The production of electronic content for oral health education for service providers (parents, teachers and health educators and treatment groups (dentists and dental students and students of other medical sciences))

Abstract

Introduction: Education through mobile applications can be a potential solution to increase oral health knowledge. However, no mobile application has been designed based on the principles of electronic design of applications with educational content for oral health education. Therefore, this study was conducted with the aim of producing electronic content for oral health education for service providers (parents, teachers and health educators) and treatment groups (dentists and students of dentistry and other medical sciences).

Materials and methods: In this study, after reviewing the texts and writing the proposal, the required data from the studies and programs of England, America, WHO and dental reference books of Primary Preventive Dentistry, Ingle's Endodontics, Contemporary Oral and maxillofacial surgery and Summit's Fundamentals of operative dentistry were used to collect educational materials in the form of a mobile application. Then this information was presented to the programming engineer in the form of an educational algorithm to design the application and the alpha version of the application was prepared. In the continuation of the work, with the cooperation of expert professors, the defects of the application were evaluated and fixed, and finally the final version was prepared.

Results: The software was designed in the form of a mobile application including 9 parts: Caries, Toothbrushes and Toothbrushing Methods, Self-Care Adjuncts, Root Canal Treatment, Dental Trauma, Postextraction Patient Managment, Denture Self-care, Implant Self-care and Esthetics. Different parts of the system, including images, text content, categories, educational materials, photos, etc., can all be managed in the admin panel.

Conclusion: Using this application can be useful for groups providing oral and dental health services and creating awareness to maintain oral and dental hygiene and controlling oral and dental hygiene compliance in school and creating motivation to maintain oral health in order to improve public health.

Keywords: Oral Health, Mobile Application, Virtual Education, Dentistry.