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**Associate Professor of Endodontics**  
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### **Educational background**

(1996-2002) Doctor of Dental Surgery (DDS), Faculty of Dentistry, Tabriz University of Medical sciences, Tabriz-Iran.

(2005-2008) Master of Science in Endodontics (MSD), Faculty of Dentistry, Shahid Beheshti University of Medical Sciences, Tehran-Iran.

Research Fellowship, Medical University of Vienna, Austria (2018).

### **Academic & administrative position**

Associate Professor of Endodontics, Faculty of Dentistry, Tabriz University of Medical Sciences

Course director, lecturer, instructor, Department of Endodontics, Tabriz University of Medical Sciences.

**Vice Chancellor for Research, Tabriz University of Medical Sciences, Tabriz, Iran.**

## **Teaching Responsibilities**

**Tabriz Dental Faculty,** Department of Endodontics (undergraduate course)

Fall 2007 – Present      Theory and Practice, course director, series of Lectures, instructor: Diagnosis and treatment planning in Endodontics, Retreatment in Endodontics, Vital Pulp Therapy in Endodontics, Bleaching, Dental Implants.

**Tabriz Dental Faculty,** Department of Endodontics (Postgraduate Course)

Fall 2007 – Present      Theory and Practice, course director, series of lectures, instructor: Endodontics Textbooks (Ingle Endodontics, Pathways of the pulp, Dental pulp), Journal Clubs, particularly in the Regenerative Endodontics techniques.

## **Research interests**

Tissue Engineering and Regenerative Endodontics

Evaluation of properties related to new biomaterials and techniques

Nanotechnology and Nano materials in Dentistry

New intra-canal antimicrobial agents

## **Publications**

## Books

- 1- Translation of the book entitled: *Pathways of the pulp 2006*. Authors: Cohen S, Hargreaves KM. 9th edition (English to Persian).  
Supervisor: Kangarloo A. Translators: **Samiei M**, Rahimi H et al. Tehran: Hayyan Inc; 2007.
2. Compact Dentistry References (CDR) of *Pathways of the pulp 2006*. Author: **Dr.Mohammad Samiei**, Tehran: Shayan nemodar Inc; 2007.

## Articles

1. Ashraf H, **Samiee M**, Eslami G, Ghodse Hosseini MR. Presence of *Candida Albicans* in root canal system of teeth requiring endodontic retreatment with and without periapical lesions. Iranian Endodontic Journal 2007; 2(1):24-8.
2. Ahangari Z, **Samiee M**, Eslami G, Yolmeh MA. Antimicrobial activity of three root canal irrigants on *Enterococcus Faecalis*: An *in vitro* study. Iranian Endodontic Journal 2008; 3(2):33-7.
3. **Samiee M**, Eghbal MJ, Parirokh M, Mashhadi Abbas F, Asgary S. Repair of furcal perforation using a new endodontic cement. Clin Oral Invest. 2010;14:653-658.
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In vitro comparison of dye penetration through four temporary restorative materials. Iranian Endodontic Journal 2010; 5:59-63. 5.
5. Masoud Parirokh, Saeed Asgary, Mohammad Jafar Aghbal, Shahla Kakoei, **Mohammad Samiee**. A Comparative Study of Using a Combination of Calcium Chloride and Mineral Trioxide Aggregate as the Pulp-capping Agent on Dogs Teeth. J Endod 2011; 37(6): 786-788
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7. Shahriar Shahi, Saeed Rahimi, Hamid Reza Yavari, **Mohammad Samiei**, Maryam Janani, Mahmoud Bahari, Majid Abdolrahimi, Farzaneh Pakdel, Amirala Aghbali. Effects of Various Mixing Techniques on Push-out Bond Strengths of White Mineral Trioxide Aggregate. J Endod 2012;38:501–504.

