

# Curriculum Vitae

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## **Pedram Iranmanesh**

Associate Professor, Department of Endodontics, Dental Research Center, Dental Research Institute, School of Dentistry, Isfahan University of Medical Sciences, Isfahan, Iran

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## **Profile**

- **ORCID:** [orcid.org/0000-0002-4813-4097](https://orcid.org/0000-0002-4813-4097)
- **Google Scholar ID:** Pedram Iranmanesh
- **Scopus ID:** 56319821900
- **Researcher-ID:** M-5673-2017

## **Education**

Ph.D., Dental Research Center, School of Dentistry, Isfahan University of Medical Sciences, Isfahan, Iran (2017– 2022).

**Ph.D. thesis:** Effect of microbial inoculation of root canal on the ability of immature permanent dogs' teeth to regenerate the dentin-pulp complex: an animal study (Score: 20/20).

Evidence-based Clinical Fellowship, Joanna Briggs Institute (2022).

Board Certificate of Endodontics (MSc), School of Dentistry, Isfahan University of Medical Sciences, Isfahan, Iran (2016-2019).

Doctor of Dental Surgery (D.D.S.), School of Dentistry, Isfahan University of Medical Sciences, Isfahan, Iran (GPA: 3.5/4) (2007 – 2013).

**Doctoral thesis:** Stress distribution of luting agent layer in implant supported fixed partial dental prosthesis using finite element analysis (Score: 20/20).

## **Honors & Awards**

- Certificate as “the Pioneer Students of Isfahan University of Medical Sciences”:2011 and 2012
- The Best Student of Isfahan University of Medical Sciences: 2013
- Awarded at The Seventh Congress of Educational Research (Shahid Motahari): 2014
- Awarded the Research Grant of 2000 \$ of National Elites Foundation: 2016
- Certificate as “the Best Paper” at The 15<sup>th</sup> and 16<sup>th</sup> Congress Shahid Dr. Ahmed Hedayat: 2022, 2023

## **Publications**

- 1) Salehi-Pourmehr H, Tahmasbi F, Hosseinpour S, Nouri O, Lotfi B, **Iranmanesh Pedram**, Pashazadeh F, Hajebrahimi S. The Learning Curve in Urogynecology and Functional Urology: A Systematic Review. *International Urogynecology Journal*; 2025. doi: 10.1007/s00192-024-06016-7. **ISI (IF=1.8)**
- 2) Mirmohammadi H, **Iranmanesh Pedram**, Barbaz-Isfahani R, Arzani S, Kolahi J, Dummer P. Leveraging Artificial Intelligence for Gene and Peptide Design. *Dental Hypotheses*; 15 (4), 53-54. **ISI (Emerging Sources Citation Index)**
- 3) Khademi A, Khandan A, **Iranmanesh Pedram**, Heydari M. Development of a 3D Bioprinted Alginate-Gelatin Hydrogel Scaffold Loaded with Calcium Phosphates for Dental Pulp Tissue Regeneration. *Iranian Journal of Chemistry and Chemical Engineering*; 2024: 1-16. doi: 10.30492/ijcce.2024.2038072.6738. **ISI (IF=1.0)**
- 4) Mostafavi YS **Iranmanesh Pedram**, Khademi A, Mehrabi R, Sheikhshoei F, Mohammadi M. Mapping global research in dental pulp regeneration: A 10-year bibliometric analysis. *Dental Research Journal*; 2024: 21(1):31. **(Scopus)**
- 5) Samimi P, **Iranmanesh Pedram**, Khoroushi M, Kafi MH, Jafari N. Bond Strength Evaluation of Ceramic Restorations with Immediate Dentin Sealing: A Systematic Review and Meta-Analysis. *Journal of Dentistry (Shiraz)*; 2024 ;25(3):192-202. **(Scopus)**
- 6) Afshari Z, Khademi A, **Iranmanesh Pedram**. Prospects of artificial intelligence in dentistry. *Dental Research Journal*; 2024: 21(1):35. **(Scopus)**
- 7) Khabiri M, Kamgar S, **Iranmanesh Pedram**, et al. Postoperative pain of single-visit endodontic treatment with gutta-percha versus MTA filling: a randomized superiority trial. *BMC Oral Health*; 2023: 23, 1026. **ISI (IF=2.6)**
- 8) Franco R, Taghizadeh M, **Iranmanesh Pedram**, et al. Whether Enough Attention is Being Paid to the Ethical Concerns Regarding the Use of Artificial Intelligence in Dentistry?. *Dental Hypotheses*; 2023: 14(3):p 69-70. **(Scopus)**

