

The students' change of prejudice toward schizophrenia after reading the comic book “My mother is mentally ill”

Tomoe Kodaira², Takehiko Ito^{1, *}

¹Psychology and Education, Wako University, Japan, ²Nursing, Seirei Christopher University, Japan

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80cm wide by 120cm high (Portrait Type only). 10枚

[Objective]

- Previous studies (Kodaira *et al.* 2007ab; 2008; 2009) revealed effects of TV programs on reduction of students' Prejudice Towards Schizophrenia (PTS) The purpose of present study was to observe the effects of reduction of PTS by using a *Manga* or comic book.



[Method] Participants & educational material

- [Participants] 42 students of a liberal art university and 84 students of a nursing university.
- [Educational material] Yuki Nakamura 's book “My mother is mentally ill” published by Sun Mark Shuppan in 2008, which introduce the story of her own life living with her mother with schizophrenia was used as the stimulus

[Method] Questionnaire

In the pre-test, the Attitude towards Mental Disorder Scale (AMDS: Kitaoka-Higashiguchi *et al.* 2001).

AMDS consists of the Social Distance Subscale (SDS) with 10 items and the Image Scale (IS) was used.

Post-test consisted of the AMDS and open questions about the impressive scene and overall impression of the book.

[Method] Procedure & ethical consideration

- [Procedure] In October and November, 2009, the pre-test was conducted before students' loaning the book. For those who had read it, the post-test was conducted one week later. *T* test and ANOVA were used in the analysis.
- [Ethical consideration] The experiment was conducted after the permission of Ethical Committee of the first author.

[Results] (Fig.1)Change of the Social Distance Subscale (SDS) Towards Schizophrenia

- In the SDS, the main effect of the difference between pre and post-test was statistically significant ($p = .031$), and the interaction between the time-change and the university was not significant,
- the reduction of points of nursing students ($M = -.12 \pm .48$) and that of liberal arts students ($M = -.06 \pm .37$) indicated significant reduction of PTS(See Fig. 1).

