

Knowledge, attitude and perception among Egyptian dental undergraduates, postgraduate and interns regard biological hazards and radiologic protection techniques: A questionnaire based cross-sectional study

Eman A. Arnout

Ain- Shams University, Egypt

Background: Dental Imaging has a benefit to the patient; however, it carries a potential harm from being ionizing type of radiation. As the clinical year dental students, interns and dentists will be at risk from radiation hazards during their life, they should have thorough knowledge towards the biological hazards of x-ray and different protection protocols.

Objectives: To assess and compare knowledge, attitude and perceptions (KAP) among Egyptian dental undergraduates, postgraduate and interns towards biological hazards of dental x-ray and appropriate radiographic protection techniques.

Materials& Method: The study participants included 152 subjects. This study was done via an online survey questionnaire were sent by mail. The questions of the questionnaire were divided into three parts, 1st part to classify them into undergraduate dental students, interns & post graduate dentist. The 2nd part of questions was to asses KAP of x-ray biological hazards and the 3rd part of questions was to asses KAP of radiographic protection techniques.

Results: Among 152 participants were answered the Questionnaire. They were classified to 33 Undergraduate, 44 Internships & 75 Postgraduate dentists. Over all correct response was ranged from 18. 2%-97% for the undergraduate dental students, 13. 6- 88. 6 % for the internships & from 21. 6 %- 90. 7% of post graduate dentists. A clear consensus was noticed among interns, Under graduate and postgraduate to almost all questions.

Conclusion: The Knowledge, attitude and perception (KAP) level regard to biological hazards effect of x-ray and different protection protocols were noted to be ranged from low to high in all groups. This outcome necessitates continual teaching to ensure maximum safety.

emanarnooo@gmail.com