

## **Production of educational content of ophthalmology course by role-playing method**

### **Abstract**

**Background:** One of the new methods in the field of continuing education for undergraduate students and physicians is the use of e-learning. With the onset of the Corona pandemic crisis and the threat of the face-to-face education system in universities, due to insufficient familiarity of professors and students with e-learning platforms, one of the major challenges was the lack of appropriate and comprehensive e-learning contents.

**Aim:** The production of educational content is based on educational multimedia according to the topics of ophthalmology courses so that this educational gap can be answered with its help.

**Materials and Methods:** This content in the form of an educational DVD contains 9 hours and 46 minutes of video content, nearly 200 educational photos and a question bank containing more than 180 four-choice questions. In order to evaluate, the researcher's designed educational content quality evaluation questionnaire was used. This study was conducted on 70 medical students. The resulting data were analyzed with the help of SPSS 26 software and its strengths and weaknesses were analyzed.

**Results:** The minimum score obtained is 128, which is equivalent to 59.5% of the score, and the maximum score is 215. The average score obtained for the content is 201.44, which is equivalent to 93.7% of the evaluation score, which is a very good score.

**Conclusion:** With the implementation of this plan, we have taken steps to achieve goals such as the production of comprehensive educational content for the ophthalmology courses, easier access to the materials, and the creation of educational multimedia in order to improve the education of the ophthalmology course unit.

**Key words:** Ophthalmology course, content production, multimedia, medical education.