

# Standing Committee Nomination Form 2024

First Nomination       Nomination for re-election

This nomination is for:

(tick one box only) PLEASE USE **ONE FORM PER NOMINATION**

Membership Liaison and Support Committee       Dental Practice Committee  
 Education Committee       Science Committee  
 Public Health Committee

## DOCUMENTATION REQUIRED

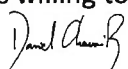
**Written presentation from the Nominee in English** (Maximum 350 words for Standing Committees)

Included

**Curriculum Vitae (CV) / personal record in English in a Word format**

Included

## NOMINEE'S INFORMATION

Title: Professor
Name: Daniel Chavarria-Bolanos
Address: Condominio San Francisco, casa 15c, Heredia, Costa Rica. PO BOX. 1493-3000.
Member Association: Colegio de Cirujanos Dentistas de Costa Rica
The nominee declares that he/she is willing to serve in this position <input checked="" type="checkbox"/> Yes      Signature 

### NOMINATING ASSOCIATION/ORGANIZATION'S INFORMATION

Name of the Association/Organization Colegio de Cirujanos Dentistas de Costa Rica	
Name of Official representing this Association/Organisation (President/NLO/President-elect). The Nominee may not nominate himself/herself. Antonieta Munoz	
Position of Official President	
<b>Signature</b>	ANTONIETA MUÑOZ SOLIS (FIRMA) <small>Firmado digitalmente por ANTONIETA MUÑOZ SOLIS (FIRMA) Fecha: 2024.06.03 16:39:53 06:00'</small>

To be eligible for election to a standing committee, nominees should meet the specific criteria for each committee listed below. Please tick the boxes below if the corresponding criteria are met.

#### Membership Liaison and Support Committee

- Able to communicate effectively in English, verbally and in documents
- Documented knowledge and experience of working within a national or international organization
- Documented knowledge and experience in promotion of health policies of writing, printing and/or publishing
- Networking and communication skills
- A successful candidate evaluation results (only in case of nomination for re-elections)

#### Dental Practice Committee

- Able to communicate effectively in English, verbally and in writing
- Documented knowledge and experience of clinical dental practice
- Experience in the management of projects related to dental practice
- Knowledge in areas relevant to the practice of dentistry, such as dental and professional legislation, ethics, practice management, working within a dental team, education, community oral health, etc...
- Experience in policy formulation, management and advocacy in the field of dental practice
- A successful candidate evaluation results (in case of nomination for re-elections)

### Education Committee

- Able to communicate effectively in English, verbally and in writing
- Documented knowledge and experience in organising continuing education programmes for dental practitioners, lecturing experience, and knowledge of educational and training methods
- A record of attendance/participation of international dental congresses
- Contacts (network) of internationally renowned dental scientists and speakers
- A successful candidate evaluation results (in case of nomination for re-elections)

**Science Committee Note:** *for Science Committee, a mix of members with expertise from different areas is important. There is currently a requirement for candidates with experience in the fields of oral pathology / oral medicine, gerodontology / general dentistry and periodontology.*

- Able to communicate effectively in English verbally and in writing
- Post-graduate scientific qualifications
- A substantial record of publications in scientific journals especially dental
- Experience in the management of scientific projects
- Knowledge of the principles and practice of evidence-based dentistry
- Contacts (network) of internationally renowned dental scientists
- A successful candidate evaluation results (in case of nomination for re-elections)

### Public Health Committee

**A post-graduate** academic qualification in dental public health or preventive and community dentistry is **an asset**. Please tick this box if applicable

- Able to communicate effectively in English, verbally and in writing
- Documented knowledge and work experience in dental public health c.q. oral health promotion and disease prevention
- In depth knowledge and documented experience relevant to areas of dental public health, such as disease prevention, fluorides, oral cancer, tobacco, nutrition, disease risk factors and health promoting behavioural aspects, community oral health etc.
- Documented experience in aspects of oral health development projects, such as developing, implementing, managing and evaluating these projects
- Experience in the development, implementation and evaluation of community-based projects and programs, including awareness, education and promotion, for different types of population.
- Experience in policy formulation and advocacy at highest levels in the field of (dental) public health and/or in high level decision making in international or national (dental) organisation
- Experience in epidemiology or public health research
- Contacts (network) of internationally renowned dental scientists or key health decision makers
- A successful candidate evaluation results (in case of nomination for re-elections)

