

## Abstract

### **Comparison of Puerperial Sepsis Training by Lecture and Concept Map Based on the first two Levels of Kirk Patrick Model in Midwifery Students of Ardabil Medical University**

**Background:** Teaching puerperal sepsis is important for midwifery. The teaching method is one of the challenges of the educational system in universities. This study was conducted with the aim of comparing the teaching of postpartum infection by two methods of lectures and concept maps in midwifery students of medical sciences in Ardabil.

**Method:** this semi-experimental study was conducted in 2022 in Ardabil Nursing and Midwifery School on 50 midwifery students. Students randomly were placement in lecture and concept map teaching groups. To collect data, a 23-question satisfaction questionnaire and a 15-question test taken from the WHO books on the management of puerperal sepsis were used to check students' knowledge and learning. The data were analyzed by using descriptive statistics and independent and paired t-test SPSS software.

**Findings:** the difference between the average learning score of the students in the concept map method training group and the lecture method group in post-test was statistically significant ( $p=0.04$ ). The post-test mean score in the concept map group was  $10.28\pm 1.90$  and more than the amount before the training  $5.24\pm 2.18$ , the post-test mean score in the lecture group was  $9.20\pm 1.70$  more than the amount before the training  $6.00 \pm 1.97$ . The average satisfaction score in the concept map group was  $107.92\pm 4.46$  and in the lecture group  $105.68\pm 6.84$  this difference was statistically significant ( $p=0.03$ ).

**Conclusion:** The teaching of puerperal sepsis with the concept map method had a greater effect on the satisfaction and learning of midwifery students. Therefore, it is recommended to use this educational method.

**Keywords:** puerperal sepsis, concept map, lecture, Kirkpatrick assessment, midwifery