

MAURICIO MONTERO-AGUILAR, DDS, MSc

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Date of birth January 9, 1978



ACADEMIC ACHIEVEMENTS

Post-doctoral Master of Science in Clinical and Translational Research
University of Puerto Rico, 2006 – 2008
Validated by CONARE (Costa Rica) as an Academic Master Degree

Fellowship in Endodontics
University of Costa Rica, 2006

Doctor in Dental Science
University of Costa Rica, 1996 – 2003
Board certified by Colegio de Cirujanos Dentistas de Costa Rica
License number 266304

PROFESSIONAL MEMBERSHIPS

Colegio de Cirujanos Dentistas de Costa Rica (CCDCR)	2004 to date
Federación Odontológica Latino Americana (FOLA)	2004 to date
World Dental Federation (FDI)	2004 to date
Federación Odontológica de Centroamérica y Panamá (FOCAP)	2004 to date
International Association for Dental Research (IADR)	
Puerto Rican Section	2006 - 2009
Costa Rican Section	2009 - 2013
	2017 - 2023
Costa Rican Division	2024 to date
International Congress of Oral Implantologists	2014 - 2016

PROFESSIONAL EXPERIENCE

2004 to date Private practice

UNIVERSITY OF COSTA RICA

2004 to date Assistant Professor, School of Dentistry, University of Costa Rica

2010 -2023 Coordinator, Final Graduation Project Committee

2023 to date Member, Final Graduation Project Committee

2013 to date Research Coordinator, Graduate Programs School of Dentistry
University of Costa Rica

2019 – to date Associate Editor, *Odontos IJDS*

2020 - 2024 Member of the Dean's Advisory Council, School of Dentistry,
University of Costa Rica

FÉDÉRATION DENTAIRE INTERNATIONALE (FDI)

2014 - 2017 Member of the Science Committee

2014 to date Delegate in the General Assembly for the Costa Rica National Dental
Association

2017 - 2024 Director Continuing Education Programme for Latin America

2024 to date Member of the Council

2025 to date Member of Finance Committee

COLEGIO DE CIRUJANOS DENTISTAS DE COSTA RICA

2008-2012 Coordinator of the National Research Award

2012 -2016 Member of the Academic Council, Colegio de Cirujanos Dentistas de
Costa Rica

2022 Acting Academic Director

2022 to 2026 Vice-President Executive Board

CLINICAL RESEARCH

2025 -2026	Member, Consejo Nacional de Investigación en Salud (CONIS), Ministry of Health.Costa Rica
2009 – 2010	Clinical Research Associate, Pfizer Central America & Caribbean
2015 to date	Principal Investigator/Clinical Examiner, Colgate-Palmolive, NJ, USA

SCIENTIFIC EDITORIAL COMMITTEES

2013 to 2018	Editorial Board Member, Journal of Clinical Dentistry
2010 to 2020	Editorial Board Member, Scientific Journal of the CCDCR
2008 to date	Editorial Board Member, Odovtos Int J Dental Sciences

NATIONAL AND INTERNATIONAL LECTURES

2018	World Oral Health Forum World Dental Meeting, Buenos Aires, Argentina. Topic: The Importance of Oral Health for a Healthy Ageing
2015	Greater New York Dental Meeting 2015. New York, U.S.A. Topic: Clinical Failure of Local Anesthesia XXXVIII Congress of the Federación Odontológica de Centroamérica y Panamá (FOCAP), Costa Rica Topic: When does a scientific paper is evidence?
2014	Seminario Focapense, Colegio de Cirujanos Dentistas de Costa Rica, Costa Rica Topic: Strategy for the implementation of regional research and oral health markers XX Congreso Nacional de Estudiantes, Costa Rica Topic: From the research to the scientific paper
2010	VII Congreso Científico y Cultural Nacional y I Congreso Internacional de Odontología del Colegio de Cirujanos Dentistas de Costa Rica, Costa Rica Topic: How to write and publish a scientific paper

OTHER PROFESSIONAL ACTIVITIES

- 2024 - 2025 President, FDI Regional Dental Meeting Costa Rica 2025, Colegio de Cirujanos Dentistas de Costa Rica.
- 2022 - 2025 Member of the Organizing Committee, International Dental Meeting, Colegio de Cirujanos Dentistas de Costa Rica.
- 2014- 2015 Member of the Organizing Committee, XXXVIII Congreso Regional, Federación Odontológica de Centro América y Panamá.
- 2010 to date Graduation Research Project Commission, School of Dentistry, University of Costa Rica
- 2010 - 2020 Scientific Production Committee, School of Dentistry, University of Costa Rica
- 2008-2011 Scientific Poster Contest Organizing Committee, Colegio de Cirujanos Dentistas de Costa Rica

