

## Abstract

**Background and Aim:** Improving the effectiveness of learning in nursing education is very important. Several strategies are used to increase the learning effectiveness. The purpose of this study was to compare the effect of two methods of lecture-videocast and handout on learning and satisfaction of nursing students.

**Materials and Methods:** This quasi- experimental study was conducted in Ardabil University of Medical Sciences during the second semester of the academic year of 1395-96. The 10 sessions of the Health Status Study were randomly divided into two groups. In 5 sessions after teaching lecture and slides, pamphlets and at 5 other sessions, videotapes were delivered to students as video files. Assessment of students' learning and satisfaction from teaching sessions was done at the end of the semester. The data were entered into SPSS software and to analyze by descriptive statistics (mean and standard deviation) and analytical statistics (t-test, Wilcoxon and Mann-Whitney-U).

**Results:** Data analysis showed that the mean difference between the mean score of the lesson sessions and the average video casts was statistically significant ( $P \leq 0.0001$ ). The difference in mean score of student satisfaction from two strategies for learning the pamphlet and videotape was not statistically significant ( $P = 0.39$ ).

**Conclusion:** According to the findings of this study, it is better to provide students with satisfaction alongside traditional and old learning strategies such as studying pamphlets and books, videotapes, and teaching sessions.

**Keywords:** Learning, Learning strategy, satisfaction, Video-cast, Nursing student