- 9) **Pedram Iranmanesh**, Vedaei A, Salehi-Mazandarani S, et al. MicroRNAs-mediated regulation of the differentiation of dental pulp-derived mesenchymal stem cells: a systematic review and bioinformatic analysis. *Stem Cell Research & Therapy*; 2023: 14 (1), 1-20. **ISI (IF= 8.088)**
  
- 10) Vedaei A, **Pedram Iranmanesh**, Tahani B, Mostafaei A, Talebpour A. Promoting oral and dental healthcare among the elderly in a residential care home in Isfahan: a best practice implementation project. *JBI Evidence Implementation*; 2023: 21 (1), 25-35. **ISI (IF=0.938)**
  
- 11) Khademi A, **Pedram Iranmanesh**, Mosayebi N, Heydari M, Bagherieh S. Effect of premedication on the success of inferior alveolar nerve block in patients diagnosed with irreversible pulpitis: An umbrella review. *Dental Research Journal*; 2023: 20 (1), 75. **(Scopus)**
  
- 12) Mahmoudi S, **Pedram Iranmanesh**, Khazaei S, Jahromi MJ. Immediate and Delayed Post Space Preparations in Endodontically Treated Teeth: A Scoping Review. *BMC Oral Health*; 2022: 22 (1), 1-24. **ISI (IF= 3.747)**
  
- 13) **Pedram Iranmanesh**, Torabinejad M, Saatchi M, et al. Effect of duration of root canal infection on the ability of dentin-pulp complex regeneration of immature permanent teeth: an animal study. *Journal of Endodontics*; 2022: 48 (10), 1301-1307. e2. **ISI (IF= 4.422)**
  
- 14) Birang R, Yaghini J, Farhad SZ, Shadmehri MA, Afshari Z, **Pedram Iranmanesh**, et al. Efficacy of Socket-Shield Technique on Tissue Stability of Immediate Implant Placement: A Systematic Review with Meta-Analysis and Trial Sequential Analysis. *Dental Hypotheses*; 2022: 13 (3), 75. **ISI (Emerging Sources Citation Index)**
  
- 15) **Pedram Iranmanesh**, Khazaei S, Nili M, et al. Anaesthetic efficacy of incorporating different additives into lidocaine for the inferior alveolar nerve block: A systematic review with meta-analysis and trial sequential analysis. *International endodontic journal*; 2022: 55 (7), 732-747. **ISI (IF: 5.165)**
  
- 16) **Iranmanesh Pedram**, Ehsani A, Khademi A, et al. Application of 3D Bioprinters for Dental Pulp Regeneration and Tissue Engineering (Porous architecture). *Transport in Porous Media*; 2022:1–29. **ISI (IF=3.019)**
  
- 17) Sharifi R, Heidarzadi E, Azizi E, Khademi A, Khazaei S, **Iranmanesh Pedram (corresponding author)**. Effect of different separated nickel–titanium rotary instruments on apical microleakage: An in vitro study. *Saudi Endodontic Journal*; 2022: 12 (1), 61. **(Scopus)**