PEER-REVIEWED PUBLICATIONS

Chavarria-Bolaños D, Komabayashi T, Vega-Baudrit J, Ulate E, Pereira-Reyes R, **Montero-Aguilar M.** Examining the Physicochemical Composition of Three Bioceramic Putties for Endodontic Use. *Eur Endod J.* 2024; 9(4): 210-217 | DOI: 10.14744/eej.2024.07769

Montero-Aguilar M, Vega-Baudrit JR, Pereira-Reyes R, Pozos-Guillen A, Ulate-Rodriguez E, Chavarria-Bolaños D. Physico-Chemical Comparison of Four Commercially Available Mineral Trioxide Aggregates. *Odovtos Int J Dent Sci.* 2023

Chavarria-Bolanos D, Komabayashi T, Shen I, Vega-Baudrit J, Gandolfi MG, Prati C, **Montero-Aguilar M.** Effects of heat on seven endodontic sealers. *J Oral Sci.* 2022 Jan 19;64(1):33-39.

Chavarría-Bolanos, D., Pozos-Guillén, A., & **Montero-Aguilar, M.** (2021). 2020: Renewing the Paradigms for Orofacial Pain. *Odovtos Int J Dental Sc*, 24(1), 10-15.

Montero-Aguilar, M. Editorial. Ethical Considerations in Case Report Writing. *Odovtos Int J Dental Sc.* 2021, 23(2), 8-9.

Guarino V, Alvarez-Perez MA. Current Advances in Oral and Craniofacial Tissue Engineering. 1st Edition. Florida: CRC Taylor & Francis Group. 2020. Chapter 2: Translation of Tissue Engineering Approach from Laboratory to Clinics; 24-35.

M. Montero-Aguilar Editorial. *Odovtos Int J Dental Sc.* 2020, 22(3): 8.

D. Chavarría-Bolaños, A. Gómez-Fernández, C. Dittel-Jiménez, **M. Montero-Aguilar**. (2020). E-Learning in Dental Schools in the Times of COVID-19: A Review and Analysis of an Educational Resource in Times of the COVID-19 Pandemic. *Odovtos Int J Dental Sc.* 2020, 22(3), 69-86.

M Montero-Aguilar Editorial. *Odovtos Int J Dental Sc.* 2019, 21(3): 9.

D Chavarría-Bolaños, A Pozos-Guillén, **M Montero-Aguilar**. Nocebo/Placebo Effects in Dental Practice: Two Key Protagonists. *Odovtos Int J Dental Sc.* 2019, 21(3): 10-15

M Montero-Aguilar, L Sibaja-Ruiz, E Avendaño, R Pereira, A Pozos-Guillen, D Chavarria-Bolaños. Evaluation of Surgical Bur Deformation and Bone Surface Roughness After Multiple Uses. *J Oral Maxillofac Surg.* 2019 Apr 15.

E Delgado, F Garcia-Godoy, **M Montero-Aguilar**, LR Mateo, M Ryan. A clinical Investigation of a Dual Zinc plus Arginine Dentifrice in Reducing Established Dental Plaque and Gingivitis Over a Six-Month Period of Product Use. *J Clin Dent.* 2018 Sep;29(Spec No A): A33-40

M. Montero-Aguilar. Gray Materials in Dentistry: The Latin America Paradox. *Odovtos Int J Dental Sc.* 2018, 20-1: 9

D. Chavarría-Bolaños, L. Rodríguez-Wong, D. Noguera-González, V. Esparza-Villalpando, **M. Montero-Aguilar**, and A. Pozos-Guillen. Sensitivity, Specificity, Predictive Values, and Accuracy of Three Diagnostic Tests to Predict Inferior Alveolar Nerve Blockade Failure in Symptomatic Irreversible Pulpitis. *Pain Research and Management.* 2017, ID 3108940, 1-8.

K. Brenes-Valverde, E. Conejo-Rodríguez, J.R. Vega-Baudrit, **M. Montero-Aguilar**, D Chavarría-Bolanos. Evaluation of microleakage by gas permeability and marginal adaptation of MTA and Biodentine apical plugs: *in vitro study*. *Οδοντοσ Int J Dental Sc.* 2017, 19-3: 83-93.

