**
	Poor	37	0.36 \pm 0.19	0.50 \pm 0.21	- 3.673(0.001)**
Experience of Sexual Education	Yes	150	0.44 \pm 0.17	0.53 \pm 0.16	- 5.174(0.000)**
	No	21	0.34 \pm 0.16	0.48 \pm 0.19	- 3.374(0.003)**
Experience of Sexual Violence	Yes	101	0.47 \pm 0.16	0.54 \pm 0.15	- 3.630(0.000)**
	No	70	0.38 \pm 0.18	0.51 \pm 0.18	- 4.922(0.000)**

<Table 3> Differences of knowledge for sexual violence by item between pretest and posttest

Item		Correct answer	Correct answer	t(p)
		n (%)	Mean \pm SD	
Female is more sexually violated than male	pretest	134 (77.9)	0.78 \pm 0.41	- 0.762 (0.447)
	posttest	139 (80.8)	0.81 \pm 0.39	
Rape is the most prevalent	pretest	26 (15.1)	0.15 \pm 0.36	- 2.202 (0.029)*
	posttest	42 (24.4)	0.24 \pm 0.43	
Sexual violence is severer than sexual harassment	pretest	18 (10.5)	0.10 \pm 0.31	0.755 (0.451)
	posttest	14 (8.1)	0.08 \pm 0.27	
Rape is frequently committed by strangers	pretest	74 (43.0)	0.43 \pm 0.50	- 2.130 (0.035)*
	posttest	91 (52.9)	0.53 \pm 0.50	
A victim does not often perceive rape during the date	pretest	73 (42.4)	0.42 \pm 0.50	- 4.276 (0.000)**
	posttest	109 (63.4)	0.63 \pm 0.48	
Discriminant social atmosphere causes to sexual violence	pretest	80 (46.5)	0.47 \pm 0.50	- 2.534 (0.012)*
	posttest	103 (59.9)	0.60 \pm 0.49	
Unless the partner wants, even if they like each other, they can have sexual intercourse	pretest	121 (70.3)	0.70 \pm 0.46	- 0.831 (0.407)
	posttest	127 (73.8)	0.74 \pm 0.44	
Sexual impulse of man causes to sexual violence	pretest	21 (12.2)	0.12 \pm 0.33	- 2.132 (0.034)*
	posttest	35 (20.3)	0.20 \pm 0.40	
It is possible for a committer to be in abnormal sexuality	pretest	49 (28.5)	0.28 \pm 0.45	- 2.557 (0.011)*
	posttest	68 (39.5)	0.40 \pm 0.49	
Woman with exposes dressing has more chance to be sexually violated	pretest	50 (29.1)	0.29 \pm 0.46	- 0.437 (0.663)
	posttest	53 (30.8)	0.31 \pm 0.46	
There is no way to prevent sexual violence except woman should be careful	pretest	118 (68.6)	0.69 \pm 0.47	- 0.271 (0.786)
	posttest	120 (69.8)	0.70 \pm 0.46	
There is no rape between spouse	pretest	43 (25.0)	0.25 \pm 0.43	- 3.295 (0.001)**
	posttest	70 (40.7)	0.41 \pm 0.49	
It is good to try forget the fact that was sexually violated	pretest	61 (35.5)	0.35 \pm 0.48	- 0.592 (0.554)
	posttest	66 (38.4)	0.38 \pm 0.49	
You have a shower or bath and treat the wound, if you were sexually violated	pretest	54 (31.4)	0.31 \pm 0.47	- 2.201 (0.029)*
	posttest	71 (41.3)	0.41 \pm 0.49	

<Table 3> Differences of knowledge for sexual violence by item between pretest and posttest (continued)