**CLOSING DATES FOR NOMINATIONS FOR STANDING COMMITTEES: 3 June 2024**

This form must be signed and returned **preferably by email** to:

Ms Djerdana (Gina) Ivosevic at [divosevic@fdiworlddental.org](mailto:divosevic@fdiworlddental.org)  
with copy to Ms Maria Kramarenko [mkramarenko@fdiworlddental.org](mailto:mkramarenko@fdiworlddental.org)  
or **by fax** at +41 (0)22 560 8140

**LETTER OF MOTIVATION**  
Nomination for Science Committee

Dear Colleagues of the FDI:

Clinical decision-making in dentistry has radically changed, evolving from anecdotal experiences to an evidence-based approach. Consequently, international policies that strive for excellence in dental science must also represent equity across all sociocultural contexts worldwide. This principle is fundamental to the international collaboration that the FDI represents, and it is my primary motivation for joining the Science Committee—not only because of my experience but also due to the unique perspective I may bring as a representative of Latin America.

During my training as an endodontist in Mexico, I learned to appreciate the importance of interdisciplinary collaborations. With this understanding, I embarked on my doctorate, which included an Engineering and Science of Materials program in Mexico and a Biomedical and Pharmaceutical Sciences program in Belgium. Back in Costa Rica as professor at the University of Costa Rica and researcher in Nanotechnology, I kept collaborating with a strong research group developing strategies to establish partnerships with international academic institutions to address everyday dental clinical problems from a fundamental standpoint and translate solutions into clinical applications. A decade after completing my doctoral studies, these collaborations have strengthened international alliances that benefit not only my students and colleagues but also demonstrate how Latin America can be recognized and heard through science.

I have actively collaborated with my National Dental Association, serving as a lecturer for the CE Program and as President of the National Research Award Committee. As President of the Costa Rican IADR Section, we were recognized as an IADR division, demonstrating that, despite Costa Rica's small geographical size, it can be an enormous example of leadership and collaboration.

I am very grateful to collaborate as an external advisor in the process of writing the Odontogenic Pain Management FDI's Policy Statement, which was adopted in 2017. I have recognized the key role the FDI plays in addressing oral health issues from a scientific perspective and transforming them into global policies. Serving as a member of the Science Committee would be a great honor and an excellent opportunity to contribute the Latin American perspective to discussions that will shape future projects.

Thank you for your support,



Daniel Chavarria DDS, MSc, PhD

## Dr. Daniel Chavarría Bolaños MSc, PhD

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### Personal Information

Name: Daniel Chavarría Bolaños

Birthplace: San Jose, Costa Rica

Birthday: July 13th, 1982

Phone number: 00(506)83916923

Email: [danielchava2@gmail.com](mailto:danielchava2@gmail.com) , [daniel.chavarria@ucr.ac.cr](mailto:daniel.chavarria@ucr.ac.cr)

PO Box: 1493-3000 Heredia, Costa Rica

### Languages:

Spanish

English

### Academic Preparation

- 2000-2006 Doctor in Dental Surgery degree, Faculty of Dentistry, Universidad de Costa Rica.
- 2008 Endodontics Fellowship, Faculty of Dentistry, Universidad de Costa Rica.
- 2008-2009 Endodontics Master Degree, Faculty of Dentistry, Universidad Autónoma San Luis Potosí, México.
- 2010-2014 Doctorate degree in Engineering and Science of Materials, Universidad Autónoma San Luis Potosí, México. (Thesis defense on April 3rd, 2014).
- 2011-2015 Doctorate degree in Biomedical and Pharmaceutical Sciences, Université de Liège, Belgium. (Thesis defense on March 17<sup>th</sup>, 2015).

