

Dental Materials Research Center Publications (2016)

1. Nejatidanesh F, Moradpoor H, Savabi O. Clinical outcomes of zirconia-based implant- and tooth-supported single crowns. *Clin Oral Invest* 2016; 20:169-78.
2. Naeimi M, Rafienia M, Fathi M, Bonakdar S, Ebrahimian- Hosseiniabadi M. Incorporation of chitosan nanoparticles into silk fibroin-based porous scaffolds: Chondrogenic differentiation of stem cells. *Int J Polym Mater Polym Bio* 2016; 65:202-9.
3. Nilchian F, Ghasemi L. Quality assessment of information about pit and fissure sealants in Persian websites in 2012. *J Dent (Tehran)* 2016; 13:55-9.
4. Latifi SM, Fathi MH, Varshosaz J, Ghochaghi N. Simultaneous structural and surface modifications of nanophase hydroxyapatite for improving its dissolution and bioactivity. *Ceram Int* 2016; 42:6355-9.
5. Eshghi A, Mohammadpour M, Kaviani N, Tahririan D, Akhlaghi N. Comparative evaluation of bispectral index system after sedation with midazolam and propofol combined with remifentanil versus ketamine in uncooperative during dental procedures. *Dent Res J (Isfahan)* 2016; 13:1-6.
6. Tahririan D, Kaviani N, Nourbakhsh N. Bispectral index scores of pediatric patients under dental treatment and recovery conditions: Study of children assigned for general anesthesia under propofol and isofluran regimes. *Dent Res J (Isfahan)* 2016; 13:63-8.
7. Samimi P, Alizadeh M, Shirban F, Davoodi A, Khoroushi M. Effect of dentin dehydration and composite resin polymerization mode on bond strength of two self-etch adhesives. *Contemp Clin Dent* 2016; 7:16-20.
8. Nejatidanesh F, Shakibamehr AH, Savabi O. Comparison of marginal and internal adaptation of CAD/CAM and conventional cement retained implant-supported single crowns. *Implant Dent* 2016; 25:103-8.
9. Khodaei M, Meratian M, Savabi O, Razavi M. The effect of pore structure on the mechanical properties of titanium scaffolds. *Mater Lett* 2016; 171:308-11.
10. Kouhi M, Shamanian M, Fathi MH, Samadikuchaksaraei A, Mehdipour A. Synthesis, characterization, in vitro bioactivity and biocompatibility evaluation of hydroxyapatite/bredigite(Ca₇MgSi₄O₁₆) composite nanoparticles. *The Minerals, Metals & Materials Society* 2016; 68:1061-70.
11. Saidi R, Fathi MH, Salimijazi H, Mohammadrezaie M. Fabrication and characterization nanostructured forsterite foams with high compressive strength, desired porosity and suitable bioactivity for biomedical applications. *J Sol-Gel Sci Technol* 2016; 81:734-40.
12. Movahedian Attar B, Haghigat A, Naghdi N, Jokar S, Nazem R, Ghassemi A. Acellular dermal graft in secondary cleft lip deficiencies: assessment of results with a reproducible quantitative technique. *J Craniofac Surg* 2016; 27:313-6.
13. Samimi P, Alizadeh V, Fathpour K, Mazaheri H, Mortazavi V. In-vitro comparison of the effect of different bonding strategies on the micro-shear bond strength of a silorane-based composite resin to dentin. *Dent Res J (Isfahan)* 2016; 13:124-31.
14. Feiz A, Samanian N, Davoudi A, Badrian H. Effect of different bleaching regimens on the flexural strength of hybrid composite resin. *J Conserv Dent* 2016; 19:157-60.
15. 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.

