

Farzaneh Shirani *DDS.MS*

Curriculum Vitae

Academic position: Associate Professor of Operative Dentistry

Department: Operative Dentistry, School of Dentistry, Isfahan University of Medical Sciences

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Education:

Isfahan University of Medical Sciences
Operative Dentistry Postgraduate Program
School of Dentistry, MS

1998

Isfahan University of Medical Sciences
School of Dentistry, DDS

1994

Publications:

1. Malekipour MR, **Shirani F**, Ebrahimi M. The effect of washing water temperature on resin-dentin micro-shear bond strength. *Dent Res J (Isfahan)*. 2016; 13:174-80.
2. **Shirani F**, Khalili H, Mehravaran M. Comparative evaluation of the effect of CPP-ACP and resin infiltration on brown spot color parameters after using 20% carbamide peroxide. *Journal of Islamic Dental Association of Iran (JIDA)* 2015; 26:285-93.
3. Karami M, **Shirani F**, Kaveh S, Talaie S, Salehi E. Effect of remineralizing pretreatments with CPP-ACP on the shear bond strength of composite enamel

surfaces of primary tooth using total-etch and self-etch bonding systems. *Journal of Islamic Dental Association of Iran (JIDA)* 2015;27; 40-7.

4. **Shirani F**, Birang R, Malekipour MR, Hourmeh Z, Kazemi S. Shear bond strength of resin composite bonded with two adhesives: Influence of Er: YAG laser irradiation distance. *Dent Res J (Isfahan)* 2014; 11:689-94.
5. **Shirani F**, Sakhaeiemanesh M. Effect of remineralizing agents on the color change of sound enamel and white spot lesions. *J Isfahan Dent Sch* 2013; 9: 358-68.
6. Malekipour MR, Razavi SM, Khazaei S, Kazemi SH, Behnamanesh M, **Shirani F**. Histologic evaluation of human pulp response to total etch and self etch adhesive systems. *Iran Red Crescent Med J* 2013; 15: 429-31.
7. Sayyedani FS, Fathi M, Edris H, Doostmohammadi A, Mortazavi V, **Shirani F**. Fluoride release and bioactivity evaluation of glass ionomer: Forsterite nanocomposite. *Dent Res J (Isfahan)* 2013; 10: 452-9.
8. Bahremandi Tolou N, Fathi MH, Monshi A, Mortazavi VS, **Shirani F**, Mohammadi Sichani M. The effect of adding TiO₂ nanoparticles on dental amalgam properties. *Iranian Journal of Materials Science & Engineering(IJMSE)* 2013; 10: 46-56.
9. **Shirani F**, Sakhaeiemanesh V, Malekipour MR. Preservation of coronal tooth fragments prior to reattachment. *Aust Dent J* 2013; 58: 321-5.
10. Khosravi K, **Shirani F**. The effect of dentin adhesives on fracture resistance of root treated teeth restored with amalgam. *Shahid Behshti Medical Sciences University J* 2002;20:193-206. [Farsi]
11. Kosravi K, Malekipour MR, **Shirani F**. Comparative evaluation of different methods of strengthening in endodontically treated maxillary central incisors with thin root walls. *Journal of Dental Medicine Tehran University of Medical Science* 2006;19:24-34. [Farsi]
12. **Shirani F**, Malekipour MR, Zia P. Effect of different adhesive systems microleakage at the amalgam/composite interface. *Journal of Isfahan Dental School* 2005;1:23-9. [Farsi]

13. Maleki Pour MR, **Shirani F**, Mirzakouchaki P, Bayat MA. Shear bond strength between aged hybrid and new flow able composite resin using different bonding agents . Journal of Islamic Dental Association of Iran(JIDA) 2006;3:67-71. [Farsi]

14. **Shirani F**, Maleki Pour MR, Hoseini F. Tthe influence of iranian temporary components on shear bond strength of composite resin to deep dentin in a single bottle bonding system. Journal of Islamic Dental Association of Iran(JIDA) 2007;19:66-72. [Farsi]

15. **Shirani F**, Maleki Pour MR, Kargahi N. Effect of cavity liners on the microleakage of CI V amalgam restorations. Journal of Islamic Dental Association of Iran(JIDA) 2009;21:16-23. [Farsi]

16. **Shirani F**, Malekipour M, Shahabi H. Effect of diamond bur cutting efficacy on dentin bond strengths of different bonding system. Journal of Dental Medicine. 2009;21:278-84. [Farsi]

17. **Shirani F**, Maleki Pour MR, Barfar Gh. Effect of use duration in diamond burs on dentin bond strength of one self etch bonding system. Journal of Islamic Dental Association of Iran(JIDA) 2009;21:95-102. [Farsi]

18. Zeylabi A, **Shirani F**, Heidari F, Farhad AR. Endodontic management of a fused mandibular third molar and distomolar:A case report. Aust Endod J 2009;1-3.

