

Fariba Motevasselian DDS, M.Sc

motevaselianfariba@gmail.com

EDUCATION:

- **M.S.c (Conservative Dentistry)**
Eastman Dental Institute, University College London, United Kingdom 2011-2012
- **M.S.c (Restorative and Esthetic Dentistry Residency)**
Tehran University of Medical Sciences, TUMS, Tehran, Iran 2001-2004
- **D.D.S (Doctor of Dental Surgery)**
Tehran University of Medical Sciences, TUMS, Tehran, Iran 1994-2000

PROFESSIONAL EXPERIENCE:

- **Assistant Professor and Researcher**
Restorative Dentistry Department of Tehran University of Medical Sciences, Tehran, Iran
Highlights: faculty, didactic and clinical training for undergraduate and postgraduate students in Operative Dentistry and Fixed Prosthodontics. Mentor, and supervisor for undergraduate and postgraduate students' research theses. Organizing and leading the weekly journal clubs.
Jan 2015- Present
- **Vice-President of International Affairs**
Restorative Dentistry Department of Tehran University of Medical Sciences, Tehran, Iran Highlights: Communicating with international dental schools and conducting joint research programs, seminars, and lectures.
Feb 2015- Present Tehran, Iran
- **Founder & CEO- Lead Dentist**
Fariba Motevasselian Restorative and Aesthetic Specialty Clinic, Tehran, Iran
Feb 2013 - Present
- **Associate Specialist in Restorative and Aesthetic Dentistry**
Municipal Dental Clinic, District 6, Tehran, Iran
Jan 2013 to July 2013

- **Founder & CEO- Lead Dentist**
Fariba Motevasselian Restorative and Aesthetic Specialty Clinic, Tehran, Iran
May 2007- February 2010
- **Associate Specialist in Restorative and Aesthetic Dentistry**
Municipal dental clinic, District 3, Tehran, Iran,
April 2007 to March 2009
- **Assistant Professor and Researcher**
Restorative Dentistry Department of Tehran University of Medical Sciences, Tehran, Iran
Feb 2005- July 2010
- **Associate Dentist**
Fatemeh Salamat Dentistry Specialized Center of Qom, Tehran, Iran
Nov 2004- May 2006

RESEARCH PROJECTS:

- The effect of Polyhedral oligomeric silsesquioxanes (POSS) on polymerization shrinkage and microleakage of a resin-modified glass ionomer cement, Mentor for undergraduate thesis, 2023
- The effect of Polyhedral oligomeric silsesquioxanes (POSS) of dentin bond strength of a resin-modified glass ionomer cement, Mentor for undergraduate thesis, 2023
- The Influence of ionomers molecular weight on shear bond strength of glass-ionomer cement dentin. Mentor for Undergraduate thesis, 2023
- The evaluation of anti-bacterial effect of Helium and Argon low-temperature plasma on cariogenic bacteria at different time intervals: An in vitro study, Mentor for Postgraduate thesis, 2023
- The evaluation of the antibacterial effect of non-thermal plasma on cariogenic bacteria: A clinical study. Mentor for Postgraduate thesis, 2023
- Fatigue resistance and stress distribution of ceramic endocrown on a molar tooth with and without biobase: A finite element analysis, Mentor for Postgraduate thesis, 2023
- Effect of marginal preparation design on the fracture load of endocrown restoring premolar teeth: an in vitro study- Mentor for Postgraduate thesis, 2021
- Designing and validating Multiple Mini-Interview (MMI) in order to evaluate the non-cognitive abilities of the first-year dental students of Tehran University of Medical Sciences in 2021, Mentor for Undergraduate thesis, 2021
- **Motevasselian F (postgraduate research thesis).** The effect of Parylene-C coating on the water sorption, solubility, and staining of PMMA. Defended at *Eastman Dental Institute, University College London, United Kingdom*, Published as a postgraduate research project, 2012

