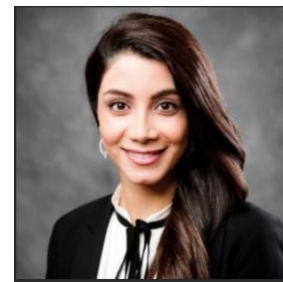


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## EDUCATION

<b>Diplomate, American Board of Endodontics</b>	2020
Advanced Education of Endodontics residency program University at Buffalo, The State University of New York, NY, USA	2016-2018
Advanced Education of Endodontics certificate with Master of Sciences (MSc) Isfahan University of Medical Sciences, Isfahan, Iran	2008-2011
Thesis title: ‘Effect of simvastatin on kinetics of osteoprotegrin/receptor activator nuclear kappa B Ligand mRNA expression in periapical lesions.’	
Doctor of Dental surgery (DDS) Isfahan University of Medical Sciences, Isfahan, Iran	2002-2008
Thesis title: ‘Effect of Elaeagnus Angustifolia, Pomegranate and Perssimon lozenge on gag reflex in dental patients’	

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## WORK EXPERIENCE

Part time/Full time private practice	2021-Present
Assistant professor of Endodontics Endodontics division, Preventive & Restorative Dental Science, University of California, San Francisco, CA, USA	2018-2021
Assistant professor of Endodontics Endodontics department dental school, Isfahan University of Medical Sciences, Isfahan, Iran	2011-2016
Editorial Board, Associate Editor, Section editor of Dental Research Journal Torabinejad Dental Research Center, Isfahan University of Medical Sciences, Isfahan, Iran	2011-2016
Researcher at Torabinejad Research Center Isfahan University of Medical Sciences, Isfahan, Iran	2011-2016
Researcher at Stem Cell Research Center Isfahan University of Medical Sciences, Isfahan, Iran	2011-2016
Researcher at Dental Material Research Center Isfahan University of Medical Sciences, Isfahan, Iran	2013-2016
Endodontist	2011-2016

1. Private practice at Eskan Building, 4<sup>th</sup> floor, chaharbagh Bala St., Isfahan, Isfahan, Iran
  2. Afzal Dental Clinic at Soroush St, Ahmad Abad Squire, Isfahan, Isfahan, Iran
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## LICENSURE

California dental license

<b>License Number:</b>	103356	<b>Profession:</b>	Dentistry	<b>License Type:</b>	Dentist
<b>Issue Date:</b>	11/02/2018	<b>Expiration Date:</b>	3/31/2024	<b>License Status:</b>	Current Active

Virginia dental license

<b>License Number:</b>	0401416253	<b>Profession:</b>	Dentistry	<b>License Type:</b>	Dentist
<b>Issue Date:</b>	7/30/2018	<b>Expiration Date:</b>	3/31/2023	<b>License Status:</b>	Current Active

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## HONORS OR AWARDS

- American Association of Endodontics Award for top ten Oral Presentation. New Orleans 2017
  - Iranian Association of Endodontics Award for First Place Poster Presentation, Tehran, Iran 2013
  - Best Endodontist of the Year 2012
  - Rank #1 of Iranian National Endodontics Board Examination 2011
  - Rank #1 of Undergraduate Student's Challenge in 11th Annual International Congress of Endodontists, Tehran, Iran 2008
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## PATENTS

1. Patent: Issue number: #87785, Issued date: Jan 23, 2016 #139350140003012481  
Design and Prototype Model of a Novel Spring-like Instrument Removal System for Endodontic Purposes  
International Classification A61C; A61K  
<http://ip.ssaa.ir/Patent>
  2. Patent: Issue number: #88154 Issued date: March 06, 2016 #139350140003012166  
Alligator-like Forceps as an Instrument Removal System for Broken Dental File in Root Canal.  
International classification A61C  
<http://ip.ssaa.ir/Patent/Search.aspx>
- 

