

**Title:** Effects of Using Video Media on Knowledge and Health Beliefs in Prevention of Tuberculosis Transmission of Newly Diagnosed Pulmonary Tuberculosis Patients

**Author:** Ms. Kampong Kamnon, Ms. Uthai Paungjai, Mrs. Chlonkanok Nontasut, Ms. Navaporn Sripo

**Introduction/Aims:** Educating newly diagnosed pulmonary tuberculosis (TB) patient is necessary in prevention of disease transmission and effective treatment. Promotion of health belief is essential for patient to improve performance of knowledge. The main purpose of this quasi-experimental study was to determine the effects of using video media on knowledge and health beliefs in prevention of tuberculosis transmission of newly diagnosed pulmonary TB patients.

**Methods:** The objects were patients treated at TB clinic of Rajavithi hospital, Bangkok during November 2012 to January 2013. Forty patients were purposely selected according to the criteria and divided equality in two groups. The control group received the routine teaching where as the experimental group received teaching with video media. The research instruments were developed by the researcher included knowledge test and health belief assessment on TB transmission prevention. Data were analyzed using descriptive statistics and t-test.

**Results:** The study revealed that

1. Knowledge and the health belief in prevention of transmission score of newly diagnosed pulmonary TB in experimental group were statistical significant higher than those of patients in control group. ( $p < 0.001$ )

2. After receiving teaching with video media knowledge and the health belief in prevention of transmission score of newly diagnosed pulmonary TB were statistical significant higher than before receiving teaching with video media. ( $p < 0.05$ )

**Conclusions:** The results of the study show that teaching with video media on health belief model can be used as a guide to enhance knowledge in prevention of transmission of newly diagnosed pulmonary tuberculosis. However, monitoring of the patients' practices should be performed to be confident that the patients can behave correctly.