### Educational experience:

- Professor of Endodontics, Anesthesia for dentistry, Innovation, and Biomaterials. Faculty of Dentistry, Universidad de Costa Rica. 2011-2019
- Coordinator of the Orofacial Pain Course, Faculty of Dentistry, Universidad de Costa Rica. 2011-2018

- Professor of the Endodontics Fellowship, Faculty of Dentistry, Universidad de Costa Rica. 2011-2017
- Profesor of Oral Medicine. Faculty of Dentistry, Universidad de Costa Rica. 2014-2019
- Coordinator Of Research Programs, Densitry Graduate Programs, Faculty of Dentistry, Universidad de Costa Rica. 2015-2019
- Coordinator of the Orofacial Pain Clinic, Faculty of Dentistry, Universidad de Costa Rica. 2017-2019

**Memberships and academic services:**

- Associate Editor, ODOVTOS: International Journal of Dental Sciences, Faculty of Dentistry, Universidad de Costa Rica. 2014-2019
- Member of the IADR-COSTA RICA Section Board 2014-2021 (Treasurer 2015-2018,)
- President of the IADR-Costa Rica Division 2019-2024
- Director of the Publications and Scientific Production Program, Faculty of Dentistry, Universidad de Costa Rica. 2015-2019
- Member of the Research Comision of Graduate Porgrams. Faculty of Dentistry, Universidad de Costa Rica. 2014-2016.
- President of the National Research Award, Colegio de Cirujanos Dentistas de Costa Rica (National College of Dentists of Costa Rica) 2017-2024.
- Coordinator of the Section of Diagnostic Sciences, Faculty of Dentistry, Universidad de Costa Rica. 2017-2019.
- Director of the Diagnostic Sciences Department, Faculty of Dentistry, Universidad de Costa Rica. 2019-2022.
- Director of the Dental Graduate Program, Universidad de Costa Rica. 2022-2026
- Director of the Endodontics Master Degree Program, Universidad de Costa Rica. 2023-2026.

**Memberships:**

- Member of the IADR-COSTA RICA section since 2012.
- Member of the Academy of Dental Materials (ADM) since 2013.
- Member of the Mexican Council of Endodontics since 2010.
- Member of the Costarican Academy of Endodontics since 2015.
- Member of the National Society of Research in Dentistry (SNIO) – Mexico, since 2018.
- Member of the American Association of Endodontists since 2022.
- Member of the International Association for the Study of Pain Since 2018.

**Research Stays:**

- Basic Sciences Laboratory, Faculty of Dentistry, Universidad Autónoma de San Luis Potosí, México. (Active Collaborator)
- Nuclear Medicine Laboratory, Faculty of Medicine, Universidad Autónoma de San Luis Potosí, México.
- Laboratory of Pharmacology, Chemical Sciences Faculty, Universidad Autónoma de San Luis Potosí, México.
- National Laboratory of Nanotechnology, National Center of High Technology, San José, Costa Rica. (Active Researcher)
- Interfaculty Centre Of Biomaterials, Université de Liège, Belgium.
- Research Center of Atomic, Nuclear and Molecular Sciences (CICANUM), Universidad de Costa Rica. (Active Researcher)
- Research Center of Engineering and Science of Materials (CICIMA). Universidad de Costa Rica. (Active Researcher)
- Laboratory of Tissues Bioengineering. Faculty of Dentistry, Universidad Nacional Autónoma de México (UNAM). México. (Active Collaborator)
- Laboratory of Biomaterials, Faculty of Dentistry, Universidad de Costa Rica. (Active Researcher)