## PUBLICATIONSp

### Published articles

1. Behnaz Barakatein, Alireza Farhad, Elham Shadmehr, Hamidreza Mohammad Sharifi, Masoud Mohammadi Hamidreza Mohamad Sharif, Amin Davoudi. Cytotoxicity of two different intercanal medicaments on human gingival fibroblasts - A Laboratory study Endodontology, 2022

2. Amin Davoudi, Elham Shadmehr, Melika Savoj, Mehrdad Akhavan-Khaleghi, Mahtab Tabesh, Mehrnaz Zakizade, Behnaz Ebadian. Laser Treatment of Fiber Post and Final Push-Out Bond Strength: A Systematic Review and Meta-Analysis. *Photobiomodulation, Photomedicine, and Laser Surgery* 2021
3. Elham Shadmehr, Nima D Sarmast, Amin Davoudi, Yoo J Chung, Howard H Wang. The additive effect of clonidine to lidocaine on postoperative pain management after root canal treatment on mandibular molars with symptomatic irreversible pulpitis: A prospective randomised double-blind clinical trial. *Journal of Conservative Dentistry: JCD* 2021
4. Elham Shadmehr, Masoud Saatchi, Nima Damoon Sarmast, Shervin Bagherieh, Amin Davoudi Effect of Phentolamine as Reversal of Soft-Tissue Anesthesia on Post-Endodontic Pain in Patients with Symptomatic Irreversible Pulpitis: A Randomized Clinical Trial. *Iranian Endodontic Journal* 2019
5. E Shadmehr, A Davoudi, ND Sarmast, M Saatchi [Evaluation of antimicrobial efficacy of calcium hypochlorite as an endodontic irrigant on a mixed-culture biofilm: an ex vivo study.](#) *Iranian Endodontic Journal*, 2019
6. Ghazalgoo A, Saatchi M, Khazaei S, **Shadmehr E**. The Effect of Using Articaine Versus Lidocaine for Inferior Alveolar Nerve Block on Pain After Root Canal Treatment: A Prospective, Randomized Clinical Study. *Dent Hypotheses* 2018;9:80-3.
7. Wang HH, Sarmast ND, **Shadmehr E**, Angelov N, Shabahang S, Torabinejad M. Application of Enamel Matrix Derivative (Emdogain) in Endodontic Therapy: A Comprehensive Literature Review. *J Endod.* 2018 Jul;44(7):1066-1079.
8. Ali Akhavan, Peter Parashos, Sayed Mohammad Razavi, Amin Davoudi, **Elham Shadmehr**. Hard tissue reaction to mineral trioxide aggregate and experimental root-end filling material in guinea pig mandibles *Journal of Dental Sciences.* 2017; 12 (2): 107-111
9. **Shadmehr E**, Aminozarbani MG, Akhavan A, Mahdavian P, Davoudi A. Anaesthetic efficacy of lidocaine/clonidine for inferior alveolar nerve block in patients with irreversible pulpitis. *Int Endod J.* 2016 May 13.
10. Davoudi A, Rismanchian M, Akhavan A, Nosouhian S, Bajoghli F, Haghghat A, Arbabzadeh F, Samimi P, Fiez A, **Shadmehr E**, Tabari K, Jahadi S. A brief review on the efficacy of different possible and nonpharmacological techniques in eliminating discomfort of local anesthesia injection during dental procedures. *Anesth Essays Res.* 2016 Jan-Apr;10(1):13-6
11. **Shadmehr E**, Khademi A. Effect of simvastatin on kinetics of osteoprotegerin/receptor activator nuclear kappa B Ligand mRNA expression in periapical lesions. *Int Endod J.* 2013
12. Khademi A, **Shadmehr E**, Ajami M, Rismanchian M, Razavi SM. Histologic and histomorphometric assessment of implants and periapical tissues when placed in the sockets of extracted teeth, teeth with periapical lesions, and healed lesions: a canine study. *J Oral Implantol.* 2013;39(6):709-13.
13. Birang R, Shahaboui M, Kiani S, **Shadmehr E**, Naghsh N. Effect of Nonsurgical Periodontal Treatment Combined With Diode Laser or Photodynamic Therapy on Chronic Periodontitis: A Randomized Controlled Split-Mouth Clinical Trial. *J Lasers Med Sci.* 2015 Summer;6(3):112-9.

