

Mohammad Hossein Nekoofar

DDS, MSc, DoIBoE, PhD

(Updated @ February, 2016)

Current job:

- **President of Iranian Association of Endodontics (IAE): 2013-present**

- **Assistant Professor of Endodontics: 1995-Present**

School of Dentistry, Tehran University of Medical Sciences, Tehran, Iran

- **Assistant Professor in Tissue Engineering & Applied Cell Sciences: 2015-present**

School of Advanced Technologies in Medicine, Tehran University of Medical Sciences, Tehran, Iran

- **Honorary Senior Lecturer in Endodontics & Dental Biomaterial: 2012- present**

School of Dentistry, Cardiff University, Cardiff, UK

- **Director of International Relations, Accreditation & Ranking: 2013-present**

Tehran University of Medical Sciences, Tehran, Iran

- **Group Leader of Endodontolgy Research Group: September 2004-present**

Endodontolgy research group, School of Dentistry, Cardiff University, Cardiff, UK

Work history:

- **Vice-dean of International Affairs: December 2012-December 2013**

School of Dentistry, Tehran University of Medical Sciences, Tehran, Iran

- **Vice-dean of Administrative and Financial Affairs: December 2013- October 2015**

School of Dentistry, Tehran University of Medical Sciences, Tehran, Iran

- **Honorary Lecturer in Endodontics & Dental Biomaterial: August 2012-2013**

School of Dentistry, Cardiff University, Cardiff, UK

- **Clinical Lecturer in Endodontics: December 2005-August 2012**

School of Dentistry, Cardiff University, Cardiff, UK

- **Honorary Visiting Lecturer: April 2004-December 2005**

School of Dentistry, Cardiff University, Cardiff, UK

Research theses:

- **DDS thesis (1989):** Association of Central Giant Cell Granuloma and HLA-DR10;
Tehran University of Medical Sciences, Tehran, Iran

- **MSc thesis (1993):** Evaluation of the accuracy of two models of the Electronic apex locators (Root ZX & Formatron V); Tehran University of Medical Sciences, Tehran, Iran

- **PhD thesis (2011):** The effect of contamination on selected physical and chemical characteristics of Mineral Trioxide Aggregate; Cardiff University, Cardiff, UK

Date	Degree	Subject	Awarding Body
2011	PhD	Dental Biomaterial	Cardiff University, Cardiff, UK
1994	Diplomate, Iranian Board of Endodontics	Endodontics	Iranian Board of Endodontics; Ministry of Health & Health education, Tehran, Iran
1993	MSc	Endodontics	School of Dentistry, Tehran University of Medical Science, Tehran, Iran
1989	DDS	General Dentistry	School of Dentistry, Tehran University of Medical Science, Tehran, Iran

Research experiences:

A member of “**Endodontology Research Group**”, Department of Adult Dental Health, Cardiff University

Group Leader of Electronic apex locators study

Group Leader of Mineral Trioxide Aggregate study

Supervising more than 45 final projects and dissertations of BDs and DDs students in Iran and UK

Supervising eight theses of postgraduate and master of clinical dentistry postgraduate students in UK and Iran

Publication of more than 50 original articles in English and Persian

Research Interests:

Electronic root canal length measurement devices

Mineral trioxide aggregate (MTA)

Post-Operative pain in Endodontics

Treatment of immature root canals

Automated root canal preparation

Physiopathology of periapical lesions

Regenerative Endodontics

Publications:

Original Publications:

1. **Nekoofar** MH, Sadeghi K, Sadighi Akha E, Namazikhah MS. The accuracy of the Neosono Ultima EZ apex locator using files of different alloys: an in vitro study. *J Calif Dent Assoc* 2002;30:681-4.
2. **Nekoofar** MH, Sadeghipanah M, Dehpour AR. Evaluation of meloxicam (A cox-2 inhibitor) for management of postoperative endodontic pain: a double-blind placebo-controlled study. *J Endod* 2003;29:634-7.
3. **Nekoofar** MH. Electronic apex locators. *Int Endod J* 2005;38:417-8
4. **Nekoofar** MH, Ghandi MM, Hayes SJ, Dummer PM. The fundamental operating principles of electronic root canal length measurement devices. *Int Endod J* 2006;39:595-609.
5. Sabeti MA, **Nekoofar** MH, Motahary P, Ghandi M, Simon JH. Healing of apical periodontitis after endodontic treatment with and without obturation in dogs. *J Endod* 2006;32:628-33.
6. **Nekoofar** MH, Adusei G, Sheykhrezae MS, Hayes SJ, Bryant ST, Dummer PM. The effect of condensation pressure on selected physical properties of mineral trioxide aggregate. *Int Endod J* 2007;40:453-61.
7. Namazikhah MS, **Nekoofar** MH, Sheykhrezae MS, Salariyeh S, Hayes SJ, Bryant ST, et al. The effect of pH on surface hardness and microstructure of mineral trioxide aggregate. *Int Endod J* 2008;41:108-16.
8. Uzun O, Topuz O, Tinaz C, **Nekoofar** MH, Dummer PM. Accuracy of two root canal length measurement devices integrated into rotary endodontic motors when removing gutta-percha from root-filled teeth. *Int Endod J* 2008;41:725-32.
9. Kayahan MB, **Nekoofar** MH, Kazandag M, Canpolat C, Malkondu O, Kaptan F, et al. Effect of acid-etching procedure on selected physical properties of mineral trioxide aggregate. *Int Endod J* 2009;42:1004-14.
10. **Nekoofar** MH, Haddad DC, Nolde J, Aseeley Z. Water content of ampoule packaged with ProRoot MTA. *Int Endod J* 2009;42:549-51; author reply 52-3.
11. **Nekoofar** MH, Namazikhah MS, Sheykhrezae MS, Mohammadi MM, Kazemi A, Aseeley Z, et al. pH of pus collected from periapical abscesses. *Int Endod J* 2009;42:534-8.
12. Yazdi KA, Bayat-Movahed S, Aligholi M, Hayes SJ, **Nekoofar** MH. Microleakage of human saliva in coronally unsealed obturated root canals in anaerobic conditions. *J Calif Dent Assoc* 2009;37:33-7.

