

The Effect of an e-Learning Program of Basic Cardiopulmonary Resuscitation for Students of an Emergency Medical Technician Program

Authors : Itsaree Padphai, Jiranan Pakpeian, Suksun Niponchai

Abstract : This study is a descriptive research which aims to: 1) Compare the difference of knowledge before and after using the e-Learning program entitled "Basic Cardiopulmonary Resuscitation for Students in an Emergency Medical Technician Diploma Program", and 2) Assess the students' satisfaction after using the said program. This research is a kind of teaching and learning management supplemented with the e-Learning system; therefore, the purposively selected samples are 44 first-year and class-16 students of an emergency medical technician diploma program who attend the class in a second semester of academic year 2012 in Sirindhorn College of Public Health, Khon Kaen province. The research tools include 1) the questionnaire for general information of the respondents, 2) the knowledge tests before and after using the e-Learning program, and 3) an assessment of satisfaction in using the e-Learning program. The statistics used in data analysis percentage, include mean, standard deviation, and inferential statistics: paired t-test. 1. The general information of the respondents was mostly 37 females representing 84.09 percent. The average age was 19.5 years (standard deviation was 0.81), the maximum age was 21 years, and the minimum age was 19 years respectively. Students (35 subjects) admitted that they preferred the methods of teaching and learning by using the e-Learning systems. This was totally 79.95 percent. 2. A comparison on the difference of knowledge before and after using the e-Learning program showed that the mean before an application was 6.64 (standard deviation was 1.94) and after was 18.84 (standard deviation 1.03), which was higher than the knowledge of students before using the e-Learning program with the statistical significance (P value < 0.001). 3. For the satisfaction after using the e-Learning program, it was found that students' satisfaction was at a very good level with the mean of 4.93 (standard deviation was 0.11).

Keywords : e-Learning, cardiopulmonary resuscitation, diploma program, Khon Kaen Province

Conference Title : ICEL 2014 : International Conference on e-Learning

Conference Location : Zurich, Switzerland

Conference Dates : January 14-15, 2014