

Personal Information

Full name: Seyed Hesam Mirmohammadi

Date of Birth: 07/Aug/ 1977

Email: hmirmoha@acta.nl, drmirendo@gmail.com

Nationality: Dutch / Iranian



Work experiences:

2013 up to now:

1. Works as Endodontist and restorative specialist in his own referral clinic: Praktijk voor Endodontologie Bergen op Zoom (www.endoprqaktijkboz.nl)
2. Works as an Endodontist and restorative specialist in Tandartsenpraktijk Harlemmermeer (Nieuw-Vennep, the Netherlands).
3. Assistant professor and Researcher in department of Cariology Endodontology Pedodontology, ACTA, Amsterdam, the Netherlands.
4. Researcher in department of Dental Materials, ACTA, Amsterdam, the Netherlands.
5. Member of NVVE board for writing endodontic guidelines for the Netherlands.
6. Visitor professor, Department of Endodontics, Shahid Beheshti University of Medical Sciences, Tehran, Iran
7. Visitor professor, Department of Dental Materials, Isfahan University of Medical Sciences, Isfahan, Iran

Sep. 2013:

Graduate as an endodontist from ACTA, Department of Cariology Endodontology
Pedodontolog

NVVE member (Dutch society of endodontology)

ESE member (European society of endodontology)

AAE member (American Association of Endodontics)

Sep. 2010- Sep. 2013:

1. Researcher and post-graduate student in department of Endodontology ACTA.
2. Working as a dentist in Tandartsenpraktijk Harlemmermeer
3. Assistant professor, Dental Materials Research Center and Department of Operative Dentistry, School of Dentistry, Isfahan University of Medical Sciences, Isfahan, Iran

March 2010:

PhD from ACTA, Department of Dental Materials, under supervision of Prof.dr. AJ Feilzer. Thesis entitled: Influence of oral environmental factors on dental resin-based composites

2006-2010: PhD researcher in Department of Dental Materials Sciences

2003-2006: Working as a dentist in his own private clinic, Shahreza, Iran

2001-2003: Working as a dentist in a public clinic, Jahrom, Iran

2001: DDS from Dental school of Isfahan University of Medical Sciences with honors (cum laude)

1995: High school diploma with highest honours (summa cum laude)

Main activities:

- Endodontic Bio-materials
- Restoration of endodontically treated teeth
- Fiber post cementation techniques & Improvement of adhesion to fiber-posts
- Towards new methods for root canal obturation
- The use of CBCT in endodontics
- Direct and Indirect resin-based composites: Mechanical, chemical and
- Degradation of dental composites: Bio, Chemo, and Mechanical degradation
- Adhesion to zirconia surface

Publications:

1. Marginal adaptation of zirconia complete-coverage fixed dental restorations made from digital scans or conventional impressions: A systematic review and meta-analysis.
Tabesh M, Nejatidanesh F, Savabi G, Davoudi A, Savabi O, **Mirmohammadi H.J** Prosthet Dent. 2020 Apr
2. Feasibility of Cone-beam Computed Tomography in Detecting Lateral Canals before and after Root Canal Treatment: An Ex Vivo Study.
Sousa TO, Hassan B, **Mirmohammadi H**, Shemesh H, Haiter-Neto F.
J Endod. 2017 Jun;43(6):1014-1017
3. Accuracy of Cone Beam Computed Tomography in the detection of a second mesiobuccal root canal in endodontically treated teeth, ex vivo study.
Hesam Mirmohammadi, Lamees Mahdi, Poerya Partovi, Abbas Khademi, Hagay Shemesh, Bassam Hassan. J Endod. 2015 Oct;41(10):1678-81
4. Management of merged external/internal root resorption using CEM cement: A case report. **Mirmohammadi H**, Asgary S Journal of Oral Research 2018;vol: 7, N 8, pages: 318-322

5. Management of Symptomatic Horizontal Midroot Fractures after Unsuccessful Orthograde Endodontic Retreatments. Asgary S, **Mirmohammadi H**, Parhizkar A, Cureus 2019 Aug 24; 11(8)

6. Intra-manufacture Diameter Variability of Rotary Files and Their Corresponding Gutta-Percha Cones Using Laser Scan Micrometre.
Hesam Mirmohammadi, Monika Sitarz, Hagay Shemesh. Ir. J.E. 2018 Spring;13(2):159-162.