13. **Nekoofar** MH, Aseeley Z, Dummer PM. The effect of various mixing techniques on the surface microhardness of mineral trioxide aggregate. *Int Endod J* 2010;43:312-20.
14. **Nekoofar** MH, Oloomi K, Sheykhrezae MS, Tabor R, Stone DF, Dummer PM. An evaluation of the effect of blood and human serum on the surface microhardness and surface microstructure of mineral trioxide aggregate. *Int Endod J* 2010;43:849-58.
15. **Nekoofar** MH, Stone DF, Dummer PM. The effect of blood contamination on the compressive strength and surface microstructure of mineral trioxide aggregate. *Int Endod J* 2010;43:782-91.
16. Shokouhinejad N, **Nekoofar** MH, Iravani A, Kharrazifard MJ, Dummer PM. Effect of acidic environment on the push-out bond strength of mineral trioxide aggregate. *J Endod* 2010;36:871-4.
17. Shokouhinejad N, Sharifian MR, Aligholi M, Assadian H, Tabor RK, **Nekoofar** MH. The sealing ability of resilon and gutta-parcha following different smear layer removal methods: an ex vivo study. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2010;110:e45-9.
18. Houshmand B, Ghandi M, **Nekoofar** M, Gholamii GA, Tabor RK, Dummer PM. SEM Analysis of MTAD Efficacy for Smear Layer Removal from Periodontally Affected Root Surfaces. *J Dent (Tehran)* 2011;8:157-64.
19. **Nekoofar** MH, Davies TE, Stone D, Basturk FB, Dummer PM. Microstructure and chemical analysis of blood-contaminated mineral trioxide aggregate. *Int Endod J* 2011;44:1011-8.
20. Khedmat S, Rouhi N, Drage N, Shokouhinejad N, **Nekoofar** MH. Evaluation of three imaging techniques for the detection of vertical root fractures in the absence and presence of gutta-percha root fillings. *Int Endod J* 2012;45:1004-9.
21. Nosrat A, **Nekoofar** MH, Bolhari B, Dummer PM. Unintentional extrusion of mineral trioxide aggregate: a report of three cases. *Int Endod J* 2012;45:1165-76.
22. Shokouhinejad N, **Nekoofar** MH, Razmi H, Sajadi S, Davies TE, Saghiri MA, et al. Bioactivity of EndoSequence root repair material and bioaggregate. *Int Endod J* 2012;45:1127-34.
23. Basturk FB, **Nekoofar** MH, Gunday M, Dummer PM. The effect of various mixing and placement techniques on the compressive strength of mineral trioxide aggregate. *J Endod* 2013;39:111-4.
24. Ghandi M, Houshmand B, **Nekoofar** MH, Tabor RK, Yadeghari Z, Dummer PM. The effect of MTAD, an endodontic irrigant, on fibroblast attachment to periodontally affected root surfaces: A SEM analysis. *J Indian Soc Periodontol* 2013;17:188-92.