- Scanning electron microscopic study of structural characteristics of intact and treated root canal dentin and coronal dentin: A descriptive study. TUMS, Advisor for undergraduate research thesis, 2010
- **Motevasselian F. (postgraduate research thesis)**. Temperature rise and degree of photopolymerization conversion of nanocomposites and conventional dental composites. *Defended at Tehran University of Medical Sciences*, 2004
- **Motevasselian F. (undergraduate research thesis)**. Evaluation of type and origin of jaw infections in patients referred to the Oral Surgery Department of TUMS. *Defended at Tehran University of Medical Sciences*, 2000

PUBLICATIONS:

- **Motevasselian F**, Kermanshah H, Amiri Z, Baghbani F. Conservative management of uneven anterior teeth spacing using lingual porcelain laminate veneers, Submitted to *Front Dent* 14th Oct 2023
- Kermanshah H, Abdulshahed Al-Tufaili MY, Abbasi H, Fathollah S, **Motevasselian F (corresponding author)**. Remineralizing effect of plasma and Activa Bioactive restorative on remineralization of carious dentin, Submitted to *Free Radic Biol Med* 4th July 2023
- **Motevasselian F (corresponding author)** Abdi Kh, Ghodarati H, Shamshiri AR, Lipper F, Hossein H. The role of lead and cadmium in deciduous teeth and saliva on dental caries in children residing in Tehran, Iran. *J Trace Elem Med Biol*. 2023 Sep;79:127209
- Fariba Motevasselian (**corresponding author**), Kermanshah H, Dortaj D, Lippert F. Effect of pH of in-office bleaching gels and timing of fluoride gel application on microhardness and surface morphology of enamel. *Int J Dent* 2023.doi.org/10.1155/2023/1041889
- Hashemikamangar SS Jamal Falih R; Chiniforush N, **Motevasselian F (corresponding author)**. Effect of antimicrobial photodynamic therapy with different photosensitizers and adhesion protocol on the bond strength of resin composite to sound dentin. *Clin Oral Investig*. Jan. 14, 2022 doi: 10.1007/s00784-022-04370-8
- Kermanshah H, Chiniforush N, Kolahdouz Mohammadi M, **Motevasselian F (corresponding author)**. Effect of diode low-level laser therapy with 915 nm wavelength on pain perception during local anesthesia of maxillary incisors: A Randomized Controlled Trial. *Photochem Photobiol* 2022, 98(6):1471-1475
- **Motevasselian F (corresponding author)**, Kermanshah H, Rasoulkhani E, Özcan M: Comparison of microleakage of an alkaline restorative material, a composite resin, and a resin-modified glass ionomer. *Brazil J Oral Sci* 2021, 20; e213981-e213981
- Omrani L, Abbasi M, **Motevasselian F (corresponding author)**, Yektaei MA, Najafi F. Degree of conversion and water sorption of different flowable restorative materials: an in vitro study. *Braz J Oral Sci*. 2020; 19; e208556-e208556

