

**Ardabil University of medical science**  
**Dentistry School**

**Title:** Degree of awareness of the ardabil general dentists about Laser applications

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**Abstract**

**Introduction:** Today It has a wide range of Laser applications using this technology today encompasses all aspects of life including health, disease diagnosis, and treatment of skin diseases, cancer surgeries, including eye surgery, plastic surgery and ...

The Advantages of laser applications in medical are improve treatment outcomes reduce infection , bloodless surgery , reduces healing time , reduce pain during surgery and the patient drugs mentioned. According to the increasing use of lasers in dentistry, oral lesions, soft tissue and hard tissue surgery, control of bleeding, tooth Restoration, teeth whitening, dental caries detection, sterilization of tooth canal and dental root canal treatment, has been.

The scope of work includes all general dentists and the basic knowledge and familiarity with the use of lasers in dentistry for dentists is essential.

**Aim:** In this survey we want to asses the knowledge of Ardabil general dentists about Laser applications according to their age, sex and date of graduation.

**Results:** Among 87 dentists, 82 persons (94.3%) pointed that only have heard something about Laser and 5 persons (5.7%) claimed that even heard something about that. 21 persons stated that have studies about Laser and 66 persons (75.9%) didn't have any studies about this issue. In addition 2 persons have practical and clinical usage of this method. Among the 87 persons, 60 people had willing to participate in training courses. Also 27 persons (31%) didn't interest to participatating in such courses. According to the statistical analysis of the relationship between gender, dentists and safety awareness ( $p=0.898$ ) there is no significant. difference between Tow genders ( $p=0.002$ ). However There are Significate diffrences between Tow gender groups considering general & specific Knowledge ( $p=0.024$ ,  $p=0.002$ ) according to date of graduation There are no significant differences between Two groups considering Safety specific & general awareness ( $p=0.523$ ,  $p=0.052$ ,  $p=0.134$ )

**Conclusion:** The study results indicate very low awareness of dentists about Laser and this is necessary to inform dentists in different methods about Laser applications.

**Key words:** awareness, general dentists, Laser