L.A. Herrera-Ocampo, **M. Montero-Aguilar**, E. Alfaro-Mayorga. Effect of Surface treatment on the bond strength of quartz fiber-reinforced resin posts to resin cements: *in vitro study*. *Οδοντοσ Int J Dental Sc.* 2017, 19-2: 87-96.

M. Montero-Aguilar. *New Perspective Article: Antimicrobial Resistance: What should dentist be doing?* *Οδοντοσ Int J Dental Sc.* 2016,

A. Cervantes-Chavarría, **M. Montero-Aguilar**. Persistent Dento-Alveolar Pain Disorder: The patient you will never forget. *Οδοντοσ Int J Dental Sc.* 2016, 18-3: 17-25

S. Rodríguez, T. Ramírez, **M. Montero-Aguilar**, D. Chavarria, G. Valle, N. Rojas. Antibacterial Efficacy of a Dispersion of Silver Nanoparticles in a Citrate Medium for the Treatment of *E. Faecalis*: an *in vitro* study. *Οδοντοσ Int J Dental Sc.* 2016, 18-2: 99-107

A. Cervantes-Chavarría, **M. Montero-Aguilar**. Validation of self-reported clinical condition of endodontically treated teeth. *Rev. Cient. Odont.* 2014, Vol.10/No.2:13-17

K.M. Jimenez-Badilla, **M. Montero-Aguilar**, C. Cortes-Villalobos, N. Rojas-Campos, R. Zeledon-Mayorga. Efficiency of different NaOCl disinfection protocols on gutta-percha

cones against the species *s.aureus* and *e.faecalis*. Rev. Cient. Odontol. 2014, Vol.10 / No.1:37-41

F. Murillo-Alvarado, O. Fernández-López, **M. Montero-Aguilar**, C. Gallado-Barquero. Dimensional evaluation of distortion for impressions of 3i osseotite certain implant at 0, 15 and 20 degrees, at different subgingival depths. Rev. Cient. Odontol. 2014, Vol.10 / No.1:53-61

S. Valverde-Rojas, **M. Montero-Aguilar**, O. Fernández-López. *Micro hardness comparison of resin composites Filtek Z350 (3M®) and TPH3 (Dentsply®) utilized in the dental service of the Caja Costarricense del Seguro Social*. Rev. Cient. Odontol. 2013, Vol.8 / No.2:13-17

S. González-Mora, A.V. Arguedas_Madrigal, **M. Montero-Aguilar**. *Comparative study of CPOD, ICDAS, and Snyder Method in detecting caries in children*. Rev. Cient. Odontol. 2013, Vol.9 / No.1:13-19

M. Aguilar, A. Elias-Boneta, **M. Montero-Aguilar**, K. Joshipura, W. Psoter. *The quality of removable partial dentures in dentate, community dwelling elderly residing in Puerto Rico*. Journal of Prosthodontics, DOI: 10.1111/jopr.12025.

M. Montero-Aguilar, F. Muñoz-Torres, A.R. Elías-Boneta, B. Dye and K.J. Joshipura. *High levels of periodontal disease among the older adult population in San Juan, Puerto Rico*. Community Dental Health, 2012 Sep;29(3):224-8.

A. Gómez-Delgado, **M. Montero-Aguilar**. *Reasons for tooth loss in a Costa Rican population*. Οδοντος 2011; 13:42-48.

A. Elías-Boneta, **M. Montero-Aguilar**, F. Lugo, B. Stewart, W. DeVizio, H. Proskin. *Comparative Investigation of the Efficacy of Triclosan/Copolymer/Sodium Fluoride and Stannous Fluoride/Sodium Hexametaphosphate/Zinc Lactate Dentifrices for the Control of Established Supragingival Plaque and Gingivitis in a Six-Month Clinical Study*. Journal of Clinical Dentistry 2010;21[Spec Iss]:117–123.

T. Ramirez, M. Picado, **M. Montero**, R. Zeledón. *Apical seal evaluation of three canal filling systems: In Vitro*. Οδοντος 2010; 12:57-62.

M. Montero, R. Zeledón, T Ramirez, S. Monestel. *Inter-examiner Variability in the Diagnosis of Chronical Apical Periodontitis using Panoramic X Rays*. Οδοντος 2009; 11:54-58.

R. Zeledón, **M. Montero**, and M. Benavides. *Intentional re-implantation: a treatment alternative*. Οδοντος 2006; 8:48-53