**Research experience:**

- In Vivo quantification of neurogenic inflammatory mediators and endogenous opioids in human dental inflammation model
- In Vivo analysis of the biochemical/clinical effect of therapeutic laser application in human dental inflammation model.
- Analysis of physicochemical properties of analgesics and polymeric vehicles
- Analysis of nociception models in animals
- In Vitro analysis of drug release systems. Optimization of polymer vehicles for the controlled release of drugs.
- Clinical trials of the pharmacological management of pain, and the effect of local anesthetics.
- Characterization and optimization of the physicochemical properties of endodontic biomaterials.
- Analysis of bacterial sensitivity to antibiotics and triantibiotic pastes (In Vivo, In Vitro).
- Cytotoxicity and genotoxicity studies of biomaterials
- Dynamic microleakage studies of dental biomaterials
- Design of polymeric scaffolds for tissue bioengineering (Hydrogels, 3D printing, Airjet Spinning)

**Research Awards and Acknowledgments:**

1. Honor mention, Endodontics Master Degree Program, Universidad Autónoma San Luis Potosí, México. 2010
2. Best Scientific Lecture. VI National Meeting and I International Meeting “The research in Postgraduate Programs” Aguascalientes, México. 2010
3. 2nd place XVIII National Meeting and IX Iberoamerican Meeting of the National Society of Research in Dentistry (SNIO) – México. Oaxaca, México. 2010

4. Distinguished University Member Award 2010, given by the University of Costa Rica Rectory. 2011.
5. 3rd place at the VI National Research Event. Colegio de Cirujanos Dentistas de Costa Rica “Dr. Jose Joaquín Núñez”. San Jose, Costa Rica. 2011
6. 2nd place at the XIX National Meeting and X Iberoamerican Meeting of the National Society of Research in Dentistry (SNIO) – México. Puebla, México. 2011
7. 1st place at the Annual contest of Postgraduate Research Projects. Universidad Autónoma de San Luis Potosí. San Luis Potosí, México. 2011
8. 2nd place XIII World Congress for Laser Dentistry. World Federation of Laser Dentistry. Barcelona, Spain. 2012
9. Acknowledgement for Scientific Career and International Projection, given by the Faculty Of Dentistry. Universidad de Costa Rica. 2012
10. Distinguished University Member Award 2011, given by the University of Costa Rica Rectory. 2012.
11. 2nd place. XX National Meeting and XI Iberoamerican Meeting of the National Society of Research in Dentistry (SNIO) – México. Veracruz, México. 2012
12. Acknowledgement for Achievements in the Field of Dental Research; given by Faculty of Dentistry, Universidad de Costa Rica. 2013.
13. 1<sup>st</sup> place XXI National Meeting and XII Iberoamerican Meeting of the National Society of Research in Dentistry (SNIO) – México. Mexico City, México. 2013
14. 1st place at the I Meeting of Engineering and Science of Materials. San Luis Potosí, México. 2014

15. Acknowledgement for Achievements in the Field of Dental Research; given by Faculty of Dentistry, Universidad de Costa Rica. 2014
16. Distinguished University Member Award 2013, given by the University of Costa Rica Rectory. 2014.
17. Acknowledgment as Scientific talent, TICOTAL program. National Academy Of Sciences. MICITT, CONICIT. 2014 <http://ticotal.cr/talento-destacado.html>
18. 1st place at the XXII National Meeting and XIII Iberoamerican Meeting of the National Society of Research in Dentistry (SNIO) – México. November 2014. Monterrey, Nuevo León, México.
19. Distinguished University Member Award 2015, given by the University of Costa Rica Rectory. 2016.
20. 1st place at the IADR-Costa Rica Section Research Award. San José, Costa Rica. 2016.
21. 2nd Place at the XXIV National Meeting and XV Iberoamerican Meeting of the National Society of Research in Dentistry (SNIO) – México. November 2016. San Luis Potosí, México.
22. Nomee as IADR Emerging Leader – 2019.

