

# Curriculum Vitae

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**ALIREZA FARHAD, D.M.D, MSc**

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## **PERSONAL INFORMATION**

**Date of Birth: August 15, 1965**

**Sex: Male**

**Place of Birth: Isfahan, Iran**

**Marital Status: Married**

## **EDUCATION**

**PRE-DENTAL 1988**

**University of Tennessee- Knoxville, Tennessee, U.S.A**

**D.M.D 1988-1992**

**Temple University Dental School- Philadelphia, Pennsylvania, U.S.A**

**ENDODONTIC SPECIALTY 1992-1994**

**Temple University Dental School**

**Graduate Program-Philadelphia, Pennsylvania, U.S.A**

## **TEACHING AND WORK EXPERIENCE**

**SEPTEMBER 1992 – MAY 1994**

**Clinical Instructor**

**Department of Endodontics**

**Temple University Dental School-Philadelphia, Pennsylvania, U.S.A**

**FEBUARY 1995 – NOVEMBER 2005**

**Assistant Professor**

**Department of Endodontics**

**Isfahan University Dental School- Isfahan, IRAN**

**JANUARY 1998 – JULY 2000**  
**Director, Endodontic postgraduate program**  
**Department of Endodontics**  
**Isfahan University Dental School-Isfahan, IRAN**

**JULY 2000 – SEPTEMBER 2002**  
**Chairman, Department of Endodontics**  
**Isfahan University Dental School-Isfahan, IRAN**

**JANUARY 2003 – OCTOBER 2007**  
**Editor in Chief**  
**Dental Research Journal**  
**Torabinejad Research Center**  
**Isfahan University Dental School-Isfahan, IRAN**

**JANUARY 2004 – PRESENT**  
**Director, Endodontic postgraduate program**  
**Department of Endodontics**  
**Isfahan University Dental School-Isfahan, IRAN**

**NOVEMBER 2005- SEPTEMBER 2012**  
**Associate Professor**  
**Department of Endodontics**  
**Isfahan University Dental School-Isfahan, IRAN**

**SEPTEMBER 2012- PRESENT**  
**Professor**  
**Department of Endodontics**  
**Isfahan University Dental School-Isfahan, IRAN**

**MARCH 2013 – FEBRUARY 2015**  
**Editor in Chief**  
**Dental Research Journal**  
**Torabinejad Research Center**  
**Isfahan University Dental School-Isfahan, IRAN**

**JANUARY 2003 – PRESENT**  
**Editorial Board**  
**Dental Research Journal**  
**Torabinejad Research Center**  
**Isfahan University Dental School-Isfahan, IRAN**

## **PROFESSIONAL MEMBERSHIPS**

**American Association of Endodontists-International Member- U.S.A**

**Iranian Association of Endodontists**

**Academy of Persian Physicians**

## **RESEARCH INTERESTS**

**Periapical Healing**

**Regeneration in Endodontics**

## **TEACHING INTERESTS**

**Endodontics**

## **HONORS**

**Golden Key National Honor Society – 1992 - U.S.A**

**Omicron Kappa Upsilon Honorary Dental Society – 1992 - U.S.A**

**Dean's List – Temple University Dental School – 1992 - U.S.A**

**Dentsply International Merit Award - 1992**

**Researcher of the year award 2008 - Isfahan University Dental School - IRAN**

## **PUBLICATIONS**

***Microleakage of five separated nickel- titanium rotary file systems in the apical portion of the root canal***

*Seyed Mohsen Hasheminia, Alireza Farhad, Hamidreza Davoudi, Dorna Sarfaraz  
Dent Res J 2022;19:46*

***Effect of Citric Acid Versus EDTA on Radiographic Root Development in Regenerative Endodontic Treatment: An Animal Study***

*Alireza Farhad, DMD, MS, Masoud Saatchi, DDS, MS, and  
Shervin Bagherieh, DDS, MS  
J Endod 2022; 48: 535-541.*

**The Accuracy of Three Apex Locators in Determining the Location of Strip Root Perforation in Different Environments**

Neda Shekarchizade, Alireza Farhad, Samira Khalifezade  
*Iranian Endodontic Journal* 2021;16(3): 184-188

**Histological assessment of the local effect of different concentrations of aminoguanidine hydrochloride on bone healing in rats**

Farhad AR, Razavi F, Razavi SM, Saatchi M, Manshaei M.  
*Dent Res J* 2021;18:63.

