



## **VahidZand DDS, MSc**

Date of birth: 06/03/1975

Married and I have a 6 years old daughter

I have worked as a university professor:2003 until now

**Professor of Endodontics**

**Department of Endodontics**

**Dental school,**

**Tabriz University of Medical Sciences**

**5166614711, Tabriz/Iran**

**Phone: University: 0098(411)3355965-9**

**Fax: 00984113346977**

**Private Office: 0098(411)5568529**

**Cell phone: 00989141613486**

**E-mail: vahid.zand@gmail.com**

**Last update: 2018**

## **Academic & administrative position**

### **Current positions**

Professor of Endodontics, Dental School, Tabriz University of Medical Sciences

Director of postgraduate endodontic program

### **Previous positions**

Chief of endodontic department of Tabriz dental school(2011-2013)

Director of postgraduate endodontic program(2009-2011)

Director of undergraduate of endodontic department(2007-2009)

### **Educational background**

1998- DMD, Shahidbabai University of Medical Sciences, Ghazvin, Iran

2003- MSc in Endodontics, Mashad University of Medical Sciences, Mashad, Iran

### **Research interests**

Biomaterial

Root canal irrigation solution

Working length determination

### **Publication:**

1-Vahid Zanda, Amin Salem Milania , Hamid Reza Yavari a , Ali Reza Majidi a

**The Effects of Different Agitation Techniques of Canal Irrigant on Tubular Penetration of a Bioceramic Sealer**

*IEJ Iranian Endodontic Journal* 2019;14(4): 289-295

2-Milani AS<sup>1</sup>, Froughreyhani M<sup>2</sup>, Rahimi S<sup>3</sup>, Zand V<sup>2</sup>, Jafarabadi MA<sup>4</sup>. **Volume of Anesthetic Agents and IANB Success: A Systematic Review.**

*AnesthProg.* Spring 2018;65(1):16-23. doi: 10.2344/anpr-65-01-03.

3-Zand V, Mokhtari H, ReyhaniMF, Nahavandizadeh N, Azimi S.

Smear layer removal evaluation of different protocol of Bio Race file and XP- endo Finisher file

in corporation with EDTA 17% and NaOCl'

J Clin Exp Dent 2017

4-Comparison of the Penetration Depth of Conventional and Nano-Particle Calcium Hydroxide into Dentinal Tubules

3-VahidZanda, MehrdadLotfia, Mohammad HoseinSoroushb, Amir ArdalanAbdollahic\*, Mehdi Sadeghid,  
Iran Endod J.2017

Ali Mojadadia

5-Zand V ,Lotfi M, Soroush MH, Abdollahi AA, Sadeghi M, Mmojadadi A

Antibacterial Efficacy of Different Concentrations of Sodium Hypochlorite Gel and Solution on *Enterococcus faecalis* Biofilm.

Iran Endod J.2016

6-Zand V, MokhtariH,ZonouziHR,Shojaei SN

Root Canal Morphologies of Mesio Buccal Roots of Maxillary Molars using Cone beam Computed Tomography and Periapical Radiographic Techniques in an Iranian Population.

J contemp Dent Pract.2017

7-VahidZand, Saeed Rahimi, PariaDavoudi, AbubakrAfshang  
Accuracy of Working Length Determination using NovApex and Root-ZX Apex Locators: An in vitro Study.

8-Milani AS, ZAndv,Abdollahi AA, FroughreyhaniM,Zakeri-Milani,Jafarabadi MA

Effect of Topical Anesthesia with Lidocaine-prilocaine (EMLA) Cream and Local Pressure on Pain during Infiltration Injection for Maxillary Canines: A Randomized Double-blind clinical trial.

9-VahidZanda, Amin Salem Milania, Ayla HassaniDehkharghania\*, Mahdi Rahbarb,  
PardisTehranchib

Treatment of Necrotic Teeth Using Two Engine-Driven Systems and Patient's Postoperative Pain: A Double-Blind Clinical Trial.