**Scientific Publications:**

1. Lorz P, Riggioini O, Chavarría D. Plasma Cell gingivitis: A case Report. Odóvtos. Publicación Científica Facultad de Odontología, Universidad de Costa Rica Volumen 8, 72-6. 2006. (Article in Spanish)

2. D. Noguera-Gonzalez D., Cerda-Cristerna B.I., Chavarria-Bolaños D., Flores-Reyes H., Pozos-Guillen A. **Efficacy of pre-operative ibuprofen on the success of inferior alveolar nerve block in patients with symptomatic irreversible pulpitis.** International Endodontic Journal. Nov;46(11):1056-62. 2013
3. Chavarría-Bolaños D., Martínez-Zumaran A., Lombana N., Flores-Reyes H., Pozos-Guillen A. **Expression of Substance P, Calcitonin gene-related peptide,  $\beta$ -Endorphin and Methionine-Enkephalin in human dental pulp tissue after orthodontic intrusion: A pilot study.** The Angle Orthodontist. May;84(3):521-6. 2014
4. Daniel Chavarria-Bolaños, José Pérez-Urizar, Christian Grandfils and, Amaury Pozos-Guillén. **Peripheral Synergism between Tramadol and Ibuprofen in the Formalin Test.** Drug Development and Research. Jun;75(4):224-30. 2014.
5. Mario A. Isiordia-Espinoza, Amaury de J. Pozos-Guillén, José Pérez-Urizar, Daniel Chavarría-Bolaños. **Mechanisms of the peripheral action of the tramadol-dexketoprofen combination in the formalin test.** Drug Development and Research. Volume 75, Issue 7, pages 449–454, 2014.
6. Pérez-Padilla S, Chavarría-Bolaños D, Cerda-Cristerna BI, Vega-Baudrit J, Pozos-Guillén A. **Formulation and characterization of triple antibiotic hydrogels for endodontic disinfection.** Dental Materials. 30(supplement 1) s;30:e93. 2014.
7. Romo-Contreras MF, Martínez-Compeán RM, Chavarría-Bolaños D, Sánchez-Vargas LO, Escobar-García DM, Pozos-Guillén A. **Anti-bacterial/fungal efficacy and genotoxicity of two triple-antibiotics hydrogels for endodontics.** Dental Materials. 30(supplement 1). s;30:e93-e94. 2014.
8. Lilia Escalante-Macias, Veronica Mendez-Gonzalez, Claudia Davila-Perez, Daniel Chavarria-Bolaños, Amaury Pozos-Guillen. **Clinical efficacy of LLLT in reducing postoperative pain and swelling after periapical surgery. A preliminary report.** Journal of Oral Research. 4(3)183-188. 2015

doi:10.17126/joralres.2015.037

9. Daniel Chavarría Bolaños, Laura Rodríguez Wong, Amaury Pozos Guillén. **Understanding and fighting against anesthetic failure in dentistry.** Revista ADM: Revista de la Asociación Dental Mexicana. 72 (6): 290-298. 2015. (Article in Spanish)
10. L. Rodríguez-Wong, A. Pozos-Guillen, D. Silva-Herzog, D. Chavarría-Bolaños. **Efficacy of the combination mepivacaine-tramadol on the success of inferior alveolar nerve block in patients with symptomatic irreversible pulpitis: a randomized clinical trial.** International Endodontic Journal. 49(4):325-33. 2016
11. Garrocho-Rangel A., Breceda-Leija A., Cerda-Cristerna B.I., Méndez-González V., Chavarría-Bolaños D., Flores-Reyes H., Pozos-Guillén A. **Controlled release of calcium hydroxide poly (D,L lactide-co-glycolide) acid microspheres for endodontics.** Aceptado para publicación en el Journal of Odontology. 104(3):318-23. 2016
12. Daniel Chavarría-Bolaños, Héctor Flores-Reyes, Nelson Lombana-Sánchez, Bernardino Cerda-Cristerna, Amaury Pozos-Guillén. **Expression of sensory neuropeptides and endogenous opioids during asymptomatic pulpal inflammation.** Mediators of Inflammation. 2015 doi: 10.1155/2015/879126
13. Daniel Chavarría-Bolaños, Amaury Pozos-Guillén. **Peripheral Tramadol in Dentistry: A New Use for an Old Drug.** Odovtos: International Journal of Dental Sciences. 18(2):10-14. 2016.
14. Silvia Rodríguez Chang, Mauricio Montero-Aguilar, Grettel Valle Bourrouet, Norman Rojas Campos, Daniel Chavarría Bolaños, Tatiana Ramírez Mora. **Antibacterial Efficacy of a Dispersion of Silver Nanoparticles in Citrate Medium for the Treatment of E. faecalis: an In Vitro Study.** Odovtos: International Journal of Dental Sciences. 18(2) 99-107. 2016.