**Cone-beam Computed Tomographic Analysis of Canal Transportation and Centering Ability of Single-file Systems**

Seyed Mohsen Hasheminia, DDS, MS, Alireza Farhad, DMD, MS, Mahnaz Sheikhi, DDS, MS, Parisa Soltani, DDS, Seyedeh Sareh Hendi, DDS, MS, and Masoumeh Ahmadi, DDS, MS  
*J Endod* 2018; 44:1788-1791.

**Effect of intraosseous injection versus inferior alveolar nerve block as primary pulpal anaesthesia of mandibular posterior teeth with symptomatic irreversible pulpitis: a prospective randomized clinical trial**

Alireza Farhad, Hamid Razavian and Maryam Shafiee  
*Acta Odontologica Scandinavica* 2018, VOL. 76, NO. 6, 442–447.

**Comparative evaluation of apical constriction position in incisor and molar teeth: An in vitro study**

Seyed Amir Mousavi, Alireza Farhad, Shirin Shahnasari, Abbas Basiri, Erfan Kolahdouzan  
*Eur J Dent* 2018;12:237-41.

**Effect of Pain Experienced During Previous Endodontic Treatment on Success Rate of Inferior Alveolar Nerve Block in Molars with Symptomatic Pulpitis**

Masoud Saatchi, Naghmeh Shenasa, Seyed Masoud Emami, Ali Reza Farhad  
*J Isfahan Dent Sch* 2018; 13(4): 343-350.

**Selective nitric oxide synthase inhibitor promotes bone healing**

Ali Reza Farhad, Sayed Mohammad Razavi, Ali Reza Rozati, Neda Shekarchizade, Maziar Manshaei  
*Dent Res J* 2017; 14:306-13.

**Evaluation and Comparison of the Position of the Apical Constriction in Single-root and Multiple-root Teeth**

Alireza Farhad, Seyed Amir Mousavi, Shirin Shahnasari, Pedram Iranmanesh, Javad Kafashi

*J Mash Dent Sch* 2017; 41(4): 331-8.

**Effect of Sodium Bicarbonate Buccal Infiltration on the Success of Inferior Alveolar Nerve Block in Mandibular First Molars with Symptomatic Irreversible Pulpitis: A Prospective, Randomized Double-blind Study**

Masoud Saatchi, DDS, MS, Ali Reza Farhad, DDS, MS, Naghmeh Shenasa, DDS, MS, and Saeideh Karimi Haghighi, BS, MS

*J Endod* 2016;42:1458–1461.

**Regeneration or replacement? A case report and review of literature**

Ali Reza Farhad, Ali Shokraneh, Neda Shekarchizade

*Dental Traumatology* 2016; 32: 71–79; doi: 10.1111/edt.12200

**Mechanical or cold lateral compaction: The incidence of dentinal defects**

Seyed Mohsen Hasheminia, Ali Reza Farhad, Masoud Saatchi, Hamidreza Sadegh Nejad, Maryam Sanei

*Dental Research Journal* / November 2015 / Vol 12 / Issue 6.

**Evaluation of pH and calcium ion concentration changes with the use of different calcium hydroxide pastes on external root surface**

Alireza Farhad, Behnaz Barekatain, Hojat Sadeghi, Azadeh Khazaei Zadeh

*J Isfahan Dent Sch* 2015; 11(1): 1-11.

**Influence of tooth length on the accuracy of the Root ZX electronic apical foramen locator: An ex vivo study**

MASOUD SAATCHI, IMAN RAHIMI, ABBASALI KHADEMI, ALI REZA FARHAD, MOHAMMAD HOSSEIN NEKOOOFAR & PAUL MH DUMMER

*Acta Odontologica Scandinavica*. 2015; 73: 101–106.

**In vitro comparison of cytotoxic effect of colchicine and calcium hydroxide on human gingival fibroblast cells**

Behnaz Barekatain, Alireza Farhad, Aida Pedram, Batool Hashemi, Fariba Heidari

*J Isfahan Dent Sch* 2014; 10(3): 191-201.

**Antibacterial effect of triantibiotic mixture versus calcium hydroxide in combination with active agents against *Enterococcus faecalis* biofilm**  
Ali SHOKRANEH, Ali Reza FARHAD, Nastaran FARHADI, Masoud SAATCHI and Seyed Mohsen HASHEMINIA  
*Dental Materials Journal* 2014; 33(6): 733–738.