- 18) **Iranmanesh Pedram**, Gowdini M, Khademi A, et al. Bioprinting of three-dimensional scaffold based on alginate-gelatin as soft and hard tissue regeneration. *Journal of Materials Research and Technology* 2021;14:2853–64. **ISI (IF=5.039)**
- 19) **Iranmanesh Pedram**, Tabatabaei SA, Saatchi M, Tahani B, Binandeh EB, Khademi A. Evaluation of the Perceived Confidence of Undergraduate Dental Students in Performing Endodontic Treatment. *Dental Hypotheses* 12 (3), 144. **ISI (Emerging Sources Citation Index)**
- 20) Kolahi J, Khazaei S **Iranmanesh Pedram**, Kim J, Bang H, Khademi A. Meta-Analysis of Correlations between Altmetric Attention Score and Citations in Health Sciences. *BioMed Research International* 2021. 6680764. **(IF= 3.411)**
- 21) Ghafournia M, Eshghi A, Mosleh H, **Iranmanesh Pedram**. Complications after dental rehabilitation under general anesthesia in Isfahan during February to May 2016. *Dental Research Journal*;2021: 18 (53) **(Scopus)**
- 22) Kolahi J, Khazaei S, **Iranmanesh Pedram**, Khademi AA, Nekoofar MH, Dummer PMH. Altmetric analysis of the contemporary scientific literature in Endodontology. *International Endodontic Journal* 2020; 53(3): 308-316. **(IF: 5.165)**
- 23) Kolahi J, Khazaei S, **Iranmanesh Pedram**, Soltani P. Analysis of highly tweeted dental journals and articles: a science mapping approach. *British Dental Journal* 2019; 226 (9): 673-78. **(IF: 1.6)**
- 24) Kolahi J, **Iranmanesh Pedram**, Khazaei S. Altmetric analysis of 2015 dental literature: a cross sectional survey. *British Dental Journal*. 2017;222(9):695-9. **(IF: 1.6)**
- 25) Eslamipour F, **Iranmanesh Pedram**, Borzabadi-Farahani A. Cross-sectional Study of Dental Trauma and Associated Factors Among 9-to 14-year-old Schoolchildren in Isfahan, Iran. *Oral health & preventive dentistry*. 2016;14(5):451-7. **(IF: 0.92)**
- 26) Kolahi J, Khazaei S, Bidram E, Kelishadi R, **Iranmanesh Pedram**, Khademi AA, Nekoofar MH, Dummer PMH. Science Map of Cochrane Systematic Reviews Receiving the Most Altmetric Attention Score: A Network Analysis, *Journal of Scientometric Research*, 2020;9(3):293-299. **ISI (Emerging Sources Citation Index)**
- 27) Khademi A, Roohafza H, **Iranmanesh Pedram**, Yaraghi N, Vali A. Association between psychological factors and pain perception in patients with symptomatic irreversible pulpitis during endodontic treatment, *Giornale Italiano di Endodonzia*, <https://doi.org/10.32067/GIE.2021.35.01.02>. **ISI (Emerging Sources Citation Index)**
- 28) Ghafournia M, Eshghi A, Mosleh H, **Iranmanesh Pedram**. Complications after dental rehabilitation under general anesthesia in Isfahan during February to May 2016. *Dental Research Journal (Isfahan)* 2021;18(1):53. **ISI (Emerging Sources Citation Index)**

- 29) Kolahi J, Dunning D, **Iranmanesh Pedram**, Tofangchiha M. Dental Articles Shared the Most in Twittersphere in 2020. *Dental Hypotheses* 2021;51–3. **ISI (Emerging Sources Citation Index)**
- 30) Kolahi J, **Iranmanesh Pedram**. Wikipedia and Dental Literature. *Dental Hypotheses*. 2018;9:77-9. **ISI (Emerging Sources Citation Index)**
- 31) Birang R, Yaghini J, Nasri N, Noordeh N, **Iranmanesh Pedram**, Saeidi A, et al. Comparison of Er: YAG Laser and Ultrasonic Scaler in the Treatment of Moderate Chronic Periodontitis: A Randomized Clinical Trial. *Journal of Lasers in Medical Sciences*. 2017;8(1):51. **(PubMed)**
- 32) Ghasemi E, Abedian A, **Iranmanesh Pedram**, Khazaei S. Effect of type of luting agents on stress distribution in the bone surrounding implants supporting a three-unit fixed dental prosthesis: 3D finite element analysis. *Dental Research Journal*. 2015;12(1): 57. **(PubMed)**
- 33) Razavian H, **Iranmanesh Pedram**, Mojtahedi H, Nazeri R. Effect of Autoclave Cycles on Surface Characteristics of S-File Evaluated by Scanning Electron Microscopy. *Iranian Endodontic Journal*. 2016; 11(1):29-32. **(PubMed)**
- 34) Khademi H, **Iranmanesh Pedram**, Moeini A, Tavangar A. Evaluation of the Effectiveness of the Iralvex Gel on the Recurrent Aphthous Stomatitis Management. *International Scholarly Research Notices*. 2014, Article ID 175378, 5 pages, 2014. doi:10.1155/2014/175378. **(PubMed)**
- 35) **Iranmanesh Pedram**, Abedian A, Nasri N, Ghasemi E, Khazaei S. Stress analysis of different prosthesis materials in implant-supported fixed dental prosthesis using 3D finite element method. *Dental Hypotheses*. 2014;5(3):109.
- 36) Razavian H, Shakoor M, Khazaei S, **Iranmanesh Pedram**. Effect of Short Lectures on the Knowledge and Skill of Dental Students in Endodontic during Internship. *Educational Research in Medical Sciences Journal*. 2014;2(3):25-7.
- 37) Shafieibavani M, **Iranmanesh Pedram**, Iranmanesh F. Evaluating Electromagnetic Interference of Communication Devices with Root ZX Mini Apex Locator. *Dental Hypotheses*. 2016;7(4):142.
- 38) Ghasemi E, Khazaei S, Bajgholi F, Nasri N, **Iranmanesh Pedram**. Stress distribution in luting cement layer in implant supported fixed partial dentures using finite element analysis. *Journal of Islamic Dental Association of IRAN (JIDAI)*. 2014;26(2):2.
- 39) Mogharehabed A, Behfarnia P, Nasri N, **Iranmanesh Pedram**, Gholami SA, Yaghini J. Comparison of the Efficacy and Side Effects of Chlorhexidine Mouthrinses with (Hexidine) and without (Epimax) Alcohol. *Dental Hypotheses*. 2016;7(4):137.