15. Vicente Esparza-Villalpando, Daniel Chavarria-Bolaños, Antonio Gordillo-Moscoso, David Masuoka-Ito, Ricardo Martinez-Rider, Mario Isiordia-Espinoza, and Amaury Pozos-Guillen. **Comparison of the Analgesic Efficacy of Pre-operative/Post-operative Oral Dexketoprofen Trometamol in Third Molar Surgery: A Randomized Clinical Trial.** Journal of cranio-maxillofacial surgery. 44(9):1350-5. 2016
16. Arturo Garrocho-Range, Daniel Chavarría-Bolaños, Amaury Pozos-Guillén. **Split-mouth design in Pediatric Dentistry clinical trials.** European Journal of Paediatric Dentistry. 18(1):61-65. 2017.
17. Andreina solis-Rigioni, Carolina Gallardo-, Daniel Chavarría-Bolaños. **Prevalence and severity of dental caries in foster-care children and adolescents.** Journal of Clinical Pediatric Dentistry. 42(4):269-272. 2018
18. Daniel Chavarria-Bolanos. **Nanotechnology and Nano-dentistry: issues not so small.** Odovtos: International Journal of Dental Sciences 18 (3): 9-10. 2016 (Article in Spanish)
19. Daniel Chavarria-Bolaños, Laura Rodriguez-Wong, Danny Noguera-Gonzalez, Vicente Esparza-Villalpando, Mauricio Montero-Aguilar, Amaury Pozos-Guillén. **Sensitivity, specificity, predictive values, and accuracy of three diagnostic tests to predict inferior alveolar nerve blockade failure in symptomatic irreversible pulpitis.** Accepted for publication Journal Of Pain Research and Management. 2017.
20. Irene Valerio-Alfaro, Daniel Chavarria-Bolanos. **Pre-columbian dental modifications in Costa Rica: a study in three archaeological sites.** Odovtos: International Journal of Dental Sciences. 19(1):69-75. 2017
21. Daniel Chavarría-Bolanos, Vicente Esparza-Villalpando. **Preventive analgesia: an evidence-based alternative for dentistry.** Odovtos: International Journal of Dental Sciences. 19(2):10-14. 2017

