



Dr Alirez Mirzaei D.D.S ,MS,LSO
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A- Educational background and skill

2-1:High Scholl graduation :1994

2-2:Doctrate degree in dentistry:2002

2-2-1: On the defense of the thesis of General Dentistry: June 2002 with A+ degree under Guidance Proff ,Dr GHolamhosein ramezani themed Assessment of two Mouthwash ,Chlorhexidine and matika in advantages and disanvantages.

2-3Master of science in laser in dentistry,RWTH Aachen university,2009-2015

2-3-1: On the defense of the thesis of Master of Science in laser: September 2015 with A degree ,under guidance Proff,Dr Norbert Gutknecht,themed Assessment of Smear layer removal ability of Er,Cr:YSGG laser in drilled implant holes With different settings: a pilot study

2-4:Certifeid trainer in WCLI(World clinical in laser institute)USA from 2013 to now

2-5:Certifeid trainer in Waled (World academy in laser education and research)from 2015 till now.

B-Workshops as Tutor:

3-1: *Erbium laser application in Periodontal diseases , Iranian general dentist Association congress ,Isfahan Iran.2016*

3-2: *Erbium laser application in closed esthetic crown lengthening ,International congress of periodontology ,Tehran ,Iran 2017*

3-3: *One day workshop ,diode lasers application ,Mastership/fellowship courses of RWTH Aachen university held in Iran from 2013 till now*

3-4: *days workshop ,Erbium lasers application ,Mastership/fellowship courses of RWTH Aachen university held in Iran from 2013 till now.*

3-5: *days workshop in diode lasers application, in WCLI(World clinical in laser institute)USA from 2013 to now*

3-6 *days in diode lasers application Waled (World academy in laser education and research)from 2015 till now.*

3-7: *Tutor of Iranian general dentist Association 2013-2015*

C-Academic training records

4-1: *Laser research center of Hamadan Medical Science University, 2015 till now*

4-2: *laser research center of Azad Tehran dental faculty, 2016 till now*

4-3: *Advisor and member of Laser research center of Hamadan Medical Science University, 2015 till now*

4-4: *Advisor and member of Laser research center of Azad Tehran dental faculty, 2016 till now*

4-5 : *Supervisor of master and general Thesis as below:*

4-5-1- The effect of low-level 810 & 940 nm diode laser radiation with different energy densities on survival and proliferation of human gingival fibroblasts

4-5-2- The effect of combination 940 nm diode laser and scaling treatment, against scaling alone on improving the microbiological parameters of periodontal.

4-5-3- The effect of etching duration of Er,Cr:YSGG laser on dentin morphology; an in-vitro study.

4-5-4- The effect of different types of diode lasers with different fiber diameters on tissue thermal changes in laboratory environment.

4-5-5- A comparison of intra-articular triamcinolone injection and 940 nm diode laser radiation efficacy on symptom improvement in patients with temporomandibular joint disorder.

4-5-6- The effect of 940 nm diode laser radiation in different powers on colony formation of Candida Albicans.

4-5-7- Comparison of tissue thermal changes of the three types of diode laser radiation (810, 940 and 980 nm) in laboratory environment.

4-5-8- The effect of Er, Cr: YSGG laser on composite to dentin micro-tensile bond strength by applying self-etch adhesive bonding system and universal adhesive bonding system; an in vitro study.

4-5-9- Assessment of effect of Photodynamic therapy with 810 and 940 nm laser on herpes simplex virus type 1, laboratory study

D:Research activities

5-1Articles published in prestigious international magazines:

5-1-1*Comparison of serum folic acid level in oral lichen planus patients and healthy subjects*

Mirzaie AR1 , Hashemi M2 ,Barzegari M3 , Azizi A4* 1 Dentist , member of dental laser research center of Hamedan university 2 Dentist 3 Assistant Professor of dermatology, Tehran university of Medical Sciences,Tehran, Iran. 4 Professor ,Oral Medicine Dept,Islamic Azad University, Tehran Dental Branch,Tehran,

5-1-2. Fallah A, Mirzaei A, Gutknecht N, Demneh AS. Clinical effectiveness of low-level laser treatment on peripheral somatosensory neuropathy. *Lasers in medical science.* 2017;32(3):721-728.

5-1-3. Sadeghi R, Semyari H, Mirzaei A, Sheikhezhad H, Shanei F, Zohri Z. The effects of diode laser as an adjunct to scaling and root planing on treatment of chronic periodontitis: a review of the literature. *J Res Dentomaxillofac Sci.* 2017; 2 (2) :8-15

5-2:*Lectures at the International Congress*

5-2-1 *Accepted article in WFLD 17th . Aachen Germany about low level laser therapy*

5-2-1-WALED and DGL congress in Berlin 2015 about 3rd. Conference in Berlin, 26-28 November, Berlin:

Assessment of Smear Layer Removal Ability of Er,Cr:YSGG Laser in Drilled Implant Holes with Different Settings: a pilot study.

5-2-2- 5th WALED congress 22-23 September, Thessaloniki – Greece; Effects of 940 nm laser diode associated with scaling treatment compared with scaling alone on improving the microbiological parameters of periodontal health assessment

5-2-3- 7th international congress of Iranian general dentist Association August 2017 ,Tehran: Use of different wavelength lasers in priimplantitis treatment

5-2-4-17th international congress of periodontology in Iran Oct 2017,Tehran: Live surgery (Live crown lengthening) with Er,Cr:YSGG

5-3 : Published books

5-3-1:translation of “Principles of Medical and Dental Lasers” by Dr Rene Franzen

5-3-2:translation of “lasers in restorative dentistry “by Giovanni olive.

E:Career and executive positions

6-1: *The Director of the dental clinic, Ministry of science and research and technology, 2009-2011*

6-2: *The director of Labkhand dental clinic, Amol, Iran 2017 till now*

6-3: *Co-worker and spokesperson for laser section from Aachen University, in Iran*

6-4:*certified trainer at World clinical in laser institute (USA) in Iran*

6-5:*Certified trainer at World academy in laser education and research in dentistry in Iran*

6-6: *member of laser research center of Hamadan medical science university 2016 till now*