7. Effect of adhesive resin type for bonding to zirconia using two surface pretreatments. Pouran Samimi, Amineh Hasankhani, Jukka Pekka Matinlinna, **Hesam Mirmohammadi**. J Adhes Dent. 2015 Aug;17(4):353-9

8. The correlation between fluid transport and push-out strength in root canals filled with a methacrylate-based filling material.
Moinzadeh AT, **Mirmohammadi H**, Hensbergen IA, Wesselink PR, Shemesh H. Int Endod J. 2014 Apr 21.

9. Effect of post diameter and cement thickness on bond strength of fiber posts.
Mirmohammadi H, Gerges E, Salameh Z, Wesselink PR. Quintessence Int. 2013 Nov-Dec;44(10):801-10

10. Influence of filler existence on microleakage of a self-etch adhesive system.
Mirmohammadi H, Khosravi K, Kashani K, Kleverlaan C, Feilzer A. J Conserv Dent. 2014 Mar;17(2):175-8

11. Surface characteristics and bioactivity of a novel natural HA/zircon nanocomposite coated on dental implants.Karamian E, Khandan A, Motamedi MR, **Mirmohammadi H**. Biomed Res Int. 2014;2014:410627

12. Effect of a two-step placement procedure on the dislocation resistance of a methacrylate resin-based root canal sealer: a proof of concept.
Moinzadeh AT, **Mirmohammadi H**, T Veenema, Wesselink PR, Shemesh H. J Adhes Dent. 2014 Dec;16(6):567-74

13. Influence of salivary enzymes and alkaline pH environment on fatigue behaviour of resin composites
Mirmohammadi H, Kleverlaan CJ, Aboushelib MNM, Feilzer AJ. Am J Dent.

- 2011 Feb;24(1):31-6.
14. Influence of enzymatic degradation on zirconia resin bond strength using different surface treatments
Mirmohammadi H, Aboushelib MN , Salameh Z, Kleverlaan CJ, Feilzer AJ. Am J Dent. 2010 Dec;23(6):327-30.
15. Innovations in bonding to zirconia based ceramics: Part III. Phosphate monomer resin cements.
Mirmohammadi H, Aboushelib MN, Salameh Z, Feilzer AJ, Kleverlaan CJ. Dent Mater. 2010 Aug;26(8):786-92. Epub 2010 May 21.
16. The influence of rotating fatigue on the bond strength of zirconia-composite interfaces.
Mirmohammadi H, Aboushelib MN, Kleverlaan CJ, de Jager N., Feilzer AJ. Dent Mater. 2010 Jul;26(7):627-33. Epub 2010 Apr 13.
17. Rotating fatigue and flexural strength of direct and indirect resin-composite restorative materials.
Mirmohammadi H, Kleverlaan CJ, Feilzer AJ. Rotating fatigue and flexural strength of direct and indirect resin-composite restorative materials. Am J Dent 2009, 22(4):219-22.
18. Innovations in bonding to zirconia-based materials. Part II: Focusing on chemical interactions.
Aboushelib MN, **Mirmohammadi H**, Matinlinna JP, Kukk E, Ounsi HF, Salameh Z. Dent Mater. 2009, 25(8):989-93.
19. General principles for achieving adequate bond to all-ceramic restorations.
Moustafa N. Aboushelib, Mona Ghoniem, **Hesam Mirmohammadi** and Ziad Salameh. JDOH 2009;1(3),036-041
20. Comparison of the use of silk sutures and Cyanoacrylate tissue glue after periodontal flaps in patients with moderate periodontitis.
Mogharehabed A., **Mirmohammadi S.H.** Majalah-I-Dandanpizishki Summer 2006; 18(2 (59)):44-50

Presentations:

- 1- Invited speaker Jun 2019, 4th Iranian Academy of Cosmetic & Restorative Dentistry, Mashhad, Iran
- 2- Invited speaker September 2018, 18th International Congress of Iranian Association of Endodontists, Tehran, Iran
- 3- Invited speaker Jun 2018, 3rd Iranian Academy of Cosmetic & Restorative Dentistry, Isfahan, Iran
- 4- Invited speaker December 2017, 3rd Iranian International Endodontic Symposium, Isfahan, Iran
- 5- Invited Speaker April 2016, Department of endodontics, Dental School, Shahid Beheshti University, Title: Non-surgical Endodontic Retreatment
- 6- Invited Speaker Feb. 2016, Department of endodontics, Dental School, Shahid Beheshti University, Title: Restoration of Endodontically Treated Teeth.
- 7- Invited Speaker March 2016: International congress of Conservative Dentistry, Isfahan University of Medical Sciences, Isfahan, Iran.
- 8- Hands on Workshop director entitled : Application of MTA in Endodontics
- 9- Invited Speaker May 2014, Department of Dental Materials, Dental School, Isfahan University of Medical Sciences, Isfahan, Iran, Title: Updates on Adhesion to Zirconia
- 10- Invited Speaker IAE 16th congress, Isfahan Aug-2014, Title: Endodontics Applications of CBCT
- 11- Invited Speaker Nov-2014, Islamic Azad University Isfahan (Khorasgan), Title: Endodontics Applications of CBCT and Restoration of Endodontically Treated Teeth
- 12- Invited Speaker Nov-2007, The 7th International Congress of Iranian Academy of Restorative Dentistry, Shiraz, Iran. Title: Indirect full composite crowns, prospective clinical study with 3 years follow up.
- 13- Oral presentation March 2011, IADR/AADR/CADR 89th General Session, SanDiego, Calif. USA. Title: Optimal resin cement thickness for fiber-post cementation
- 14- Poster presentation July-2010, 88th General Session & Exhibition of the IADR

Barcelona, Spain

15- Poster presentation March 2010, 39th Annual Meeting & Exhibition of the AADR
34th Annual Meeting of the CADR, Washington, DC, USA

16- Poster presentation April 2008, 37th Annual Meeting & Exhibition of the AADR
Dallas, Texas, USA

Dr. Hedayat award -2015 -for writing a book chapter:

- First Edition: Chapter 27 - Resin-based ceramic matrix composite materials in dentistry
, Pages 656-677, H. Mirmohammadi

Advances in Ceramic Matrix Composites Edited by:I.M. Low ISBN: 978-0-85709-120-8

Second Edition: Chapter 30, pages: 763-788.

Diplomas:

- 1- MSc in Endodontics, 2013 ACTA, Amsterdam, the Netherlands
- 2- Use of Conbeam CT, 2013 ACTA, Amsterdam, the Netherlands
- 3- Radiology level 5A/M, 2012 ACTA, Amsterdam, the Netherlands
- 4- PhD in Dental Materials and Restorative, 2010 ACTA, Amsterdam, the Netherlands
- 5- DDS Dentistry, Isfahan University of Medical Sciences, 2001

Certificates:

- 1- GRADE for scientific reviews, September-2014, CBO, Utrecht, the Netherlands.
- 2- VDW Reciproc/ Guttafusion course, October 2013, Munich, Germany.
- 3- Cone beam CT in endodontics, September 2013, ESE, Lisbon, Portugal
- 4- The extracellular matrix of biofilms, September 2013, ESE, Lisbon, Portugal
- 5- Endo A to Z, September 2012, Dentsply Maillefer, Ballaigues, Switzerland.
- 6- Ankylose implants, May 2009, Dentsply, Frankfurt, Germany
- 7- The use of Ultrasonic, September 2010, Henry Schein, Almere, the Netherlands
- 8- Irrigation methods and obturation techniques, September 2010, Henry Schein, Almere, the Netherlands

Language skills:

Mother Language: Persian (Farsi)

Other languages:

- Dutch: good
- English: good
- Arabic: Weak

References:

- **Prof. Dr. Albert Feilzer,**
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e-mail: a.feilzer@acta.nl
- **Prof. dr. Pual Wesselink**
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