**Antibacterial effect of triantibiotic mixture, chlorhexidine gel, and two natural materials Propolis and Aloe vera against *Enterococcus faecalis*: An ex vivo study**  
Leila Bazvand, Mohammad Ghasem Aminozarbian, Alireza Farhad, Hamid Noormohammadi, Seyed Mohsen Hasheminia, Sina Mobasherizadeh  
*Dental Research Journal / July 2014 / Vol 11 / Issue 4.*

**Unusual Occurrence of Dentoalveolar Manifestations in a Case with Beta Thalassemia Trait**  
Farhad Alireza, Allameh Maryam  
*Oral Health and Dental Management - Vol. 13 - No. 2 - June, 2014.*

**Synergistic antibacterial activity of chlorhexidine and hydrogen peroxide against *Enterococcus faecalis***  
Seyedmohsen Hasheminia, Ali R. Farhad, Masoud Saatchi, and Morteza Rajabzadeh  
*Journal of Oral Science, Vol. 55, No. 4, 275-280, 2013.*

**The efficacy of *Punica granatum* extract in the management of recurrent aphthous stomatitis**  
Parichehr Ghalayani, Behzad Zolfaghary, Ali Reza Farhad, Atefeh Tavangar, Bahram Soleymani  
*Journal of Research in Pharmacy Practice / Apr-Jun 2013 / Vol 2 / Issue 2.*

**Debris and smear layer removal efficacy and changes in morphology of dentinal tubules after using citric acid, tetracycline-hydrochloride and mixture of tetracycline and acid and detergent**  
Ahmad Moghare Abed, Shirin Zahra Farhad, Alireza Farhad, Mehrdad Barekatin, Morvarid Mafi, Mohammad Shah Abooie  
*Dental Research Journal / Mar 2013 / Vol 10 / Issue 2.*

**Evaluation of the antibacterial effect of calcium hydroxide in combination with three different vehicles: An in vitro study**  
Ali Reza Farhad, Behnaz Barekatin, Maryam Allameh, Tahmineh Narimani  
*Dental Research Journal / Mar 2012 / Vol 9 / Issue 2.*

**Resolution of a Cutaneous Lesion Associated with a Periapical Actinomycosis Following Endodontic Surgery: A Case Report**

Farhad AR., Ajami M., Rastegar Khosravi M.  
Shiraz Univ Dent J 2012; 13(1): 40-43.

**The effect of various concentrations of iodine potassium iodide on the antimicrobial properties of mineral trioxide aggregate – a pilot study**

Masoud Saatchi, Hananeh Sadat Hosseini, Ali Reza Farhad, Tahmineh Narimany  
Dental Traumatology 2012; 28: 474-477; doi: 10.1111/j.1600-9657.2012.01119.x

**Histopathologic evaluation of subcutaneous tissue response to three endodontic sealers in rats**

Ali R. Farhad, Seyedmohsen Hasheminia, Seyedmohammad Razavi and Mostafa Feizi  
Journal of Oral Science, Vol. 53, No. 1, 15-21, 2011.

**Use of aminoguanidine, a selective inducible nitric oxide synthase inhibitor, to evaluate the role of nitric oxide in periapical inflammation**

Ali R. Farhad, Seyedmohammad Razavi, Sanaz Jahadi and Masoud Saatchi  
Journal of Oral Science, Vol. 53, No. 2, 225-230, 2011.

**Clinical Management of Dens Invaginatus Type 3: A Case Report**

Elham Shadmehr DDS, Ali Reza Farhad DMD, MS  
Iranian Endodontic Journal 2011; 6(3):129-132.

**The use of aminoguanidine, a selective inducible nitric oxide synthase inhibitor, to evaluate the role of nitric oxide on periapical healing**

Ali Reza Farhad, Seyed Mohammad Razavi, Parnian Alavi Nejad  
Dental Research Journal / Oct 2011 / Vol 8 / Issue 4.

**Effect of different base materials on clinical and radiographic success rates of vital pulpotomy of primary tooth with ferric sulfate**

Ali Reza Eshghi, Mostafa Rezaeifar, Ali Reza Farhad  
Journal of Isfahan Dental School 2011; 6(5): 448-457.

**Effect of canal irrigation with EDTA and citric acid on microleakage time in human single-rooted teeth with the use of Real-Seal system**

Ali Reza Farhad, Behnaz Barekatin, Zahra Keyvan  
Journal of Isfahan Dental School 2011; 7(2): 163-170.

**SEM evaluation of contamination of dentinal tubules in open apex teeth treated with MTA plug**

Behnaz Barekatein, Ali Reza Farhad, Maryam zolfaghari  
*Journal of Isfahan Dental School* 2011; 7 (4): 388-394.