10-VahidZanda, MehrdadLotfib, AmiralaAghbalic, Mehran Mesgariabbasid, Maryam Janani e\*,

HadiMokhtarie, PardisTehranchif, Seyyed Mahdi VahidPakdelg

Tissue Reaction and Biocompatibility of Implanted Mineral Trioxide Aggregate with Silver Nanoparticles in a Rat Model.

11-Ebrahimi Chaharom ME<sup>1</sup>, Ajami AA<sup>2</sup>, Abed Kahnamouei M<sup>3</sup>, JafariNavimipour E<sup>3</sup>, Tehranchi P<sup>4</sup>, Zand V<sup>5</sup>, Sadeghi MR<sup>6</sup>, Sohrabi A<sup>7</sup>

Antibacterial Effect of All-in-one Self-etch Adhesives on Enterococcus faecalis.

J Dent Res Dent Clin Dent Prospects. 2014 Fall;8(4):225-9.

12-Ghasemi N<sup>1</sup>, Rahimi S<sup>2</sup>, Lotfi M<sup>3</sup>, Solaimanirad J<sup>4</sup>, Shahi S<sup>2</sup>, Shafaie H<sup>4</sup>, Salem Milani A<sup>2</sup>, Shakuie S<sup>1</sup>, Zand V<sup>1</sup>, Abdolrahimi M<sup>2</sup>.

Effect of Mineral Trioxide Aggregate, Calcium-Enriched Mixture Cement and Mineral Trioxide Aggregate with Disodium Hydrogen Phosphate on BMP-2 Production.

Iran Endod J. 2014 Summer;9(3):220-4. Epub 2014 Jul 5.

13-Mokhtari H<sup>1</sup>, Niknami M<sup>2</sup>, Sohrabi A<sup>3</sup>, Habibivand E<sup>1</sup>, MokhtariZonouzi HR<sup>1</sup>, Rahimi S<sup>1</sup>, Zand V<sup>4</sup>

Cone-Beam Computed Tomography Comparison of Canal Transportation after Preparation with BioRaCe and Mtwo Rotary Instruments and Hand K-Flexofiles.

Iran Endod J. 2014 Summer;9(3):180-4. Epub 2014 Jul 5.

14-Zand V<sup>1</sup>, Mokhtari H<sup>1</sup>, Lotfi M<sup>2</sup>, Rahimi S<sup>1</sup>, Sohrabi A<sup>3</sup>, BadamchiZadeh S<sup>4</sup>, MojaverKahnamooie H<sup>5</sup>, Tehranchi P

A scanning electron microscope study on the effect of an experimental irrigation solution on smear layer removal. Iran Endod J. 2014 Spring;9(2):131-6. Epub 2014 Mar 8.

15-Lotfi M<sup>1</sup>, Ghasemi N<sup>2</sup>, Rahimi S<sup>2</sup>, Bahari M<sup>3</sup>, Vosoughhosseini S<sup>4</sup>, Saghiri MA<sup>5</sup>, Zand V<sup>2</sup>.

Effect of smear layer on the push-out bond strength of two endodontic biomaterials to radicular dentin.

Iran Endod J. 2014 Winter;9(1):41-4. Epub 2013 Dec 24.

16-Zand V<sup>1</sup>, Milani AS, Amini M, Barhaghi MH, Lotfi M, Rikhtegaran S, Sohrabi A.

Antimicrobial Efficacy of Photodynamic Therapy and Sodium Hypochlorite on Monoculture Biofilms of Enterococcus faecalis at Different Stages of Development. Photomed Laser Surg. 2013 Dec 5. [Epub

ahead of print]

17-Mokhtari H, Niknami M, Zand V. Managing a mandibular second premolar with three-canal and taurodontism: a case report. *Iran Endod J.* 2013 Winter;8(1):25-8. Epub 2013 Jan 20.