19. **Shirani F**, Malekipour MR, Bahrami P. The effect of different preservation environments on shear bond strength of fractured parts before re-attachment. . Journal of Isfahan Dental School 2009;4:148-79.[Farsi]

20. Maleki Pour MR, Birang R, **Shirani F**, Ghazvini Zadegan F. Comparison of nd:yag laser and ~seal & protect~ sealant on dentin microhardness. Journal of Islamic Dental Association of Iran (JIDA) 2008;20:259-64. [Farsi]
21. Maleki Pour MR, Mesripour M, **Shirani F**. Buffering capacity of saliva in patients with active dental caries. Asian Journal of Biochemistry 2008;3:280-3.
22. **Shirani F**, Maleipour M, Aghaei F. Fragment bonded teeth: Effect of drying and rewetting crown fragments prior reattachment. Journal of Dental Medicine 2008;21:189-195. [Farsi]
23. **Shirani F**, Havaei A, Malekipour M, Sharafi M. Surface Antibacterial Properties of Four Tooth-Colored Restorative Materials. Journal of Dentistry of Tehran University of Medical Sciences 2008;5:1-6.
24. **Shirani F**, Malekipoor MR, Mirzakoochaki P, Iravani M. The effect of flowable and dual-cure resin composite liners on gingival microleakage of posterior resin composites. Journal of Dental Medicine 2008;21:116-23. [Farsi]
25. **Shirani F**, Malekipour MR, Zare Jahromi M, Nekouei-parvar M. An In vitro evaluation of coronal microleakage in strengthening of weekend teeth different with different tooth – coloured material with FRC post. Journal of Isfahan Dental School 2006;2: [Farsi]
26. **Shirani F**, Malekipour MR, Aghaei F, Sakhaei Manesh V. Hydration and dehydration periods of crown fragments prior to reattachment. Oper Dent 2012;37:501-8.

27. **Shirani F**, Birang R, Zilaei A, Heidari F. Effect of Er: YAG laser on dentin adhesion of self-etch and total-etch bonding systems in two coronal and radicular sections. *Journal of Isfahan Dental School* 2011; Special Issue: 802-12.
28. Malekipour MR , **Shirani F**, Tahmourespour S .The effect of cutting efficacy of diamond burs on microleakage of class v resin composite restorations using total etch and self etch adhesive systems. *Journal of Dentistry, Tehran University of Medical Sciences* 2010;7:218-25.
29. Bahremandi Tolou N, Fathi MH, Monshi A, Mortazavi V, **Shirani F**. Preparation and corrosion behavior evaluation of amalgam/titania nano composite. *Dent Res J (Isfahan)* 2011;8:43-50:(Special Issue).
30. Malekipour MR , Ala Sharafi A , Kazemi S, Khazaei S, **Shirani F**. Comparison of color stability of a composite resin in different color media. *Dent Res J(Isfahan)* 2012 :9 :441-6.
31. **Shirani F**, Birang R, Malekipur MR, Zeilabi A, Shahmoradi M, Kazemi S, Khazaei S. Adhesion to Er:YAG laser and bur prepared root and crown dentine. *Aust Dent J* 2012; 57: 138–43.
32. **Shirani F**, Malekipour MR, Tahririan D, Sakhaei manesh V. Effect of storage environment on the bond strength of reattachment of crown fragments to fractured teeth. *J Conserv Dent* 2011 :14 :269-72.
33. Maleki Pour MR, **Shirani F**, Ketabi M, Roshan Talab Haghani H, Tahririan D. Effect of ultrasonic scaler on the microleakage of C1 V tooth colored. restorations. *Journal of Islamic Dental Association of Iran (JIDA)* 2011 ;23:239-46.
34. Maleki Pour MR, **Shirani F**, Mirzakoochaki P, Fazel Kalbasi Z. Changes in bleached enamel microhardness after application of fluoride and CPP-ACP. *Journal of Islamic Dental Association of Iran (JIDA)* 2012; 24:15-20.
35. Yaghini J, **Shirani F**, Mogharehabed A, Karimipour H, Sarsangi M. Evaluation of DMFT, salivary pH and salivary buffering capacity in patients with and without calculus referring to Isfahan Faculty of Dentistry. *Journal of Isfahan Dental School* 2011; Special Issue: 820-7. [Farsi]
36. **Shirani F**, Zamani Naser A, Mosavat F, Hamzeh M. Sensitivity and specificity of diagnosis of interproximal caries by last-year dental students. *Journal of Isfahan Dental School* 2012; Special Issue 7:714-21. [Farsi]
37. Malekipour MR, **Shirani F**, Mirzakoucheki P, Alaei S, Safaii M, Hashemzadeh Z. Effect of several tooth-colored restorative materials on reinforcement of unsupported enamel. *Journal of Isfahan Dental School* 2012; 8: 338-46. [Farsi]