- 40) Sharifi R, Khazaei S, Mozaffari HR, Amiri SM, **Iranmanesh Pedram**, Mousavi SA. Effect of Massage on the Success of Anesthesia and Infiltration Injection Pain in Maxillary Central Incisors: Double-Blind, Crossover Trial. *Dental Hypotheses*. 2017;8(3):61-5.
- 41) Farhad A, Mousavi SA, Shahnasari S, **Iranmanesh P**, Kafashi J. Evaluation and Comparison of the Position of the Apical Constriction in Single-root and Multiple-root Teeth. *Journal of Mashhad Dental School*. 2017;41(4):331-8. [Persian]
- 42) Hekmatian E, Mehdizadeh M, **Iranmanesh Pedram**, Mosayebi N. Comparative evaluation of the distance between the apices of posterior maxillary teeth and the maxillary sinus floor in cross-sectional and panoramic views in CBCT. *Journal of Isfahan Dental School*. 2014;10(2):145-53. [Persian]
- 43) Razavian H, Hasheminia M, Nazeri R, **Iranmanesh Pedram**, Mojtahedi H. Evaluation of surface characteristics of M-two rotary files before and after autoclaving with scanning electron microscopy. *Journal of Isfahan Dental School*. 2014;11(1). [Persian]
- 44) Razavi SM, **Iranmanesh Pedram**, Moeini A, Qorani N, Fakhar A. Correlation between clinical diagnosis and histopathological diagnosis of oral soft tissue lesions in Isfahan Dental School from 1988 to 2011. *Journal of Isfahan Dental School*. 2015;11(2). [Persian]
- 45) Mousavi M, **Iranmanesh Pedram**, Amrollahi M, Hoseini N, Razavian H. Evaluation of the effect of root canal flaring on bacterial microleakage. *J Isfahan Dent Sch*. 2015; 11(4):294-301. [Persian]
- 46) **Iranmanesh Pedram**, Khazaei S, Nasri N, Moeini A, Shakour M. The Effect of Educational Research Workshop on Learning Statistics and Research by Dental Students of Isfahan University of Medical Sciences. *Magazine of E-learning Distribution In academy (MEDIA)*. 2015; 6(2):63-68. [Persian]

## **Presentations**

### **14-17<sup>th</sup> January 2025**

*21st International Congress of Iranian Association of Endodontists, Milad Tower International Conference Center; Tehran, Iran.*

Regenerative Endodontics Procedure: Outcomes  
(Oral Presentation)

### **14-17<sup>th</sup> January 2025**

*21st International Congress of Iranian Association of Endodontists, Milad Tower International Conference Center; Tehran, Iran.*

Effect of premedication on the success of inferior alveolar nerve block in patients diagnosed with irreversible pulpitis: An umbrella review