**In vitro comparison of antimicrobial effects of colchicine and calcium hydroxide on salivary normal flora and five microbial strains**

Behnaz Barekatein, Ali Reza Farhad, Poorandokht Refaei, Fariba Heidari  
*Journal of Isfahan Dental School* 2011; 7 (4): 409-417.

**Comparison of the Effect of Three Root Canal Irrigant Protocols for removing smear layer on the apical microleakage of Tubliseal Sealers**

Farhad AR., Barekatein B., Sadeghi S.  
*Shiraz Univ Dent J* 2010; 11(1).

**Endodontic management of a fused mandibular third molar and distomolar: A case report**

Ali Zeylabi, DDS; Farzaneh Shirani, DDS, MS; Fatemeh Heidari, DDS;  
Ali Reza Farhad, DMD, MS  
*Aust Endod J* 2010; 36: 29–31.

**Sealing ability assessment of pure ZOE, Roth 801 and AH26 sealers in the presence versus absence of smear layer**

Ali Reza Farhad, Asghar Havai, Naierreh Khajeali, Fatemeh Karimi, Elham Shadmehr  
*Journal of Isfahan Dental School* 2010; 6(4): 259-268.

**Evaluation of calcium diffusion and pH of the periradicular environment after applying calcium hydroxide or MTA: an in vitro study**

Farhad A, Barekatein B, Movahedian Attar A, Niknam O, Alavinejad P  
*Journal of Dental Medicine-Tehran University of Medical Sciences* 2010; 23(4):207-214.

**The effect of three different root canal irrigant protocols for removing smear layer on the apical microleakage of AH26 sealer**

Ali Reza Farhad DMD, MS, Behnaz Barekatein DDS, MS, and Ali Reza Koushki DDS  
*Iranian Endodontic Journal* Vol 3 No 3 2008.

**Antibacterial Substantivity of Three Concentrations of Doxycycline on Bovin Root Dentin Infections: An In Vitro Study**

Z.Mohammadi, A.R.Farhad, F.Ezoddini Ardakani  
*Dental Research Journal / 2007 / Vol 4 / Issue 1.*

**Pharmacological Strategies to Control Post-Operative Endodontic Pain**

Zahed Mohammadi, Alireza Farhad, Meisam Khaledi  
*Dental Research Journal / 2007 / Vol 4 / Issue 2.*

**Comparing the Bacterial Leakage in Endodontic Therapy Following Using EDTA as a Irrigation and AH26 or Tubliseal as Sealers**

Farhad AR., Havaie A., Barekatalin B., Narimani T.  
*Journal of Mashhad Dental School, 2007; 31: 83-92.*

**One-visit versus multiple visit endodontic therapy- a review**

Zahed Mohammadi, Alireza Farhad, Mehdi Tabrizizadeh  
*International Dental Journal 2006; 56: 289-293.*

**An in vitro comparison of apical microleakage in two obturation techniques: lateral condensation and one-step**

Farhad AR, Javadi GH  
*Journal of Isfahan Dental School 2006; 2(1): 39-45.*

**Calcium hydroxide: a review**

Alireza Farhad and Zahed Mohammadi  
*International Dental Journal 2005; 55: 293-301.*

**Comparison of apical transport in three rotary systems and one modified technique**

A.R.Farhad, H.Bakhtiar  
*Journal of Islamic Dental Association 2005; 17: 30-37.*

**The Effect of Smear Layer on Apical Seal of Endodontically Treated Teeth**

A.Farhad, T.Elahi  
*Journal of Research in Medical Sciences 2004; 9(3): 28-31.*

***PH Changes and Calcium Ion Diffusion from Calcium Hydroxide Intracanal Medication through Root Dentin***

Farhad AR., Khodarahmi GH., Barekatin B.  
*Beheshti Univ. Dent. J.* 2003; 21(3): 374-382.

***Sealing ability of pure ZOE, Roth 801 and AH26 sealers in the presence or absence of smear layer***

Farhad AR, Havaei A, Khajali N, Karimi F, Poorsina F.  
*Journal of Research in Medical Sciences* 2002; 7(3): 223-227.

***The Bacteriologic Evaluation of Antibacterial Effect of Normal Saline, 5.25% and 0.5% Sodium Hypochlorite, and Calcium Hydroxide***

Farhad AR, Havaei A, Farhad SZ, Poursina F.  
*Journal of Research in Medical Sciences* 2000; 5(3): 245-249.

***Comparing the Sealing Ability of three Retrofilling Materials in Dry, Saliva-Contaminated, and Blood-Contaminated Conditions***

Farhad AR, Roghani N, Tabatabai M.  
*Journal of Research in Medical Sciences* 1999; 3(4): 77-82.