14. Nosouhian S, Haghighat A, Mohammadi I, **Shadmehr E**, Davoudi A, Badrian H. Temporomandibular Joint Hypermobility Manifestation Based on Clinical Observations. *J Int Oral Health*. 2015 Aug;7(8):1-4.
15. Nosouhian S, Rismanchian M, Sabzian R, **Shadmehr E**, Badrian H, Davoudi A. A Mini-review on the Effect of Mini-implants on Contemporary Orthodontic Science. *J Int Oral Health*. 2015;7(Suppl 1):83-7.
16. Davoudi A, Haghighat A, Rybalov O, **Shadmehr E**, Hatami A. Investigating activity of masticatory muscles in patients with hypermobile temporomandibular joints by using EMG. *J Clin Exp Dent*. 2015 Apr 1;7(2): e310-5.
17. **Shadmehr E**, Shekarchizade N, Endodontic periapical lesion-induced mental nerve paresthesia: A case report. *Dent Res J*. 2015 mar-apr;12(2):192-6
18. **Shadmehr E**, Kiaani S, Mahdavian P. Nonsurgical endodontic treatment of a maxillary lateral incisor with dens invaginatus type II: A case report. *Dent Res J(Isfahan)*. 2015 mar-apr;12(2):187-91
19. Khademi AA, Amini K, Ghodsian B, Mousavi Zahed SM, Teymori F, **Shadmehr E**. Removal efficacy of calcium hydroxide intracanal medicament with RinsEndo system in comparison with passive ultrasonic irrigation, an in-vitro study. *Dent Res J*. 2015, 12(2): 157-60
20. Rismanchian M, Davoudi A, **Shadmehr E**. Effect of using nano and micro airborne abrasive particles on bond strength of implant abutment to prosthesis. *Braz Dent J*. 2015 Jan-Feb;26(1):50-5
21. Razavian H, Barekatin B, **Shadmehr E**, Khatami M, Bagheri F, Heidari F. Bacterial leakage in root canals filled with resin-based and mineral trioxide aggregate-based sealers. *Dent Res J (Isfahan)*. 2014 Sep;11(5):599-603.
22. Saatchi M, **Shadmehr E**, Talebi SM, Nazeri M. A Prospective Clinical Study on Blood Mercury Levels Following Endodontic Root- end Surgery with Amalgam. *Iran Endod J*. 2013 ;8(3):85-8.
23. Barekatin B, Hasheminia SM, **Shadmehr E**, Attary Z. The effect of calcium hydroxide placement on pH and calcium concentration in periapical environment: an in vitro study. *Indian J Dent Res*. 2012 ;23(2):226-94.
24. **Shadmehr E**, Farhad AR. Clinical management of dens invaginatus type 3: a case report. *Iran Endod J*. 2011 Summer;6(3):129-32
25. Khademi A, **Shadmehr E**, Khademi N. Effect of tooth length on failure rate of anesthesia in first and second mandibular molars. *J Isfahan Dent Sch* 2015;11(1):24-32
26. **Shadmehr E**, Jenabi Dehkordi N. A Review on Regenerative Endodontics. *JIDA summer2014*;26(2): 116-126
27. Khademi A, Khademi N, **Shadmehr E**. A review of new techniques for the management of avulsed teeth. *J Isfahan Dent Sch* 2013; 9(4): 369-77.
28. Hekmatian E, **Shadmehr E**, Asghari GR, Effect of *Elaeagnus Angustifolia* lozenge on gag reflex in dental patients. *JIDAI, Spring* 2012;24(1): 43-47.

