

Table 1 Baseline demographic and clinical characteristics of all participants (N=63) and comparisons between the control (n=30) and intervention groups (n=33)

Characteristics	Total n (%)	Control n (%)	Intervention n (%)	<i>p</i> value
Age (years)				
20~39	9 (27.3)	7 (23.3)	16 (25.4)	0.83†
40~49	10 (30.3)	4 (13.3)	14 (22.2)	
50~59	11 (33.3)	9 (30.0)	20 (31.8)	
> 60	3 (9.1)	10 (33.4)	13 (20.6)	
Educational level				
≤ junior school	7 (21.2)	16 (53.4)	23 (36.5)	0.27†
High school	15 (45.5)	7 (23.3)	22 (34.9)	
≥ College degree	11 (33.3)	7 (23.3)	18 (28.6)	
Religious belief				
Yes	23 (69.7)	18 (60.0)	41 (65.1)	0.42†
No	10 (30.3)	12 (40.0)	22 (34.9)	
Occupation class ^a				
V	11 (33.3)	18 (60.0)	29 (46.0)	0.18‡
IV	1 (3.0)	0 (0.0)	1 (1.6)	
III	0 (0.0)	2 (6.6)	2 (3.2)	
II	5 (15.2)	5 (16.7)	10 (15.9)	
I	16 (48.5)	5 (16.7)	21 (33.3)	
Previous sex education				
Yes	4 (12.1)	3 (10.0)	7 (11.1)	> 0.999‡
No	29 (87.9)	27 (90.0)	56 (88.9)	
Fixed partner				
Yes	27 (81.8)	25 (83.3)	52 (82.5)	0.85†
No	6 (18.2)	5 (16.7)	11 (17.5)	
Sexual orientation				
Heterosexual	32 (97.0)	28 (93.3)	60 (95.2)	0.61‡
Non-heterosexual	1 (3.0)	2 (6.7)	3 (4.8)	
Sexual intercourse per month [§]				
0 times	10 (30.3)	13 (43.3)	23 (36.5)	0.53†
1~3 times	16 (48.5)	11 (36.7)	27 (42.9)	
≥ 4 times	7 (21.2)	6 (20.0)	13 (20.6)	
Menopause				
No	12 (36.4)	9 (30.0)	21 (33.3)	0.59†
Yes	21 (63.6)	21 (70.0)	42 (66.7)	
Disease stage				
Stage I	17 (51.5)	17 (56.7)	34 (54.0)	0.61‡
Stage II	9 (27.3)	6 (20.0)	15 (23.8)	
Stage III	6 (18.2)	4 (13.3)	10 (15.9)	
Stage IV	1 (3.0)	3 (10.0)	4 (6.3)	
Treatment modality				
Surgery	14 (42.4)	15 (50.0)	29 (46.0)	0.15‡
Chemotherapy/surgery + chemotherapy	1 (3.0)	4 (13.3)	5 (8.0)	
Radiotherapy + chemotherapy	13 (39.4)	5 (16.7)	18 (28.5)	
Surgery + radiotherapy + chemotherapy	5 (15.2)	6 (20.0)	11 (17.5)	

^a Occupation was divided according to the British Registrar General's Classification into 5 categories: class I=professional, class II=intermediate, class III =skilled, class IV=partly skilled, and class V=unskilled.

† Chi-square test

‡ Fisher's exact test

§ Estimated average in the past six months

Table 2 Generalized estimating equation analysis of knowledge, attitude, and self-efficacy for sexual health between participants (N = 63) in the control group (CG) and intervention group (IG)

Sexual Health	Predictor variables	β	SE	X ²	p value
Knowledge	Intercept	12.077	1.062	--	--
	Group effect (IG vs CG)	3.794	1.329	8.154	0.004
	Time effect				
	(Baseline vs T2)	-3.610	1.141	10.017	0.002
	(T1 vs T2)	-0.801	1.069	0.562	0.453
	Interaction effect				
	(Baseline x IG vs. baseline x CG)	-2.746	1.900	4.378	0.360
Attitude	(T1 x IG vs T1 x CG)	1.312	.209	2.468	0.116
	Intercept	85.000	2.963	--	--
	Group effect (IG vs CG)	9.226	3.111	8.795	0.003
	Time effect				
	(Baseline vs T2)	0.700	1.910	0.134	0.714
	(T1 vs T2)	-1.103	2.342	0.222	0.638
	Interaction effect				
Self-efficacy	(Baseline x IG vs. baseline x CG)	-6.320	2.423	6.805	0.009
	(T1 x IG vs T1 x CG)	1.423	2.716	0.275	0.600
	Intercept	87.269	4.732		
	Group effect (IG vs CG)	17.053	5.698	8.985	0.003
	Time effect				
	(Baseline vs T2)	-3.736	3.982	0.880	0.348
	(T1 vs T2)	5.110	3.719	1.888	0.169
	Interaction effect				
	(Baseline x IG vs. baseline x CG)	-10.981	-10.069	4.350	0.037
	(T1 x IG vs T1 x CG)	5.265	4.719	4.553	0.033

Abbreviations: IG, intervention group; CG, control group; T1, 1-week post-intervention; T2, 6-weeks post-intervention.