Dental Materials Research Center Publications (2016)

16. Khodaeian N, Rismanchian M, Behzadi A, Jowkar F. Validity and reliability of a Persian version of the quality of masticatory function questionnaire for edentulous patients. *Dent Res J (Isfahan)* 2016; 13:160-7.
17. Aliasghari A, Rabbani Khorasgani M, Vaezifar S, Rahimi F, Younesi H, Khoroushi M. Evaluation of antibacterial efficiency of chitosan and chitosan nanoparticles on cariogenic streptococci: an in vitro study. *Iran J Microbiol* 2016; 8:93-100.
18. Sabouhi M, Bajoghli F, Dakhilalian M, Beygi A, Abolhasani M. Effects of impression coping design, impression technique, and dental undercuts on the accuracy of implant impressions assessed by 3-dimensional optical scanning: An in vitro study. *Implant Dent* 2016; 25:238-46.
19. Khoroushi M, Shirban F, Sahraneshin-Samani M. Marginal integrity of low-shrinkage and methacrylate-based composite resins: Effect of three different hemostatic agents. *J Clin Exp Dent* 2016; 8:e178-83. 2016.
20. Khoroushi M, Mazaheri H, Saneie T, Samimi P. Fracture toughness of bleached enamel: Effect of applying three different nanobiomaterials by nanoindentation test. *Contemp Clin Dent* 2016; 7:209-15.
21. Feiz A, Habibi E, Hekmatian E, Gholami M, Ahmadi N, Mohebian Z. Evaluation of ergonomic errors of body postures in senior undergraduate and postgraduate students in Isfahan Dental School in 2014-2015 using Rapid Entire Body Assessment (REBA)method. *J Isfahan Dent Sch* 2016; 12: 9-18.
22. Shadmehr A, Hashemi A, Hasheminia SM. Evaluation of the effect of tannic acid patch on gag reflex in the areas of soft palate and tonsils. *J Isfahan Dent Sch* 2016; 12: 27-32.
23. Torabinia N, Kargahi N, Kamani H. Comparative evaluation of CD105 protein expression in normal and dysplastic oral mucosa by immunohistochemical staining. *J Isfahan Dent Sch* 2016; 12: 19-26.
24. Savabi O, Nejatidaneh F, Saeidi A, Motiei A. Developing, optimizing and updating an intelligent software for treatment planning of removable partial dentures. *J Isfahan Dent Sch* 2016; 12: 89-96.
25. Khoroushi M, Ehteshami A. Marginal micronegative of cervical composite resin restorations bonded using etch-and-rinse and self-etch adhesives: two dimensional vs. three dimensional methods. *Restor Dent Endod* 2016; 41:83-90.
26. Khodaeia M, Meratian M, Savabi O, Fathi M, Ghomie M. The side effects of surface modification of porous titanium implant using hydrogen peroxide: Mechanical properties aspects. *Mater Lett* 2016; 178:201-4.
27. Noorollahian S, Alavi S, Shirban F. Bilateral en-masse distalization of maxillary posterior teeth with skeletal anchorage: a case report. *Dental Press J Orthod* 2016; 21:85-93.
28. Khoroushi M, Sheikhi M, Khalilian-Gourtani A, Soleimani B. Effect of root canal rinsing protocol on dentin bond strength of two resin cements using three different method of test. *J Clin Exp Dent* 2016; 8: e246-e54.
29. Sadeghian R, Monirifard M, Sadeghian S. The relationship between the chin and anteroposterior cephalometric indices in an Iranian Population. *Int J Med Res Health Sci* 2016; 5:93-101
30. Khoroushi M, Hosseini-Shirazi M, Farahbod F, Keshani F. Composite resin bond strength to caries- affected dentin contaminated with 3 different hemostatic agents. *Gen Dent* 2016; 64:e11-5.
31. Ebadian B, Mosharraf M, Khodaeian N. Effect of cantilever length on stress distribution around implants in mandibular overdentures supported by two and three implants. *Eur J Dent* 2016; 10: 333-40.
32. Khoroushi M. A discussion on how to apply resin-modified glass ionomers. *Contemp Clin Dent* 2016; 7:291-2.

Dental Materials Research Center Publications (2016)