25. Kayahan MB, **Nekoofar** MH, McCann A, Sunay H, Kaptan RF, Meraji N, et al. Effect of acid etching procedures on the compressive strength of 4 calcium silicate-based endodontic cements. *J Endod* 2013;39:1646-8.
26. Oloomi K, Saberi E, Mokhtari H, Mokhtari Zonouzi HR, Nosrat A, **Nekoofar** MH, et al. Evaluation of the effect of blood contamination on the compressive strength of MTA modified with hydration accelerators. *Restor Dent Endod* 2013;38:128-33.
27. Shokouhinejad N, Razmi H, **Nekoofar** MH, Sajadi S, Dummer PM, Khoshkhounejad M. Push-out bond strength of bioceramic materials in a synthetic tissue fluid. *J Dent (Tehran)* 2013;10:540-7.
28. Basturk FB, **Nekoofar** MH, Gunday M, Dummer PM. Effect of various mixing and placement techniques on the flexural strength and porosity of mineral trioxide aggregate. *J Endod* 2014;40:441-5.
29. Bolhari B, **Nekoofar** MH, Sharifian M, Ghabrai S, Meraji N, Dummer PM. Acid and microhardness of mineral trioxide aggregate and mineral trioxide aggregate-like materials. *J Endod* 2014;40:432-5.
30. Grazziotin-Soares R, **Nekoofar** MH, Davies TE, Bafail A, Alhaddar E, Hubler R, et al. Effect of bismuth oxide on white mineral trioxide aggregate: chemical characterization and physical properties. *Int Endod J* 2014;47:520-33.
31. Khedmat S, Dehghan S, Hadjati J, Masoumi F, **Nekoofar** MH, Dummer PM. In vitro cytotoxicity of four calcium silicate-based endodontic cements on human monocytes, a colorimetric MTT assay. *Restor Dent Endod* 2014;39:149-54.
32. Shokouhinejad N, Jafargholizadeh L, Khoshkhounejad M, **Nekoofar** MH, Raoof M. Surface microhardness of three thicknesses of mineral trioxide aggregate in different setting conditions. *Restor Dent Endod* 2014;39:253-7.
33. Shokouhinejad N, **Nekoofar** MH, Ashoftehyazdi K, Zahraee S, Khoshkhounejad M. Marginal adaptation of new bioceramic materials and mineral trioxide aggregate: a scanning electron microscopy study. *Iran Endod J* 2014;9:144-8.
34. Shokouhinejad N, Yazdi KA, **Nekoofar** MH, Matmir S, Khoshkhounejad M. Effect of acidic environment on dislocation resistance of endosequence root repair material and mineral trioxide aggregate. *J Dent (Tehran)* 2014;11:161-6.
35. Basturk FB, **Nekoofar** MH, Gunday M, Dummer PM. Effect of varying water-to-powder ratios and ultrasonic placement on the compressive strength of mineral trioxide aggregate. *J Endod* 2015;41:531-4.

36. **Nekoofar** MH, Sheykhrezae MS, Meraji N, Jamee A, Shirvani A, Jamee J, et al. Comparison of the effect of root canal preparation by using WaveOne and ProTaper on postoperative pain: a randomized clinical trial. *J Endod* 2015;41:575-8.
37. Saatchi M, Rahimi I, Khademi A, Farhad AR, **Nekoofar** MH, Dummer PM. Influence of tooth length on the accuracy of the Root ZX electronic apical foramen locator: an ex vivo study. *Acta Odontol Scand* 2015;73:101-6.
38. Shokouhinejad N, **Nekoofar** MH, Pirmoazen S, Shamshiri AR, Dummer PM. Evaluation and Comparison of Occurrence of Tooth Discoloration after the Application of Various Calcium Silicate-based Cements: An Ex Vivo Study. *J Endod* 2016;42:140-4.

Some of the Published Abstracts – Posters & Meeting Presentations:

- M.H Nekoofar: MTA options; Invited Lecturer of the 2008 Irish Endodontic Society Annual Scientific Meeting -Dublin Ireland
- M.H Nekoofar: The Evolution of Electronic Working Length Measurement; Keynote Speaker of the 2008 American Association of Endodontics Annual congress
- M.H Nekoofar Biomaterials in Endodontics Keynote Speaker of 10th International Congress of the Turkish Endodontic Society.
- M.S. SheykhRezai; A. Yusefi; S.A.Ghazinouri; M.H. **Nekoofar**: Evaluation of the stress distribution in the maxillary central incisor during endodontic and restorative cavity preparation. *Journal of Endodontics* Vol.29, No.4 April 2003(316) PR69. American Association of Endodontics 2003 Annual Session, Tampa, USAM.
- M.H.**Nekoofar**; S.A. Ghazinouri; S. Niknam; M. Eslami. An in-vitro comparison of the efficacy of the Protaper engine driven vs. stainless steel K-files in canal debridement. *Journal of Endodontics* Vol.29, No.4 April 2003(316) PR49. American Association of Endodontics 2003 Annual Session, Tampa, USA
- M.H. **Nekoofar**; F. Niknam; M.S. SheykhRezai; E. SadighiAkha. An in-vitro comparison of the efficacy of Ni-Ti Engine Driven and. Stainless Steel K-Files in Canal debridement. *International Endodontic Journal* Oct 2001(24), R67. European Society of Endodontology, 10th Biennial Congress-Munich, Germany

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