(Oral Presentation)

**20-23<sup>rd</sup> August 2024**

*The 4th Naghsh-e Jahan Dental Congress, City Center Complex, Isfahan, Iran.*

Discussion Panel: Clinical Cases in Endodontics

(Oral Presentation)

**20-23<sup>rd</sup> August 2024**

*The 4th Naghsh-e Jahan Dental Congress, City Center Complex, Isfahan, Iran.*

Discussion Panel: Diagnostic and Treatment challenges in Endodontics

(Oral Presentation)

**14-17<sup>th</sup> May 2024**

*63rd International Annual Congress of the Iranian Dental Association (EXCIDA 2024), Iran Mall Event & Convention Center, Tehran, Iran.*

Discussion Panel: Tips to Enhance the Success Rate of Root Canal Treatment

(Oral Presentation)

**27-31<sup>th</sup> October 2023**

*The 6th National Congress of Oral Health and Community Dentistry, Abbasi Hotel, Isfahan, Iran.*

Oral Health Inequality: Scientific Landscape

(Oral Presentation)

**27-31<sup>th</sup> October 2023**

*The 6th National Congress of Oral Health and Community Dentistry, Abbasi Hotel, Isfahan, Iran.*

Evidence-based medicine

(Oral Presentation)

**22<sup>th</sup> June 2023**

*JBIE European Symposium, Tabriz, Iran.*

Improving Dentist-Patient Communication among Health Care Providers at Dental Implant Ward of Isfahan Dental School: a best practice implementation project

(Poster Presentation)

**27-30<sup>th</sup> September 2022**

*20th International Congress of Iranian Association of Endodontists, Iran International Conference Center; Tehran, Iran.*

Anaesthetic efficacy of incorporating different additives into lidocaine for the inferior alveolar nerve block: A systematic review with meta-analysis and trial sequential analysis

(Oral Presentation)

**24-27<sup>th</sup> April 2019**

*20th Scientific Congress of Asian Pacific Endodontic Confederation, Fairmont Quasar; Istanbul, Turkey*

Management of Anterior Upper Permanent Teeth with Subluxation and Extrusion Injuries

(Poster Presentation) Best Poster

**4-7<sup>th</sup> October 2018**

*International Federation of Endodontic Associations (IFEA) 11th World Endodontic Congress, COEX center; Seoul, Korea*

Effect of Autoclave Cycles on Surface Characteristics of S-File using Scanning Electron Microscopy.

(Poster Presentation)

**4-7<sup>th</sup> September 2018**

*18th International Congress of Iranian Association of Endodontists, Milad Tower International Conference Center; Tehran, Iran.*

Evaluation of the Effect of Root Canal Flaring on Bacterial Microleakage.

(Poster Presentation)

**5-8<sup>th</sup> December 2017**

*3rd International Symposium of Iranian Association of Endodontists and the 1st National Meeting of Iranian Association of Endodontists - Isfahan Branch, Isfahan School of Dentistry; Isfahan, Iran.*

Evaluation of surface characteristics of M-two rotary files before and after autoclaving with scanning electron microscopy.

(Oral Presentation)

**23-25<sup>th</sup> August 2017**

*Naghsh-e Jahan Dental Congress, Abbasi Hotel; Isfahan, Iran.*

Investigating the Interferences of Electromagnetic Waves of Mobile Phone with the Root ZX mini Apex Locator

(Poster Presentation)

**29<sup>th</sup>-31<sup>st</sup> January 2014**

*National Congress of Dental Implants (Dos and Don'ts), Isfahan School of Dentistry; Isfahan, Iran.*

Analysis stress distribution of luting agent layer in a three unit implant supported fixed denture using finite element method.

(Poster Presentation)

**17-19<sup>th</sup> October 2012**

*11<sup>th</sup> International Congress of Oral & Maxillofacial Surgeons and 3<sup>rd</sup> International Persian Gulf Implant Symposium, Olympic hotel; Tehran, Iran.*

The analysis of stress distribution to bone surrounding implant with different types of dental cement in three-unit fixed partial.