18--Lotfi M, Moghaddam N, Vosoughhosseini S, Zand V, Saghiri MA. Effect of Duration of Irrigation with Sodium Hypochlorite in Clinical Protocol of MTAD on Removal of Smear Layer and Creating Dentinal Erosion. *J Dent Res Dent Clin Dent Prospects.* 2012 Summer;6(3):79-84. Epub 2012 Sep 1\

19-Lotfi M, Vosoughhosseini S, Saghiri MA, Zand V, Ranjkesh B, Ghasemi N. Effect of MTAD as a final rinse on removal of smear layer in ten-minute preparation time. *J Endod.* 2012 Oct;38(10):1391-4. doi: 10.1016/j.joen.2012.06.027. Epub 2012 Jul 25

20-Lotfi M, Vosoughhosseini S, Saghiri MA, Rahimi S, Zand V, Reyhani MF, Samiei M, Ghasemi N, Mehrvarzfar P, Azimi S, Shokohinejad N. Effect of Synthetic Tissue Fluid on Microleakage of Grey and White Mineral Trioxide Aggregate as Root-End Filling Materials: An in vitro study. *Sultan Qaboos Univ Med J.* 2012 Aug;12(3):323-9. Epub 2012 Jul 15

21-Vosoughhosseini S, Lotfi M, Moradzadeh M, Aghbali A, Rahimi S, Saghiri M, Zand V, Mehdipour M, Ranjkesh B, Doosti S. Comparison of two histopathologic methods for evaluating subcutaneous reaction to mineral trioxide aggregate. *Med Oral Patol Oral Cir Bucal.* 2012 Jan 1;17(1):e41-4.

22-Zand V, Salem-Milani A, Shahi S, Akhi MT, Vazifekhah S. Efficacy of different concentrations of sodium hypochlorite and chlorhexidine in disinfection of contaminated Resilon cones. *Med Oral Patol Oral Cir Bucal.* 2012 Mar 1;17(2):e352-5.

23-Lotfi M, Vosoughhosseini S, Saghiri M, Zand V, Yavari HR, Kimyai S, Mehdipour M, Ranjkesh B, Mokhtari H, Salemmilani A, Doosti S. Effect of alkaline pH on sealing ability of white mineral trioxide aggregate. *Med Oral Patol Oral Cir Bucal.* 2011 Nov 1;16(7):e1014-6.

24-Vosoughhosseini S, Lotfi M, Shahmoradi K, Saghiri MA, Zand V, Mehdipour M, Ranjkesh B, Mokhtari H, Salemmilani A, Doosti S. Microleakage comparison of glass-ionomer and white mineral trioxide aggregate used as a coronal barrier in nonvital bleaching. *Med Oral Patol Oral Cir Bucal.* 2011 Nov 1;16(7):e1017-21.

25-Maryam Janani, Saeed Rahimi, Shahriar Shahi, Amirala Aghbali, Vahid Zand

Endodontic treatment of a hypertaurodont mandibular second molar: A case report. *Iranian Endodontic Journal*, Vol 6, No 3 (2011).133-135

26-lotfi M, Vosoughhoseini S, Ranjkesh B, Khani S, Saghiri S Zand V. Antibacterial efficacy of nanosilver, sodium hypochlorite and chlorhexidine gluconate against *Enterococcus faecalis*. *Journal of Biotechnology* Vol. 10(35), pp. 6799-6803, 13 July, 2011

27- Zand V, Mokhtari H, Lotfi M, Forough Reyhani M, Sohrabi A, Tehrani P, Mokhtari Zenouzi HR. Accuracy of working length determination with root ZX apex locator and radiography: An in vivo and ex vivo study. *African Journal of Biotechnology* Vol. 10(36), pp. 7088-7091, 18 July, 2011

28-Borna Z, Rahimi S, Shahi S, Zand V. Mandibular second premolars with three root canals: a review and 3 case reports. *Iran Endod J.* 2011 Fall;6(4):179-82. Epub 2011 Nov 15.