- Kermanshah H, **Motevasselian F (corresponding author)**, Alavi S, Ozcan M. Effect of ceramic material type on the fracture load of inlay-retained and full-coverage fixed dental prostheses. *Biomater Investig Dent*. 2020; 30; 7(1): 62–70
- **Motevasselian F**, Amiri Z, Chiniforush N, Mirzaei M, Thompson V. In vitro evaluation of the effect of different surface treatments of a hybrid ceramic on the microtensile bond strength to a luting resin cement. *J Lasers Med Sci*. 2019; 10(4): 297-303
- Nekoofar MH, **Motevasselian F (corresponding author)**, Mirzaei M, Yassini E, Pouyanfar H, Dummer PMH. The micro-shear bond strength of various resinous restorative materials to aged Biodentine™. *Iran Endod J*. 2018; 13(3): 356-361
- **Motevasselian F (corresponding author)**, Zibafar E, Yassini E, Mirzaei M, Pourmirhoseni N. Adherence of *Streptococcus Mutans* to microhybrid and nanohybrid resin composites and a dental amalgam. *J Dent (Tehran)*. 2018; 14(6): 337-343
- **Motevasselian F (corresponding author)**, Yasini E, Mirzaee, Shaffee M. M. A comparative evaluation of microleakage of class V composite restorations using a universal bonding agent with self-etch and total-etch modes: An in vitro assessment. *Journal of Islamic dental association of Iran*. Winter 2016; 28(1):14-18
- Yasini E, Mirzaee, Kermanshah H, Habibi E, **Motevasselian F (corresponding author)**. Effect of type of surface treatment and adhesive on shear bond strength of composite resin to a non-precious alloy. *Journal of Islamic dental association of Iran*. Spring 2016; 28(2): 64-71
- **Motevasselian F (corresponding author)**, Eugene Cheung, Steven Soo, Aviva Petrie, Haralampos Petridis. The effect of Parylene-C coating on the surface free energy, water sorption, solubility, and staining of PMMA. *J Chem Applications*. 2014; 1(1): 1-7
- **Motevasselian F**. Poster presentation: Conservative Restorative Management of Worn Dentition Using Dahl Concept. *Int Dent J*. 2015; 65 (Suppl. 1): 1-57
- **Motevasselian F (postgraduate research thesis)**, Steven Soo, Aviva Petrie, Haralampos Petridis. The effect of Parylene-C coating on the water sorption, solubility, and staining of PMMA. Defended at *Eastman Dental Institute, University College London, United Kingdom*, Published as a postgraduate research project, 2012
- Kermanshah H, **Motevasselian F**. Immediate tooth replacement using fiber-reinforced composite and natural tooth pontic. *Oper Dent*. 2010; 35(2): 238-45
- Mirzaei M, Atai M, Yassini E, **Motevasselian F (corresponding author)**, Asadi E. The effect of incorporating different concentrations of ethanol as a solvent on the micro-shear bond strength of a solvent-free dentin bonding agent. *The Journal of Islamic dental association of Iran*. Fall 2010; 22(3): 190-195
- Pahlevan A, Mirzaei M, **Motevasselian F. (Mentor for undergraduate research thesis.)** Scanning electron microscopic study of structural characteristics of intact and treated root canal dentin and coronal dentin: A descriptive study. TUMS, *published as an undergraduate research thesis, 2010*
- Atai M, **Motevasselian F**. Temperature rise and degree of photopolymerization

conversion of nanocomposites and conventional dental composites. *Clin Oral Investig*, 2009; 13(3): 309-316

- **Motevasselian F. (postgraduate research thesis).** Temperature rise and degree of photopolymerization conversion of nanocomposites and conventional dental composites. *Defended at Tehran University of Medical Sciences*, 2004
- **Motevasselian F. (undergraduate research thesis).** Evaluation of type and origin of jaw infections in patients referred to the Oral Surgery Department of TUMS. *Defended at Tehran University of Medical Sciences*, 2000

PRESENTATIONS:

- **Motevasselian F.** Virtual demonstration on the Restoration of Structurally Compromised endodontically treated tooth. TUMS, Tehran, Iran, Winter School, Feb. 2021
- **Motevasselian F.** A review on monolithic translucent zirconia. Poster presentation at International College of Prosthodontists (ICP), Netherlands, Amsterdam, Sep. 4-7, 2019
- **Motevasselian F.** First award for poster presentation “Silver Diamine Fluoride and its therapeutic effect. 18th Congress of Iranian Association of Pediatric Dentistry, Tehran, Iran, July 23-26, 2019
- **Motevasselian F.** Plasma application in Restorative Dentistry. 13th Annual Congress of Iranian Division of International Association for Dental Research. Tehran, Iran, Dec. 12-13, 2018
- **Motevasselian F, Kermanshah H.** Abstract presentation:” Conservative management of uneven maxillary anterior teeth spacing using palatally placed porcelain veneers” at FDI, Buenos Aires, Argentina, Sep. 5-8, 2018
- **Motevasselian F.** A review of bioactive dental restorative material. The first International Iranian Tissue Engineering and Regenerative Medicine Congress (ITERMC), Tehran, Iran, July 18-20, 2018
- **Motevasselian F.** Poster presentation: Pediatric Zirconia Crowns: Changing pediatric restorative dentistry. 16th Congress of Iranian Association of pediatric dentistry. Tehran, Iran, July 11-14, 2017
- **Motevasselian F.** A review of dental implant materials. Video presentation at International Conference on Restorative Dentistry and Prosthodontics, Huston, USA, Oct. 20-21, 2016
- **Motevasselian F.** Caries management of deep caries lesions. 16th Congress of Iranian Academy of Restorative Dentistry. Tehran, Iran, Oct. 25-28, 2016
- **Motevasselian F.** Panel director. 15th Congress of Iranian Academy of Restorative Dentistry, Tehran, Iran, Nov. 10-13, 2015
- **Motevasselian F.** Dentin hypersensitivity: Recent trends in the management. 15th Congress of Iranian Academy of Restorative Dentistry, Tehran, Iran, Nov. 11-13, 2015