(Oral Presentation)

**Research projects**

- Saatchi M, Khademi A, Farhad A, **Pedram Iranmanesh**, Mohamadi G. Anesthetic Efficacy of 4% Articaine Buccal Infiltration Versus 2% Lidocaine Inferior Alveolar Nerve Block in Mandibular First Molars with Symptomatic Irreversible Pulpitis: A Systematic Review and Meta-analysis (Isfahan University of Medical Sciences Grant#3401793)
- Khademi A, Farhad A, **Pedram Iranmanesh**, Golkar Sh. Root surface treatment in avulsed teeth with delayed replantation: a systematic review (Isfahan University of Medical Sciences Grant#3401795)
- Akhavan A, Saatchi M, Naseri R, **Pedram Iranmanesh**, Khosravani SZ. Effect of different flap designs on the soft tissue healing in periapical surgery: a systematic review and meta-analysis (*Isfahan University of Medical Sciences Grant#3401794*)
- Saatchi M, Alavi Tabatabaei S, Binandeh ES, **Iranmanesh Pedram**. Evolution of confidence of undergraduate dental student in Isfahan University of Medical Sciences when performing endodontic treatment (*Isfahan University of Medical Sciences Grant#397115*)
- Khazaei S, Ghasemi E, **Iranmanesh Pedram**. Evaluating of stress distribution around the implant bone in three unit fixed partial denture with different types of supra structure material by 3D finite element method (*Isfahan University of Medical Sciences Grant#189089*)
- Ghasemi E, **Iranmanesh Pedram**, Khazaei S. Evaluating of stress distribution around the implant bone in three unit fixed partial denture with different types of luting cement by 3D finite element methods (*Isfahan University of Medical Sciences Grant#289245*)
- Mousavi M, Razavian H, **Iranmanesh Pedram**. Evaluation of the Effect of the root canal flaring rate on the bacterial micro leakage (*Isfahan University of Medical Sciences Grant#190116*)
- Nazeri R, Razavian H, Mojtahedi H, **Iranmanesh Pedram**. Evaluation of surface characteristic of S-File before and after of autoclave with Scanning electron microscopy (*Isfahan University of Medical Sciences Grant#190125*)
- Mojtahedi H, Razavian H, Nazeri R, **Iranmanesh Pedram**. Evaluation of surface characteristics of M-two rotary files before and after autoclaving with scanning electron microscopy (*Isfahan University of Medical Sciences Grant#190129*)

- Eslamipour F, Rostami G, **Iranmanesh Pedram**. Prevalence of dental trauma and its association with dental overjet among 9-14 year old schoolchildren in Isfahan. (*Isfahan University of Medical Sciences Grant#390416*)
- Fakhar A, Razavi SM, Qorani N, **Iranmanesh Pedram**. Correlation between clinical diagnosis and histopathological diagnosis of oral soft tissue lesions in Isfahan dental school during two past decade. (*Isfahan University of Medical Sciences Grant#190145*)
- Qorani N, Razavi SM, Fakhar A, **Iranmanesh Pedram**. Correlation between clinical diagnosis with histopathological diagnosis of oral hard tissue lesions in Isfahan dental school from 1985 to 2011. (*Isfahan University of Medical Sciences Grant#191108*)
- Hasheminia SM, Shokraneh A, **Iranmanesh Pedram**. Effect of Patency File on Transportation and Curve Straightening in Canal Preparation with ProTaper System. (*Isfahan University of Medical Sciences Grant#290221*)

## **Qualifications**

### **1. Scientific Journal Reviewer:**

- *Dental Hypotheses*(May 2014- present)
- *Educational Research in Medical Sciences Journal*(March 2014-present)
- *Global Journal of Health Science*(January 2015-present)
- *Cyberpsychology, Behavior, and Social Networking*(July 2018-present)
- *Education Research Journal* (Guest Reviewer)

### **2. Experienced in Research Methodology and Medical Writing**

### **3. Endodontic Advance Course**

- CEM Cement Application in Endodontics, School of Dentistry, Shahid Beheshti University of Medical Sciences: Tehran, Iran. **January, 2017**
- Cone Beam Computed Tomography in Endodontics, Endodontology Research Center: Kerman, Iran. **26-31th January 2018**

### **4. Computer Proficiencies:**

- Microsoft Office
- Advanced Internet Searching
- End Note Software
- Mendeley - Reference Management Software
- SPSS Software
- STATA Software