29- Zand V, Lotfi M, Rahimi S, Mokhtari H, Kazemi A, Sakhamanesh V. A comparative scanning electron microscopic investigation of the smear layer after the use of sodium hypochlorite gel and solution forms as root canal irrigants. *J Endod*2010;36:1234–1237. (Corresponding author).

30- Rahimi S, Yavari HR, Shahi S, Zand V, Shakoui S, ReyhaniMFPirzadeh A, <http://www.ncbi.nlm.nih.gov/pubmed?term=%22Pirzadeh%20A%22%5BAuthor%5D>. Comparison of the effect of Er, Cr-YSGG laser and ultrasonic retrograde root-end cavity preparation on the integrity of root apices. *JOURNAL OF ORAL SCIENCES*, 2010;52(1):77-81

31-saeedrahimi, vahidzand, shahriarshahi, saharshakoui, mohammadforoghrehani, mohhammadmohammadikhoshro, pardistehranchi A comparative scanning electron microscope investigation of cleanliness of root canals using hand K-Flexofiles, rotary RaCe and K3 instruments. *Iranian Endodontics Journal* 2008 :3:4.123-

32-Rahimi S, Shahi S, Lotfi M, Zand V, AbdolrahimiM, Es,haghi R. Root canal configuration and the prevalence of C-shaped canals in mandibular second molars in an Iranian population. *J Oral Sci*. 2008; 50:9-13.

33-Zand V, Lotfi M, Vosoughhosseini S. *J Endod* 2008;34:481-3. Proliferative periostitis: a case report.

34-Vosoughhosseini S, Lotfi M, Shahi S, Baloo H, Mesgariabbasi M, Saghiri MA, Zand V, Rahimi S, Ranjkesh B. Influence of white versus grey mineral trioxide aggregate on inflammatory cells. *J Endod*2008;34:715-7, (Corresponding author).

35-Lotfi M, Vosoughhosseini s, Zand V, Fatemi A, Shyezadeh V, Ranjkesh B. A mandibular second premolar with three canals and atypical orifices. *J Oral Sci* 2008 Sep;50:363-366.

36-Shahi S, Zand V, Oskoe SS, Abdolrahimi M, Rahnema AH. An in vitro study of the effect of spreader penetration depth on apical microleakage.. *J Oral Sciences* 2007 Dec;49(4):283-6.

37-Zand V, Bidar M, Ghaziani P, Rahimi S, Shahi S.. A comparative SEM investigation of the smear layer following preparation of root canals using nickel titanium rotary and hand instruments. *J Oral Sci*. 2007 Mar;49(1):47-52.

## **Congress**

1-Vahid zand. Geriatric endodontics. 9 Th Iranian endodontic association congress, Isfahan, Iran

2-Vahid zand, saharshakouie. Vertical fracture in root canal treated teeth. 10 thiranian endodontic association congress.tehran,iran

3-sahar shakouie, vahidzand.diagnosis and treatment of root canal perforations. 10 thiranian endodontic association congress.tehran,iran

4-vahid zand. Optimal use of radiography ,photography and computed tomography in diagnosis of traumatized

teeth. 11 thiranian endodontic association congres.tehran.iran

5-saeed rahimi,shahriarshahi,vahidzand,saharshakouie.dental anatomy as last target of endodontic treatment. 11 thiranian endodontic association congres.tehran , iran

6-amin salemmilani,vahidzand.

**H-INDEX= 13**

**<https://www.scopus.com/authid/detail.uri?authorId=56475423800>**

**citation=370**

**Professional memberships**

Member of Iranian Dental Association (IDA)

Member of Iranian Association of Endodontists (IAE)

**Clinical Background**

I have worked as a general dentist: 1998-2000

I have worked as endodontic resident:2000-2003

I have had private endodontic office:2003-now