- **Motevasselian F.** Conservative restorative management of worn dentition using Dahl concept. ICP (International College of Prosthodontists), Seoul, South Korea, Sept .17-20, 2015
- **Motevasselian F.** Conservative restorative management of worn posterior teeth. 14th Congress of Iranian Academy of Restorative Dentistry, Tehran, Iran. Nov. 11-14, 2014
- **Motevasselian F.** Poster presentation: Conservative Restorative Management of Worn Dentition Using Dahl Concept. FDI (Fédération Dentaire Internationale) Annual World Dental Congress, New Delhi, India, Sept. 11-14, 2014
- **Motevasselian F.** Poster presentation. Eugene Cheung, Steven Soo, Aviva Petrie, Haralampos Petridis. ICP (International College of Prosthodontists), Torino, Italy, Sept. 18-21 2013
- **Motevasselian F.** Tooth wear Management workshop. 9th Iranian and 13th Kuwait Division of IADR (International Association of Dental Research) joint congress, Tehran, Iran, Dec. 11-13, 2013
- **Motevasselian F.** Tooth wear Management. 9th Iranian and 13th Kuwait Division of IADR (International Association of Dental Research) joint congress, Tehran, Iran, Dec. 11-13, 2013
- **Motevasselian F,** Eugene C, Soo S., Lambis P, Petri A. The effect of Parylene-C coating on the surface free energy, water sorption, solubility, and staining of PMMA. FDI (Fédération Dentaire Internationale) Annual World Dental Congress, Istanbul, Turkey, Aug. 28-31, 2013
- Kermanshah H, **Motevasselian F.** Immediate tooth replacement using fiber-reinforced composite and natural tooth pontic. 9th Congress of Iranian Academy of Restorative Dentistry, Tehran, Iran, Nov. 11-13, 2009
- Pahlevan A, Mirzaee M. **Motevasselian F.** Scanning electron microscopic study of the structural characteristic of intact and treated root canal dentin and coronal dentin: a descriptive study. 9th Iranian Academy of Restorative Dentistry, Tehran, Iran, Nov. 11-13, 2009
- Atai M, **Motevasselian F.** Assessment of curing depth of nanofill and hybrid composite with blue LED and halogen lamps. 5th Congress of Iranian Academy of restorative dentistry, Tehran, Iran, Nov. 9-12, 2005
- Atai M, **Motevasselian F.** Temperature rise and degree of conversion during photopolymerization of two composite resins using different curing units. 4th International Seminar on polymer science and Technology (ISPST), Tehran, Iran, Sep. 27-29, 2005
- Atai M, **Motevasselian F.** Temperature rise and degree of conversion during photopolymerization of two composite resins using different curing units. The 4th Congress of Iranian Academy of Restorative Dentistry, Mashhad, Iran, Nov. 17-19, 2004

WORKSHOPS AND SEMINARS:

- Seminar manager of “challenges in the detection and treatment of caries”.20th congress of conservative and restorative Dentistry. Tehran, Iran, 1thNov 2023
- Tooth wear discussion panel manager. 20th congress of conservative and restorative Dentistry. Tehran, Iran, 3rdNov 2023
- Webinar moderator: “Treatment Planning of the esthetic compromised patient, a balance between Esthetics, Function and Scientific Evidence ... tips, tricks & a message”. Presented by Prof. Dr. Carlos R. Parra Atala Director of Implantology Graduate Program, University UNAB, Chile, July 7, 2023
- Participating in the one-day course: Non-Invasive and Mini-Invasive Procedures to Improve Esthetics and Occlusion: Rehabilitation of bruxism and TMJ Disorder in patients using additive and non-invasive prostheses, Professor Camillo D’Arcangelo, Restorative Dentistry Department, University of Chieti, Italy. Exhibition and Congress of Iranian Dental Association, Tehran, Iran, 16th June 2023
- Webinar moderator: “Effective bonding to ceramics”. Presented by Ricardo Carvalho, Professor & Head Department of Oral Biological and Medical Sciences, Professor of Biomaterials, Faculty of Dentistry, University of British Columbia, Vancouver, Canada, Feb. 18, 2022
- Moderator of the online virtual short-course program: “An introduction to evidence-based dentistry”. Nov. 18- Dec. 23, 2020
- Moderator and lecturer: International Summer schools of Restorative Dentistry Department from 2017 to 2019 and virtual Winter school, Feb 2021 and Winter school, Jan. 2022. Tehran, Iran, 2017-2022
- Moderator: Virtual joint program between Tehran University of Medical Sciences and Yeditepe University “Advancement in Treatment approaches: Focusing on Emergency Cases”. Sep. 18-19, 2021
- Webinar moderator: “Ceramic update and Cementation of fixed dental prostheses”. Presented by Professor Jean Francois Roulet, Director of Center for Dental Biomaterials, University of Florida, College of Dentistry, Dept. Restorative Dental Sciences, June 11, 2021
- Webinar moderator: “Translation of quality research into practice”. Presented by Saadika Khan, Associate Professor, Department of Restorative Dentistry, University of the Western Cape, Cape Town, South Africa, June 25, 2020
- Webinar moderator: “Restoration of Endodontically Treated Teeth: An Evidence-Based Dentistry Approach.” Presented by Dr. Mario Bresciano, Hon. Secretary, European Prosthodontic Association Specialty Recognition Committee and Past President, The International College of Prosthodontists, July 2020
- International Restorative Dentistry Symposium –TUMS and Professor Mutlu Ozcan, University of Zurich Center of Dental Medicine, Sept 2019
- World Health Summit, Regional meeting, Iran, Kish Island, Apr 29-30, 2019
- Formal invitation to visit the laboratories of Professor Robert Hill, Barts, and The London School of Medicine and Dentistry, Summer 2018