Professional Activities:

Member of research group, Isfahan Dental School, IUMS, Isfahan, Iran. Since 2010.

Supervisor of library- Isfahan Dental School, IUMS, Isfahan, Iran. Since 2008.

Associate professor of operative dentistry, School of dentistry, IUMS, Isfahan,Iran. Since 2012.

Supervisor of operative dentistry Department, School of dentistry, IUMS, Isfahan,Iran. Since 2008.

Member of International Association of Dental Research (IADR). Since 2005.

Member of research group, Torabinejad Dental Research Center, Isfahan Dental-School, IUMS, Isfahan, Iran. Since 2003.

2000-2008: Instructor of Dental Materials, Azad University of khorasgan, Isfahan, Iran.

Presentations:

1. **Shirani F**,KHosravi K, Malekipour M. Fracture resistance of endodontically maxillary premolar teeth with mod cavities restored with dentiin adhesive bases and amalgam ." Proceedings Of 36th International Congress of Iranian Dental Association . Iran,2000.(lecture)
2. Malekipour M, **Shirani F**. A comparative evaluation of different strenthening methods in fracture resistance of endodontically treated maxillary central incisors after apexification 37th International Congress of Iranian Dental Association. Iran,2000.
3. **Shirani F**Conservative bridges . 1st International Congrees Of Iranian Academy of Restorative Dentistry. Kish ,Iran ,2001.(Lecture)
4. **Shirani F**. Restoration of endodontically treated teeth . 4th International Congrees of Iranian Association of Endodontists. Isfahan, Iran,2000.
5. **Shirani F**. Caries Management. 2nd International Congress of Iranian Academy of Restorative Dentistry. Isfahan, Iran,2003.(Lecture)
6. **Shirani F**, Malekipour M. Effect of using different liners on microleakage of class v amalgam restorations. 4th International Congress of Iranian Academy of Restorative Dentistry. Mashhad,Iran,2004. (Lecture).

7. Malekipour M, **Shirani F**. Restoration Of Weakened Teeth. 4th International Congress of Iranian Academy of Restorative Dentistry. Mashhad,Iran,2005.
8. Malekipour M, **Shirani F**. Dental bleaching. 44th International Congress of Iranian Dental Association. Iran,2003.
9. **Shirani F**, Malekipour M. Comparison about buffering capacity of saliva in dental active caries patients and caries. Free 3rd International Womans Leadership Conference. Montreal,Canada,2005. (Poster)
10. **Shirani F**, Malekipour M. In-Vitro study of different reinforcement methods of anterior weakened teeth. FDI 2005 montreal congress. Canada,2005. (Poster)
11. Malekipour M, **Shirani F**. Effect of total etching and self-etching adhesive systems on human pulp histopathology. FDI2005 Montreal Congress. Canada.2005. (Poster)
12. Malekipour M, Birang R, **Shirani F**, Ghazvinizadegan F. The effect of nd:yag laser and seal &protect sealant on dentin microhardness.Second Laser Dentistry Conference. Dubai, 2007. (Poster)
13. Malekipour M, **Shirani F**, Nekoeiparvar. An invitro evaluation of coronal mcroleakage in strenthening of weakened tooth with tooth-colored Materials And FRC Posts". 6th International Congress Of Iranian Academy of Restorative Dentistry. Tehran,Iran,2006. (Poster)
14. **Shirani F**, Malekipour M, Mirzakouchacki P, Safaei M. Strenthening of undermined Enamel with different tooth-colored materials. 6th International Congress Of Iranian Academy Of Restorative Dentistry. Tehran,Iran,2006.(Poster)
15. **Shirani F**, Malekipour M, Hosseini F. Influence of Iranian temporary components on shear bond strenght of composite resin to deep dentin in a single bottle bonding system. 9th International Congress of Iranian Association of Endodontists. Isfahan, Iran ,2006(Poster)
16. Malekipour M, **Shirani F**, Havaei A, Sharafi M. Antimicrobial activity of four tooth-colored restorative materials. IADR European Division. Athen,Greece ,2007.(Poster)
17. **Shirani F**, Malekipour MR, Shahabi H. Effect of diamond bur cutting efficacy on dentin bond strenghts of different bonding systems. Annual Meeting IADR_Continental European. Thessaloniki,Greece,2007.(Poster)

