The knowledge of general dentists of Zanjan on prophylaxis against Infective Endocarditis for adolescents prior to dental procedures

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Abstract

Background and purpose: Infective endocarditis (IE) is Heart valve and Endothelial Lining Infection that sometimes occurs following dental treatment. In order to prevent this complication, it is recommended to Prescribe Antibiotics for susceptible patients, before some of dental action. Because of the special psycho-somatic situation of adolescents, This study was done in order to determine the awareness level of general dentists about IE Prevention before Dental procedures for adolescents in Zanjan during 2013

Methods: This was a cross-sectional descriptive study carried out on 39 general dentists in the city of zanjan through census sampling method followed by assessing their knowledge using a valid and reliable questionnaire including demographic information, heart disease, dental procedures requiring antibiotic prophylaxis and specific antibiotic regimen for different patients. The participants’ knowledge scores were determined by summing the total questions answered correctly. The data were analyzed in the SPSS ver 18.0 with the use of T-test and ANOVA.

Results: There were %75 male and %25 female. The mean age and their working period was 40.8±7.093 and 11.32±6.84 years respectively. Knowledge level of dentists regarding prophylaxis of Infectious Endocarditis was high (%80.8). No significant differences were noted between both genders in term of their knowledge level.

Conclusion: good knowledge of zanjan dentists, could be due to fulfillment of dentists educational needs in the field of IE. According to psychological conditions in adolescents it is crucial to give them advice in the field of oral and dental health.

Keywords: Endocarditis, Dentists, Antibiotic prophylaxis