



ACHIEVEMENT TO EDUCATIONAL OBJECTIVES FOR DENTISTRY

STUDENTS: COMPARISON OF LEARNING METHODS

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ABSTRACT

Objective: This was an attempt to compare the extent of educational objectives achievements in oral pathology course using two methodologies; teacher-oriented instruction (TOI) & problem-based learning (PBL).

Methods: The present study was carried out on 24 third-year students of general dentistry in Dental Faculty of Shahed University. The non-randomized interventional census sampling and Will-Coxon statistical method were used. After the instruction, a multiple-choice test and a questionnaire were designed for each method to measure the teaching methodologies efficacy and the degree of students' satisfaction.

Results: The participants' average score obtained from the questionnaires were 48 ± 15.82 and 42.75 ± 12.23 For TOI and PBL methods, respectively. However, there was not a significant difference between these results. ($P = 0.166$) Also, There was not a significant difference between the participants' tests using these two teaching methodologies ($p=0.414$). However, the questionnaires' analyses show that there was a significant relationship between achieving the objectives and test scores in teacher-oriented group. Pearson's correlation coefficient were 0.415 & $p=0.044$. Hence, the correlation coefficient were 0.283 and $p=0.180$ for problem based learning method, respectively. The questionnaires' analyses showed that the extent of fulfillment was mentioned as desirable by 6; acceptable by 16 and unacceptable by 2 participants in teacher-oriented group. Though, in PBL group, it was reported to be desirable by 6, acceptable by 14, and unacceptable by 4 informants.