18. **Shirani F**, Malekipour M, Razmara F, Keshani F, Hurmehr Z. Hidden Caries. The 7th Congress of Iranian Academy of Restorative Dentistry. Iran, Shiraz, 2007. (Lecture)
19. Malekipour M, **Shirani F**. Reattachment of fractured teeth: a review of literature regarding techniques and materials The 7th Congress of Iranian Academy of Restorative Dentistry. Shiraz, Iran, 2007. (Lecture)
20. **Shirani F**, Malekipour M, Rafieian N. Effects of Non-metallic Posts on Fracture Resistance of Weakened Teeth. 85th General Session & Exhibition of the IADR/AADR/CADR. New Orleans-Louisiana-USA, 2007. (Poster)
21. **Shirani F**, Malekipour M, Iravani M. The effect of flowable and dual-cure resin composite liners as gingival increments on the microleakage of posterior resin composites. Kerman, Iran, 2007. (Poster)
22. **Shirani F**, Malekipour MR, Bahrami P. Anterior teeth restored by reattachment: The effect of different preservation environments on shear bond strength of fractured parts before re-attachment. 9th World Congress on Preventive Dentistry. Phuket, Thailand, 2009. (Poster)
23. **Shirani F**, Malekipour MR, Bahrami P. Successful posterior composites. 9th Congress of Iranian Academy of Restorative Dentistry. Tehran, Iran, 2009. (Poster).
24. **Shirani F**, Malekipour MR, Tahmoures Pour S. The effect of cutting efficacy of diamond burs on the microleakage of class V resin composite restorations using total etch and self etch adhesive systems. Congress of Iranian Academy of Restorative Dentistry. Tehran, Iran, 2009. (Poster)
25. Malekipour MR, **Shirani F**, Moghtadaei M. The effect of different mouthwashes on color stability of bleached teeth. 9th Congress of Iranian Academy of Restorative Dentistry. Tehran, Iran, 2009. (Poster)
26. Malekipour MR, **Shirani F**, Sharafi A. Comparison of composite resin color stability in different color media. 9th Congress of Iranian Academy of Restorative Dentistry. Tehran, Iran, 2009. (Poster)
27. **Shirani F**, Malekipour MR, Barfar Gh. Effect of changes in diamond bur cutting efficacy on dentin bond strength of one self etch bonding system. 8th Congress of Iranian Academy of Restorative Dentistry. Tehran, Iran, 2008. (Poster)
28. **Shirani F**, Birang R, Malekipour MR, Zeilabi A, Heidari F. Influence of Er:YAG laser irradiation on the adhesion of self etching and total etch systems to crown

and root dentin. Student Conference. Azad University – Khorasgan, Iran, 2008. (Lecture)

29. **Shirani F**, Birang R, Malekipour MR, Zeilabi A, Heidari F. Shear bond strength analysis of different adhesive systems and dentin prepared with high-speed and Er:YAG laser: a comparative study. World Federation of Laser in Dentistry 11th Meeting of the WFLD . Hong Kong, 2008. (Poster)
30. **Shirani F**, Birang R, Malekipour MR, Zeilabi A, Heidari F. Shear bond strength of two adhesives to Erbium:YAG-lased vs. bur-cut root dentin. 11th Meeting of the WFLD (World Federation of Laser in Dentistry). Hong Kong, 2008. (Poster)
31. **Shirani F**, Malekipour M, Ebrahimi M. Effect of rinsing water temperature on resin-Dentin micro-shear bond strength. 10th Congress of Iranian Academy of Restorative Dentistry. Tehran, Iran, 2010. (Poster)
32. **Shirani F**, Malelipour M, Ahmadpour E, Heidari Z. Microleakage of composite restorations after Er:YAG laser and bur preparation. AADR, Washington Dc, 2010 .(Poster)