Fig. 1 Social distance subscale

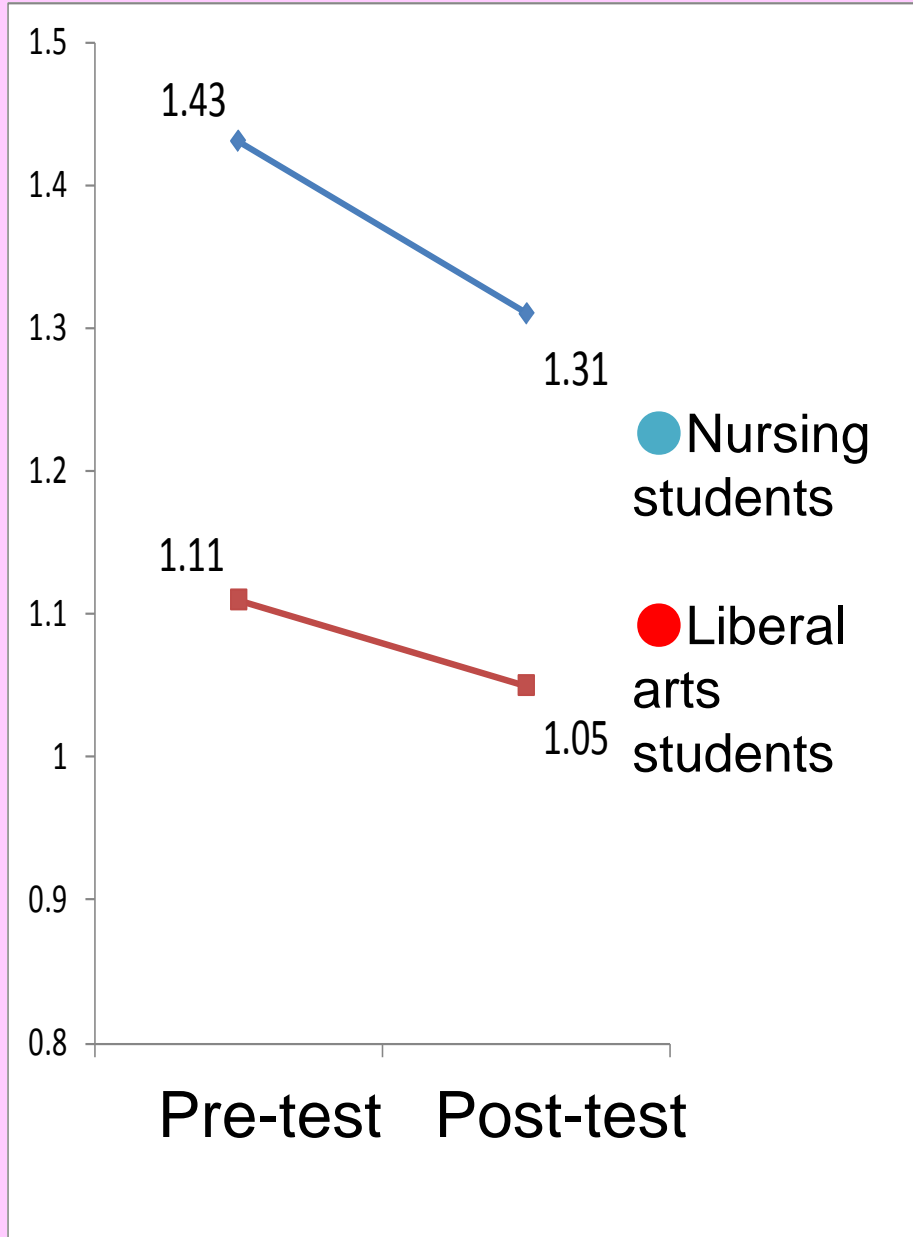
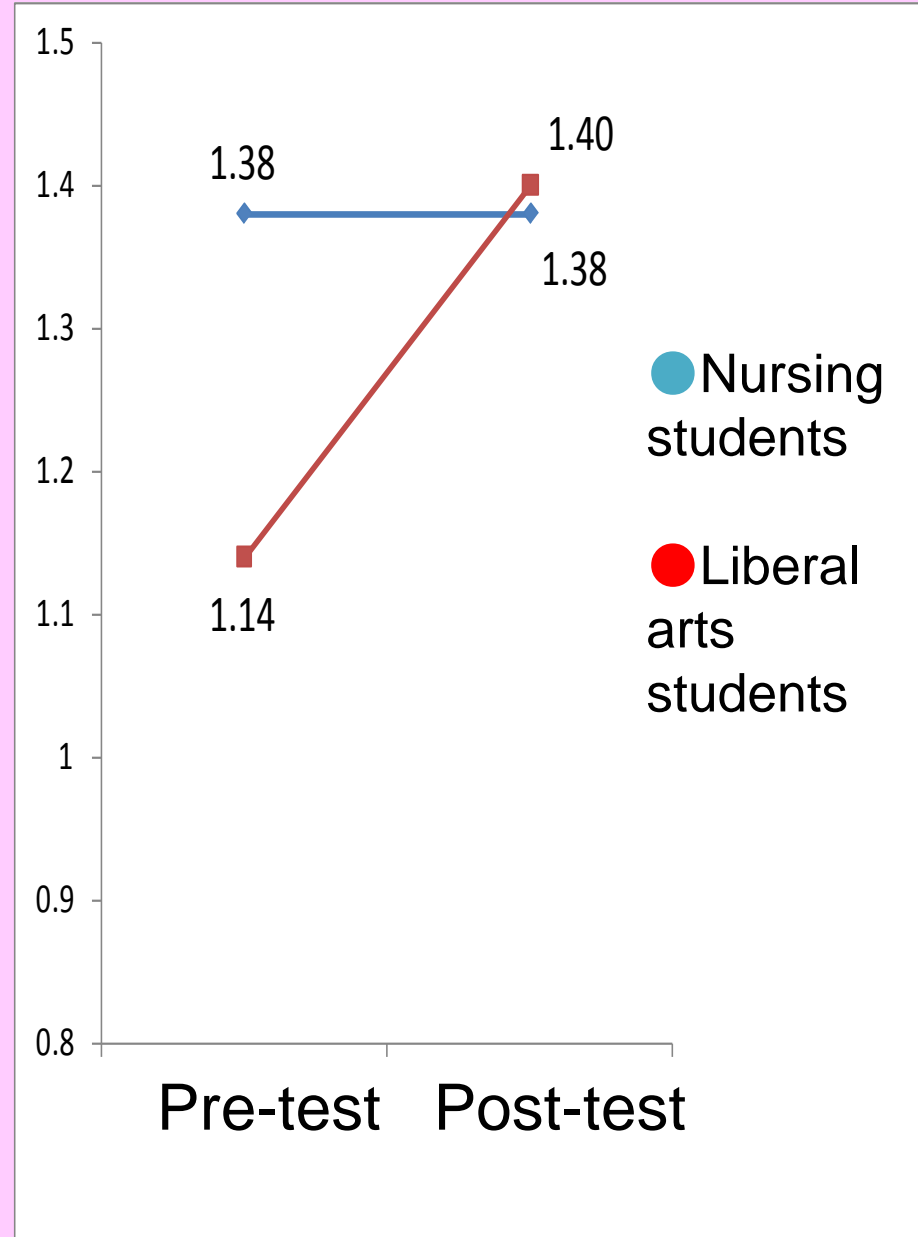