33. Khodaei M, Meratian M, Shaltooki M, Hashemibeni B, Savabi o, Razavi M. Surface modification of Ti6Al4 V implants by heat, H₂O₂ and alkali treatments. *Surface Eng* 2016; 32:10, 786-93.
34. Khoroushi M, Shirban F, Kaveh S, Doustfatemeh S. Effect of three nanobiomaterials on microhardness of bleached enamel. *Restor Dent Endod* 2016; 41:196-201.
35. Saqaei M, Fathi M, Edris H, Mortazavi V, Hosseini N. Effects of adding bioceramic on in vitro activity and antibacterial properties of bioactive glass-forsterite nanocomposite powders. *Adv Powder Technol* 2016; 27:1922-32.
36. Alavi S, Tajmirriahi F. Assessment of dimensional accuracy of preadjusted metal injection molding orthodontic brackets. *Dent Res J (Isfahan)* 2016; 13:440-5.
37. Samandari MH, Haghigat A, Torabinia N, Taghian M, Sadri L, Naemy V. Socket preservation using freeze-dried bone allograft with and without plasma rich in growth factors in dogs. *Dent Res J (Isfahan)* 2016; 13:432-9.
38. Tavangar A, Khozeimeh F, Ghoreishian F, Boroujeni MA. Serum Level of Interleukin-8 in subjects with diabetes, diabetes plus oral lichen planus, and oral lichen planus: A biochemical study. *Dent Res J (Isfahan)* 2016; 13:413-8.
39. Khoroushi M, Eshghi A, Naderibeni F. Pit and fissure sealant retention following air abrasion preparation with bioactive glass and aluminum oxide particles. *J Dent Child* 2016; 83:132-8.
40. Karbasi S, Zarei M, Foroughi MR. Effects of Multi-Wall carbon Nano-Tubes (MWNTs) on structural and mechanical properties of electrospun poly (3-hydroxybutyrate) scaffold for tissue engineering applications. *Sci Iran* 2016; 23:3145-52.
41. Foroughi MR, Khoroushi M, Nazem R, Akbarian Tefaghi E. The effect of carbon nanotubes/bioglass nanocomposite on mechanical and bioactivity properties of glass ionomer cement. *Sci Iran* 2016; 23:3123-34.
42. Fereshteh Z, Fathi M, Bagri A, Boccaccini AR. Preparation and characterization of aligned porous PCL/zein scaffolds as drug delivery systems via improved unidirectional freeze-drying method. *Mater Sci Eng C* 2016; 68:613-22.
43. Farzin A, Emadi R, Fathi M. Novel sol-gel-derived hardystonite-based biomagnetic nanoparticles for hyperthermia applications. *J Sol-Gel Sci Technol* 2016;402-10.
44. Kheradmandfar M, Fathi MH, Ansari F, Ahmadi T. Effect of Mg content on the bioactivity and biocompatibility of Mg-substituted fluorapatite nanopowders fabricated via mechanical activation. *Mater Sci Eng C Mater Biol Appl* 2016; 68:136-42.
45. Mirzakhani M, Mousavinasab SM, Atai M. The effect of acrylate-based dental adhesive solvent content on microleakage in composite restorations. *Dent Res J (Isfahan)* 2016; 13:515-20.
46. Khoroushi M, Ghasemi M, Abedinzadeh R, Samimi P. Comparison of immediate and delayed light-curing on nano-indentation creep and contraction stress of dual-cured resin cements. *J Mech Behav Biomed Mater* 2016; 64:272-80.
47. Zamani S, Dehghani L, Drummen, Gregor PC, et al. Comparison of cartilage specific markers in articular and differentiated chondrocytes in pellet system. *Biointerface Res Appl Chem* 2016; 6:1686-91.
48. Aivazi M, Fathi MH, Nejatidaneh F, Mortazavi V, Hashemibeni B. Effect of alumina addition to zirconia nano-composite on low temperature degradation process and biaxial strength. *J Ultrafine Grained Nanostruct Mater* 2016; 49:103-11.

Dental Materials Research Center Publications (2016)

49. Aivazi M , Hossein Fathi M, Nejatidanes F, Mortazavi V, HashemiBeni B, Matinlinna JP, Savabi O. The evaluation of prepared microgroove pattern by femtosecond laser on alumina-zirconia nano-composite for endosseous dental implant application. *Lasers Med Sci* 2016; 31:1837-43.
50. Razavian H, Iranmanesh P, Mojtabaei H, Nazeri R. Effect of autoclave cycles on surface characteristics of S-file evaluated by scanning electron microscopy. *Iran Endod J* 2016; 11:29-32.
51. Mousavinasab SM, Atai M, Salehi N, Salehi Ad. Effect of shade and light curing mode on the degree of conversion of dilorane-based and methacrylate-based resin composites. *J Dent Biomater* 2016; 3:299-305.