8. Abolfazl Akbarzadeh, **Mohammad Samiei** , Soodabeh Davaran. Magnetic nanoparticles: preparation, physical properties, and applications in biomedicine. *Nanoscale Research Letters* 2012, 7:144.
9. Sahar Shakouie, **Mohammad Samiei**, Shahriar Shahi, Saeed Rahimi, Amir Yavari, Mohammad F. Reyhani, Sahar Safar Alizadeh. Sealing ability comparison of mineral trioxide aggregate in root-end cavities prepared with ultrasonic and Er,Cr:YSGG laser. *African Journal of Biotechnology* 2012; 11(36):8906-8911.
10. Hamidreza Yavari, **Mohammad Samiei**, Mahsa Eskandarinezhad, Shahriar Shahi, Marzieh Aghazadeh, Yones Pasvey. An In Vitro Comparison of Coronal Microleakage of Three Orifice Barriers Filling Materials. *Iranian Endodontic Journal* 2012;7(3):156-160.
11. Mehrdad Lotfi, Sepideh Vosoughhosseini, Mohammad Ali Saghiri, Saeed Rahimi, Vahid Zand, Mohammad Forough Reyhani, **Mohammad Samiei**, Negin Ghasemi, Payman Mehrvarzfar, Shahram Azimi, Noushin Shokohinejad. 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 University Med J.* 2012; 12(3):323-329.
12. Alireza Valizadeh, Haleh Mikaeili, **Mohammad Samiei**, Nosratollah Zarghami, Samad Mussa Farkhani, Mohammad kouhi, Soodabeh Davaran, Abolfazl Akbarzadeh. Quantum dots: synthesis, bioapplications, and toxicity. *Nanoscale Research Letters* 2012, 7:480.

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17. **Samiei M** , Aghazadeh M , Farhadi F , Shahveghar N, Torab A, Pakdel SMV. Sealing Efficacy of Single-cone Obturation Technique with MTA and CEM Cement: An in Vitro Bacterial Leakage Study. *J Dent Res Dent Clin Dent Prospect* 2014;8(2):77-83.
  
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Chlorhexidine and Sodium Hypochlorite in Infected Root Canals: An in Vitro Study. Iran Endod J. 2016 Summer;11(3):179-83.

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human gingival fibroblasts. *Journal of clinical and experimental dentistry*. 2017 Feb;9(2):e182.

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65. **Samiei M**, Janjić K, Cvikl B, Moritz A, Agis H. The role of sclerostin and dickkopf-1 in oral tissues—A review from the perspective of the dental disciplines. *F1000Research*. 2019 Jan 30;8.

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72. **Samiei M**, Aghazadeh Z, Abdolahinia ED, Vahdati A, Daneshvar S, Noghani A. The effect of electromagnetic fields on survival and proliferation rate of dental pulp stem cells. *Acta Odontologica Scandinavica*. 2020 Mar 16:1-7.
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and the effect on mesenchymal stem cells. *Journal of Advanced Periodontology & Implant Dentistry*. 2020 Apr 8;12(1):25-30.

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## Abstracts

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  4. Yavari HR, Shahi S, Salem Milani A, Reihani MF, **Samiee M**. Missed anatomy: Prevalence and clinical effects. Presented at the 12th international congress of Iranian association of endodontists. Tehran, 2009.
5. Atabak Kashefi mehr, Masomeh Faramarzi, Farzad Esmaeli, **Mohammad Samiei**. OCT, new horizon in Dentistry. 2<sup>nd</sup> Congress of Iranian Association of Oral and Maxillofacial Radiology.Tehran-Iran.
6. Farhang Mahboub, Elnaz Moslehifard, **Mohammad Samiei**, Masomeh Faramarzi. Effect of Conventional Fixed prosthetics on the health of

periodontium. 9<sup>th</sup> congress of Iranian Academy of Periodontology. 9-11 Dec 2009. Tehran-Iran.