Fig.2 Image Subscale



[Results] (Fig.2) Change of the the Image Subcale (IS) Towards Schizophrenia

- In the IS, the main effect of the change between pre and post test was significant ($F(1, 124) = 6.417, p = .013$) and the interaction between the time-change and the university was also significant ($p = .012$).
- There were no significant reduction in nursing students ($M = 0 \pm .52$), although there were significant increase of PTS ($M = .25 \pm .54$)

Fig.3 Pre- and Post test comparison of AMD scale points

Stimuli	Study/ Participants	Social Distance	Image
Medical explanation Condition video	(1)	○	△
	(2)	△	○
Patient's narrative Condition video	(1)	○	○
	(2)	△	◎
Urakawa Bethel video	(3)	×	◎
Couple narrative video	(4)	◎	◎
Manga book (Present study)	Nursing students	○	△
	Liberal arts students	○	×

Degree of prejudice reduction: ◎=++; ○=+; △=±; ×=-

[Discussion]

- The *Manga* reduced PTS in social distance area, but increased prejudice of bad image. The interaction of content of educational material and direct effects of PTS was discussed by comparing with previous studies on TV programs (Kodaira *et al.* 2007ab; 2008; 2009).
- The interaction of content of educational material and direct effects of PTS were discussed.

[References] Ito, T. , Kodaira, T., & Inoue, T. 2011 *TV Program - Based Preventive Education for the Prejudice towards Schizophrenia*. (unpublished manuscript)

- Ito,T., Kodaira,T. & Ohtaka, Y. 2010 *Experience of people with mental illness: A text mining analysis of an autobiographical illness narrative book*. Annual Conference of Korean Psychological Association
- Kitaoka-Higashiguchi, K. (2001). Effects of contact experiences on attitudes toward the mentally disordered. *Japanese Journal of Psychiatric Rehabilitation*, **5 (2)**, 142-147.
- Kodaira, T., & Ito, T. (2009). Effects of preventive education for reduction of prejudice towards schizophrenia on nursing students. Centennial Celebration of Chinese Nursing Association: Thesis Compilation, Aug 19, 2009. 192-193.
- Kodaira, T., & Ito, T. 2010. *Narrative educational materials: Applications of narratives of people with mental disorders for nursing education*. 2nd Japan China Korea Nursing Conference, 90-91.
- Link, Bruce. G., John Monahan, Ann Stueve, Francis T. Cullen. (1999). Real in their consequences: A sociological approach to understanding the association between psychotic symptoms and violence. *American Sociological Review*, **64**, 316-332.
- Sartorius, Norman, and Hugh Schulze. (2005). *Reducing the stigma of mental illness*. Cambridge University Press.
- World Psychiatric Association (2002). *Schizophrenia: Open the door*. Author