- First International Iranian Tissue Engineering and Regenerative Medicine Congress (ITERMC), Tehran, Iran, July 18-20, 2018
- Pulp regeneration symposium and workshop. Tehran University of Medical Sciences, Tehran, Iran, Aug. 2-3, 2018
- The first FDI Middle Eastern Regional Congress and 57 EXCIDA, Tehran, Iran, May 14-18, 2017
- The seminar on Internationalization of higher education, Tehran University of Medical Sciences, Tehran, Iran, April 29-30, 2017
- Young Prosthodontic Educator (YPE) Workshop. Karlsruhe, Germany, Oct. 16-19, 2016
- Participating in ERASMUS MUNDUS program funded by the European Union in a short-term research program in stem cell culture at the University of Santiago De Compostela, Spain, Oct. 2016
- The first FDI Persian Regional Congress, 34th ICOI (International Congress of Oral Implantologists World Congress), and 56th EXCIDA (Exhibition & Congress of Iranian Dental Association), Tehran, Iran, May 16-20, 2016
- Participating in “The symposium of stem cell and regenerative dentistry in oral and craniomaxillofacial diseases”. Tehran University of Medical Sciences, Tehran, Iran, Dec 31, 2015 -Jan 1, 2016
- The 16th meeting of the International College of Prosthodontists, Seoul, Korea, Sep 17-20, 2015
- Participating in a 40-hour course on “The prosthetic aspect of oral implantology”. The Center for Dental Sciences Development, Tehran, Iran, March 2014
- Observing Dentist, Glostrup tandklinik Hovedejen 65 2.th.2600 Glostrup, Denmark 3, three-month period, 2014
- Participating in the hands-on course of "Single visit chairside CAD-CAM prosthetic restoration". FDI, Istanbul, Turkey, Aug. 28-31, 2013
- Participating in 101st FDI Annual World Dental Congress, Istanbul, Turkey, Aug. 28-31, 2013
- Participating in “Radiography in dental practice which meets the IR(ME)R 2000 requirement course”. Eastman Dental Institute, Eastman Dental Institute. London, England, 2011
- Participating in an Adult basic life support course. Eastman Dental Institute, Eastman Dental Institute. London, England Sep. 2011
- Participating in “Advanced direct and indirect esthetic restorations three-day seminar”. Presented by Dr. Barghi, Iranian Academy of Cosmetic and Restorative Dentistry, Tehran, Iran, May 19-20, 2011
- Workshop of “The principle of tissue engineering and scaffold fabrication”. Stem cell research Center and Sabz Biomedical Company, Tehran, Iran, May 13, 2010
- Participating in “Dentin bonding, 7th generation, and Esthetic composite seminar”. Presented by Dr. Tagami, Iranian Academy of Cosmetic and Restorative Dentistry, Tehran, Iran, Jan. 2010

- Participating in “The metal-free esthetic restoration two-day seminar”. Presented by Dr. MacLaren from UCLA University, TUMS, Tehran, Iran, June 2009.
- Participating in the “Advanced Direct and Indirect Esthetic Restoration” seminar presented by Dr. Barghi from the University of Rochester, School of Dentistry. June 22-23, 2006
- Workshop of “Polymer in dentistry including FTIR spectroscopy, mechanical properties, shrinkage, thermal analysis”. Iran Polymer and Petrochemical Institute, Tehran, Iran, Dec. 17-18, 2006
- Participating in “FRC bridges hands-on course”. Tehran, Iran, June 2003

RESEARCH INTERESTS:

- Study on the physical and mechanical properties of dental composites
- Study on mechanical properties of dental ceramic
- Developing a remineralizing dentin resin adhesive
- Bio-remineralization of carious dentin
- The dentinogenic potential of calcium silicate cement, bio-ceramics, and bioactive glasses on stem cells isolated from dental pulp

AWARDS:

- Research Excellence Program, University Santiago de Compostela -Iran, 2017
- Participation Award at “The Young Prosthodontic Educators” workshop, Germany, Oct. 2016
- First award for thesis in Operative Dentistry (Author and Researcher), 7thHedayat Dental Research Festival, Tehran, Iran, 2006

ACHIEVEMENTS:

- Reviewer of Frontiers in Dentistry, Journal of Dental Medicine and Biomaterial Investigations in Dentistry *2015 to present*
- Reviewer of BMC oral health
- ICP member (International College of Prosthodontists) *2014 to present*
- IADR member (International Association for Dental Research) from *2013 to 2018*
- Certificate of IELTS 7 general module *2011*
- Certificate of IELTS 7 academic module *2005 and 2010*
- Certificate OET (Occupational English Test) *2006 and 2009*
- Certificate of preliminary examination of Australian Dental Council *2008*

MEMBERSHIPS:

- Member of International College of Prosthodontics *2014 to present*
- Member of IADR *2013 to 2018*
- Member of volunteering service unit of UCLU *2011 to present*
- Member of Iranian Medical Council *2006 to present*
- Member of Iranian Academy of Restorative and Cosmetic Dentistry *2006 to present*

PERSONAL:

- Languages: English, Farsi