22. Karen Brenes-Valverde, Elian Conejo-Rodríguez, José Roberto Vega-Baudrit, Mauricio Montero-Aguilar, Daniel Chavarría-Bolaños. **Evaluation of Microleakage by Gas Permeability and Marginal Adaptation of MTA and Biodentine™ Apical Plugs: In Vitro Study.** *Odovtos: International Journal of Dental Sciences.* 20(1):57-67.2018.
23. Vicente Esparza-Villalpando, Amaury Pozos-Guillén, David Masuoka, Daniel Chavarría-Bolaños. **Analgesic efficacy of preoperative Dexketoprofen Trometamol: A systematic review and meta-analysis.** *Drug Development and Research.* 79(2):47-57. 2018
24. Rodrigo Hernández Montero, Amaury Pozos-Guillén, Daniel Chavarría-Bolaños. **Knowledge of Antibiotic Therapy Protocols by the Students of Costa Rican Dental Schools.** *Odovtos: International Journal of Dental Sciences.* Julio 2018. 20(3). 109-120. 2018. (Article in Spanish)
25. Albanés-Ojeda, Emmanuel; Calderon-Olvera, Roxana; Garcia-Hipólito, Manuel; Chavarría-Bolaños, Daniel; Vega-Baudrit, José; Alvarez-Perez, Marco; Alvarez-Fregoso, Octavio. **Physical and Chemical Characterization of PLA Nanofibers and PLA/ZrO<sub>2</sub> Mesoporous Composites Synthesized by Air Jet Spinning.** Accepted for publication at the *Indian Journal of Fibre & Textile Research.* October 2017.
26. Vicente Esparza-Villalpando, Daniel Chavarría-Bolaños, Juan Ramón Zapata-Morales, Antonio Vértiz-Hernández, Amaury Pozos-Guillén. **Antinociceptive Local Effect of the Combination of Dexketoprofen Trometamol and Chlorhexidine Gluconate in a Formalin Test: An Additive Effect.** Accepted for publication *Brazilian Journal of Pharmaceutical Sciences.* December 2017.
27. F.C.Vazquez-Vazquez, D.Chavarría-Bolaños, D.Villalobos-Vega, J.Vega-Baudrit, A.Pozos-Guillén, D.Masuoka-Ito, M.Álvarez-Pérez. **Characterization and cellular response of 3D-scaffold functionalized with PLA nanofibers.** *Dental Materials.* 33 (Supp 1): e19-e20. 2017.

28. Daniel Chavarria-Bolanos. **Authors and Authorship: controversy beyond research.** Revista Odovtos: International Journal of Dental Sciences 19 (3): 9. 2017 (Article in Spanish)
29. Daniel Chavarria-Bolaños, Vicente Esparza-Villalpando, Amaury Pozos-Guillén. **Pharmacological Synergism: A Multimodal Analgesia Approach to Treat Dental Pain.** Odovtos: International Journal of Dental Sciences. 21(1) 10-14. 2018
30. Erika Alfaro-Mayorga, J. Rodriguez-Rojas, M. Bonilla, D. Chavarria-Bolaños, J. R. Vega-Baudrit, Victor Ivan Vargas. **Physico-Chemical Characterization of Dentinal Surface Treated with Atmospheric-Pressure Plasma.** Plasma Medicine. 2018.8(4):357-364
31. Febe Carolina Vazquez-Vazquez, Osmar Alejandro Chanes-Cuevas, David Masuoka Ito, Jesús Arenas Alatorre, Daniel Chavarria-Bolaños, José Roberto Vega-Baudrit, Janeth Serrano-Bello, Marco Antonio Alvarez-Perez. **Biocompatibility of Developing of 3D printed Tubular Scaffold coated with Nanofibers for Bone Applications.** Journal of Nanomaterials 2019 Vol. 2019 Pages 6105818
32. Mauricio Montero-Aguilar DDS, MSc, Laura Sibaja-Ruiz DDS, Esteban Avendaño PhD, Reinaldo Pereira, Amaury Pozos-Guillén DDS, MSc, PhD, Daniel Chavarria-Bolaños DDS, MSc, PhD. **Evaluation of Surgical Bur Deformation and Bone Surface Roughness after Multiple Uses.** Accepted for Publication Journal of Oral Maxillofacial Surgery. April 2019.
33. Daniel Chavarria-Bolaños, Amaury Pozos-Guillén, Mauricio Montero-Aguilar. **Nocebo/placebo effects in dental practice: Two key protagonists.** Accepted for Publication Odovtos: International Journal of Dental Sciences. June 2019.
34. Daniel Chavarria-Bolanos, Ester Ugalde-Meza, Vicente Esparza-Villalpando, Amaury Pozos-Guillen, Jose Vega-Baudrit. **Evaluation of the Interaction of Chlorhexidine Mouthwash with Different Beverages.** International Dental Journal. 69 (Suppl. 1): 48-68. 2019