7. **Mohammad Samiei**, Farhang Mahboub, Elnaz Moslehifard. Regenerative Techniques for treatment of Endodontic and Periodontal Defects. 9<sup>th</sup> congress of Iranian Academy of Periodontology. 9-11 Dec 2009. Tehran-Irans.
8. **Mohammad Samiei** .Comparison of apical microleakage in root-end cavities prepared by Ultrasonic and Er Cr: YSGG laser. Presented at the international congress of World Federation for Laser Dentistry (WFLD) 10 March 2010- Dubai-UAE.
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11. **Samiei M**, Shahi S, Oonchi M. Apical Microleakage Comparison of Four Root-End Filling Materials. International Association for Dental Research (IADR General Session).16-19 March, 2011-San Diego, California-USA.
12. **Samiei M**, Rikhtegaran S, Shakoui S, Taghavi P, Pakdel SMV. Comparison of Root Canal Cleaning Efficacy of Nd:YAG Laser With Conventional Techniques. World Federation for Laser Dentistry (WFLD) –European Congress.9-11 June 2011- Rome-Italy.
13. **Samiei M**, Pakdel F, Pakdel SMV. Apical microleakage of CEM cement in laser prepared root-end cavities. The 6th Annual meeting of the IADR Iranian division, 2011, Tehran-Iran.
14. Pakdel SMV , **Samiei M**, Aghazadeh M, Aghazadeh Z. Bacterial leakage evaluation of Single –Cone obturation technique. The 6th Annual meeting of the IADR Iranian division, 2011, Tehran-Iran.
15. Aghazadeh Z, **Samiei M**, Janani M, Pakdel SMV. Knowledge, Attitude and practice of Tabriz GDPs about root canal irrigants. The 6th Annual meeting of the IADR Iranian division, 2011, Tehran-Iran.
16. **Samiei M**, Shahi S, Yavari HR. The Antibacterial efficacy of Er, Cr: YSGG laser and 2% Chlorhexidine solution on E. Faecalis in infected root canals. Second Pan Arab Endodontic Conference. Jan 1-3 2012, Dubai-UAE.
17. **Samiei M**, Pakdel F, Pakdel SMV .Evaluation of the efficacy of dental Lasers during non-surgical endodontic retreatment. Second Pan Arab Endodontic Conference. Jan 1-3 2012, Dubai-UAE.
18. **Samiei M**, Rahimi S, Mahmoudi R , Pakdel SMV. Sealing ability of three different thicknesses of Calcium Enriched Mixture (CEM) Cement as a new root-end filling material. Second Pan Arab Endodontic Conference. Jan 1-3 ,2012, Dubai-UAE.

19. Janani M, Aghbali AA, **Samiei M**. New techniques of Irrigation and disinfection of root canal system. The 52th Annual international congress of Iranian Dental Association. 8-11 may, 2012. Tehran, Iran.
20. Gholizadeh S, Rahimi S, Reyhani MF, **Samiei M**. Electron microscope Evaluation of formation of *Enterococcus faecalis* bacterial biofilm on the dentinal canal walls of the root. 15<sup>th</sup> annual congress of the Iranian Association of Endodontics (IAE). 14-16 June, 2012. Hamadan, Iran.
21. **Samiei M**, farhadi F, Yavari HR, Jafari F. Comparative Study of Polymicrobial Microleakage In Intra-orifice Sealing Materials. International Association for Dental Research (IADR /LAR General Session). June 20-23, 2012, Iguacu Falls, Brazil.
22. New simulated plasma for assessing solubility of Mineral Trioxide Aggregate. International workshop on dentistry. June 2014, Ankara, Turkey.
23. Effect of simvastatin on osteogenic capability of dental pulp stem cells transferred onto polymeric scaffolds. 2nd international symposium on mesenchymal stem cell differentiation. Odense- Southern Denmark, 27-28 June, 2016.
24. Effect of Platelet – Rich – Plasma (PRP) and MTA on angiogenesis of dental pulp stem cells transferred to polymeric scaffolds. 13th international conference and exhibition on dental medicine. Toronto- Canada, Aug 08-10, 2016.

### **Professional memberships**

Member of Iranian Dental Association (IDA)

Member of Iranian Association of Endodontists (IAE)

Member of Iranian Center for Endodontic Research (ICER)

**Member of European Society of Endodontology (ESE)**