29. Hekmatian E, **Shadmehr E**, Asghari GR. Effect of pomegranate peel extract lozenge on gag reflex in dental patients. *Journal of Isfahan Dental School* 2011; 7(3): 229-235
30. **Shadmehr E**, Hekmatian E, Asghari GR. Effect of Dyspyros Kaki L. lozenge on gag reflex in dental patients *Journal of Herbal Drugs*, 2011;1(4):1-6
31. Farhad AR, Havai A, Khajeali N, Karimi F, **Shadmehr E**. Sealing ability assessment of pure ZOE, Roth 801and AH26 sealers in the presence versus absence of smear layer. *Journal of Isfahan Dental School* 2010; (6) 4.259-268.
32. Khademi AA, **Shadmehr E**, Hashemi M, Barekatin B, Khoroshi M. A Review on New Clinical Applications of MTA. *Journal of Isfahan Dental School* 2010; 6(1): 58-82.
33. **Shadmehr Elham**, Doosti Pardis, Hekmatian Ehsan, Hasheminia Seyed Mohsen. Evaluation of the distance between the root apices of mandibular first and second premolars and first molars and the mental foramen using cone beam computer tomography. *Journal of Isfahan Dental School* 2016; 12(4): 428-36.
34. **Shadmehr E**, Hashemi A, Hasheminia SM. Evaluation of the effect of tannic acid patch on gag reflex in the areas of soft palate and tonsils. *Journal of Isfahan Dental School* 2016; 12(1): 27-32.
35. Daneshkazemi A, **Shadmehr E**, Davoudi A, Badrian H, Mokhtari F. One Visit Endodontic Retreatment with the Aid of Photodynamic Therapy: A Case Report. *Journal of International Oral Health* 2016; 8(3):389-391

#### Published books

1. Regenerative Approaches in Dentistry: An Evidence-Based Perspective 2021. Omid Dianat, Elham Shadmehr, Yoo Jung Chung. Springer International Publishing
2. Hoseinian SM, Shadmehr E, DDQ of Torabinejad principles of Endodontics treatment
3. Shadmehr E, Alavi Nejad P, Baghai B. CDR Ingle's Endodontics 2008



#### REVIEWER:

1. International Endodontic Journal (2017-present)

2. Journal of Oral and Facial Pain and Headache (2017-present)
  3. Journal of Esthetic and Restorative Dentistry (2016-present)
  4. Dental Research Journal (Isfahan) (2011-present)
  5. Iranian Endodontic Journal (2010-present)
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## PRESENTATIONS

1. Oral presentation at American Association of Endodontists, Denver, USA 2018
  2. Oral presentation at American Association of Endodontists, New Orleans, USA 2017
  3. Effect of oral clonidine on postoperative pain after single-visit root canal treatment in teeth with irreversible pulpitis; Poster presentation in the First Symposium of Iranian Association of Endodontists in Tehran, Iran. 10-11 oct, 2013
  4. Poster presentation in the 4<sup>th</sup> Congress of Iranian Association of Oral and Maxillofacial Radiology, Isfahan, Iran. 2012
  5. Poster presentation in Asian Pacific Endodontics Confederation, 16<sup>th</sup> scientific meeting of APEC and 14<sup>th</sup> annual congress of IAE, Shiraz, Iran. 20-22 April 2011
  6. Oral presentation in 14<sup>th</sup> Annual Meeting of Iranian Association of Endodontists in Isfahan, Iran. 2011
  7. Poster presentation in the 13<sup>th</sup> Annual Congress of Iranian Association of Endodontists in Mashhad, Iran. 28-30 July 2010
  8. Oral presentation in 12<sup>th</sup> Annual Meeting of Iranian Association of Endodontists in Tehran, Iran. 2009
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## MEMBERSHIPS

American Association of Endodontists  
American Dental Association  
California Dental Association  
San Francisco Dental Society  
American Academy of Regenerative Medicine  
American Dental Society of Anesthesiology  
Stem Cell Committee of Isfahan University of Medical Sciences  
American Association of women dentists  
Iranian Association of Endodontists  
Torabinejad Research Center  
Dental Material Research Center  
Member of Scientific Committee of 16<sup>th</sup> International Congress of Iranian Association of Endodontists 2014

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**OTHER SKILLS:** Piano playing, Swimming 1<sup>st</sup> medal in Isfahan province, 1996.

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