Item		Correct answer	Correct answer	t(p)
		n (%)	Mean ± SD	
Most convicted have lower self esteem, because they feel themselves dirty	pretest	85 (49.4)	0.49 ± 0.50	- 1.675 (0.096)
	posttest	100 (58.1)	0.58 ± 0.49	
A victim needs a rest alone to recover the damage, being sexually abused	pretest	48 (27.9)	0.28 ± 0.45	- 1.069 (0.286)
	posttest	56 (32.6)	0.33 ± 0.47	
A legal action is effective in 6 month	pretest	23 (13.4)	0.13 ± 0.34	- 2.049 (0.042)*
	posttest	36 (20.9)	0.21 ± 0.41	
Only parent or victim can take legal actions	pretest	69 (40.1)	0.40 ± 0.49	- 1.00 (0.319)
	posttest	77 (44.8)	0.45 ± 0.50	
Sexual abuse in children has severer punishment than sexual abuse in adult	pretest	74 (43.0)	0.43 ± 0.50	- 3.612 (0.000)**
	posttest	106 (61.6)	0.62 ± 0.49	
A person during the puberty perceives an emotional stress due to physical and emotional change	pretest	127 (73.4)	0.74 ± 0.44	- 2.122 (0.035)*
	posttest	142 (82.6)	0.83 ± 0.38	
Masturbating becomes lower intelligent abilities	pretest	54 (31.4)	0.31 ± 0.47	- 2.250 (0.026)*
	posttest	73 (42.4)	0.42 ± 0.50	
The sexual impulse is too strong for men to control	pretest	59 (34.3)	0.34 ± 0.48	- 2.160 (0.032)*
	posttest	78 (45.3)	0.45 ± 0.50	
A person during the puberty has better not having a acquaintance of the opposite sex because he/she ought to study hard	pretest	103 (59.9)	0.60 ± 0.49	- 1.733 (0.085)
	posttest	117 (68.0)	0.68 ± 0.47	
Curiosity makes the youth see the pornography	pretest	114 (66.3)	0.66 ± 0.47	- 3.239 (0.001)**
	posttest	140 (81.4)	0.81 ± 0.39	
The contents of pornography are mainly exaggerated or not real	pretest	81 (47.1)	0.47 ± 0.50	- 5.944 (0.000)**
	posttest	128 (74.4)	0.74 ± 0.44	
Every adult or child who is accused to assistant relationship must be punished legally	pretest	23 (13.4)	0.13 ± 0.34	- 2.084 (0.039)*
	posttest	37 (21.5)	0.22 ± 0.41	
Woman wants to be raped instinctively	pretest	88 (51.2)	0.51 ± 0.50	- 3.462 (0.001)**
	posttest	114 (66.3)	0.66 ± 0.47	
Sexual intercourse does heavier harm to the youth than the adult	pretest	106 (61.6)	0.62 ± 0.49	- 1.873 (0.063)
	posttest	122 (70.9)	0.71 ± 0.46	
Sexual roles are made by social environment not physical differences between gender	pretest	63 (36.6)	0.37 ± 0.48	- 2.698 (0.008)**
	posttest	88 (51.2)	0.51 ± 0.50	
We have to be kind when a stranger stops and asks in the remote place	pretest	114 (66.3)	0.66 ± 0.47	- 2.464 (0.015)*
	posttest	131 (76.2)	0.76 ± 0.43	
We handle alone when we are sexually abused	pretest	125 (72.7)	0.73 ± 0.45	- 1.920 (0.057)
	posttest	139 (80.8)	0.81 ± 0.39	
We have to scratch or kick the committer, when we are sexually abused	pretest	103 (59.9)	0.60 ± 0.49	- 2.760 (0.006)**
	posttest	125 (72.7)	0.73 ± 0.45	
It shames us to be sexually abused	pretest	75 (43.6)	0.44 ± 0.50	- 1.069 (0.287)
	posttest	84 (48.8)	0.49 ± 0.50	
Total	pretest	-	0.43 ± 0.17	- 5.984 (0.000)**
	posttest	-	0.53 ± 0.16	

* p<0.05 ** p<0.01

6 ” (t=- 2.049, ”(t=- 2.122, p<.05), “ 가
 p<.05), “ ”(t=- 2.250, p<.05), “
 ”(t=- 3.612, p<.0001), “ ”(t= - 2.160, p<.05), “
 가 ”(t=- 3.239, p<.001),

“ 가 ”(t= -5.944, p<.0001), “ 가 ” (t= -2.084, p<.05), “ 1/3 ”(t= -3.462, p<.001), “ 가 ” (t= -2.698, p<.01), “ 가 가 ” (t= -2.464, p<.05), “ 가 ” (t= -2.760, p<.000) <Table 3>. 가 (Sohn et al., 2002) 가 가 가 가 가 Lee Jung(2001) Rosenthal, Yang(1997) 7 Heesacker Neimeyer(1995) 1 3 Han(1997) Grum(1991) 가 가 가 가 CD-ROM 가 Yom, Yoon, Lee Chung(2001) 5 2.86±0.47 가 가 가 가 1 3 가 1 3 Kim(1999)

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 가 (t= -2.871, p<.01),
 (t= 4.385, p<.0001), (t= 3.021,
 / CD-ROM p<.01), (t= -5.416, p<.0001)
 가 (t= -3.673, p<.001)
 / CD-ROM (t= -5.174, p<.0001)
 (t= -3.374, p<.01)
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- Abstract -

The Effects of a CD-ROM Educational Program for Sexual Violence Prevention on Sexual Knowledge of Middle School Students*

Yom, Young-Hee1) · Lee, Kyu Eun2)

Purpose: This study analyzed the effects of a CD-ROM educational program for the prevention of sexual violence in relation to the sexual knowledge of middle school students.

Method: A one group, pre-test-post-test design was used. The subjects of this study were 171 middle school students in Kangwon Province, Korea. The questionnaire included 34 items relating to overall sexual knowledge, and included questions on sexual violence. The collected data were analyzed using the mean, standard deviation and paired-t tests. **Result:** There were significant differences in the sexual knowledge by demographic characteristics between the pre- and post-tests. Of the 34 items, 20 showed significant differences in the sexual knowledge between the pre- and post-tests. **Conclusion:** The overall level of sexual knowledge of the students increased after taking the CD-ROM educational program. Further testing will be required to determine the effects of the CD-ROM using a control group and random sampling.

Key words : Sexual violence,

Educational program, CD-ROM

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