35. Zamparini F, Pirani C, Chavarria-Bolanos D, Gandolfi MG, Prati C. **Rehabilitation of Anterior Maxilla With a Novel Hyperbolic Profile Transmucosal Implant in Elderly Patients.** *Minerva Stomatol* 68 (5):249-258. 2019
36. Vicente Esparza-Villalpando, Ruben Ascencio-Padilla, Amaury Pozos-Guillen, Fernando Pozos-Guillen, Jose Antonio Hidalgo-Hurtado, Daniel Chavarria-Bolaños. **Local Ketamine Improves Postoperative Analgesia After Third Molar Surgery.** *J Oral Maxillofac Surg.* 77 (12): 2386-2400. 2019
37. Daniel Chavarría-Bolaños, Diana Villalobos, José Roberto Vega-Baudrit. **3D polymeric scaffolds for oral tissue regeneration.** *Ciencias Veterinarias.* 37(28-28). 2019.
38. Albanés-Ojeda, Emmanuel; Calderon-Olvera, Roxana; Garcia-Hipólito, Manuel; Chavarría-Bolaños, Daniel; Vega-Baudrit, José; Alvarez-Perez, Marco; Alvarez-Fregoso, Octavio. **Physical and Chemical Characterization of PLA Nanofibers and PLA/ZrO<sub>2</sub> Mesoporous Composites Synthesized by Air Jet Spinning.** *Indian Journal of Fibre & Textile Research.* 45(1):57-64. 2020
39. Daniel Chavarría-Bolaños, Adrián Gómez-Fernández, Carmen Dittel-Jiménez, Mauricio Montero-Aguilar. **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.** *Odvotos: International Journal of Dental Sciences.* In Press. 2020.
40. Flores-Arriaga JC, Chavarría-Bolaños D, Pozos-Guillén AJ, Escobar-Barrios VA, Cerda-Cristerna BI. **Synthesis of a PVA drug delivery system for controlled release of a Tramadol-Dexketoprofen combination.** *J Mater Sci Mater Med.* 2021 May 7;32(5):56. doi: 10.1007/s10856-021-06529-3.
41. Pozos-Guillén A, Molina G, Soviero V, Arthur RA, Chavarria-Bolaños D, Acevedo AM. **Management of dental caries lesions in Latin American and Caribbean countries.** *Braz Oral Res.* 2021 May 28;35(suppl 01):e055. doi: 10.1590/1807-3107bor-2021.vol35.0055.
42. Chavarria-Bolaños D, Esparza-Villalpando V, Ramírez-Chan K. **Antibacterial and Antifungal Capacity of Three Commercially Available Mouthwashes with Different Concentrations of Chlorhexidine.** *Odvotos: International Journal of Dental Sciences.* In Press. 2021.
43. Daniel Chavarria-Bolanos, Takashi Komabayashi, Ivy Shen, Jose Vega-Baudrit, Maria Giovanna Gandolfi, Carlo Prati, and Mauricio Montero-Aguilar. **Heat application effect on seven endodontic sealers.** *J Oral Sci.* In press. 2021

44. Daniela Blanco-Gonzalez, Francisco Villalobos-Ramirez, Otton Fernandez-Lopez, Daniel Chavarria-Bolanos, Tatiana Vargas-Koudriavtsev. **Resistance to dynamic and static loading of the implant mounts on its respective implant.** Journal of Dental Implants. In press 2021
45. Febe Carolina Vazquez-Vazquez, Daniel Chavarria-Bolaños, Marine Ortiz-Magdaleno, Vincenzo Guarino, and Marco Antonio Alvarez-Perez. **3D-Printed Tubular Scaffolds Decorated with Air-Jet-Spun Fibers for Bone Tissue Applications.** Bioengineering. In press 2022
46. Daniel Chavarría-Bolaños, Amaury Pozos, Mauricio Montero-Aguilar. **2020: Renewing the Paradigms for Orofacial Pain.** Odovtos: International Journal of Dental Sciences. 24 (1). 2022
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2. Mepivacaine-Tramadol on the Success of Inferior Alveolar Nerve Block in Symptomatic Irreversible Pulpitis. ClinicalTrials.gov Identifier: NCT02110966.
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