

David E Jaramillo
Associate Professor of Endodontics
Department of Endodontics
University of Texas Health Science Center at Houston
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Houston, TX 77054

CITIZENSHIP: United States of America

EDUCATION:

1982-1986 DDS Universidad Autonoma de Guadalajara

1988-1990 Postgraduate in Endodontics Universidad Autonoma de Guadalajara

ACADEMIC and ADMINISTRATIVE APPOINTMENTS:

February 2014 - Present Associate Professor of Endodontics
Department of Endodontics, full time.
University of Texas Health Science Center at
Houston

July 2011-2014 Associate Professor of Endodontics
Clinic Director of Endodontics, full time.
Department of Endodontics
Loma Linda University

June 2004-2006 Assistant Professor of Endodontics
Department of Endodontics, part time.
Loma Linda University

July 2006-2014 Assistant/Associate Professor of Endodontics
Clinic Director of Endodontics, full time.
Department of Endodontics
Loma Linda University

June 2004-2006 Assistant Professor of Endodontics
Department of Endodontics, part time.
University of Southern California

August 2001-2004 Associate Professor of Endodontics
Advanced program in Endodontics, part time.
Universidad DeLaSalle, Bajio. Leon, Mexico

August 1994-2004	Part time professor of Endodontics Universidad Latina de Mexico. Celaya, Mexico
August 1990-1994	Professor of Dental Pain, part time. Universidad Latina de Mexico. Celaya, Mexico
1990-2004	Full time private practice limited to Endodontics

LICENSURE:

2014- Present	Special Dentist license Texas
2004 - 2014	Special Dentist license California
1990-Present	License to practice as Endodontics specialist in Mexico
1986-present	License to practice Dentistry in Mexico

Professional Organization:

Mexican Board of Endodontics Certification	# 283
2017	Accepted as a Member of the International College of Dentist, USA Section Class 2017
2004- Present	American Dental Association
2004 – Present	American Association of Endodontics
2014 – Present	Texas Dental Association
2014 – Present	Houston Academy of Endodontist (Past President)
2004 – 2014	California Dental Association
2004 – 2014	Southern California Academy of Endodontics
1998 – Present	Mexican Association of Endodontics

1998 – Present

Guanajuato College of Endodontics

Honors and Awards:

2003

The “Orbita” Universidad Latina de Mexico

2016

Rodriguez Carvajal. Spain.

2010-2014

LLU SOD “Dean’s Circle”

Editorial Board Positions and Reviewer:

2015- Present

Evidence Based Endodontic Journal (Advisory Board Member)

2014 – Present

Journal of Dental and Oral Research (Editor)

2014 – Present

Endo Lit (Clinical Moderator)

2012 – Present

Endodoncia. Spain (Editor)

Reviewer:

2010- Present

International Journal of Dentistry (Guest)

2011- Present

Journal of Clinical and Experimental Dentistry (Guest)

2012 – Present

Medicina Oral, Patologia Oral y Cirugia Bucal Spain. (Guest)

2015 – Present

Journal Clinical Oral Investigations (Guest)

2015 – Present

International Endodontic Journal (Guest)

2010- 2014

Journal of Dental Traumatology (Guest)

2018

Scientific Research Publishing.

GRANT SUPPORT:

2018	Grant from Sonendo \$ 12,000
2016	Grant from Kavo Kerr \$1,000
2015	Grant from FKG Dentaire \$4,000
2010	Seed Grant CDR Loma Linda University \$5,000

SERVICE:

International

2018	Advisor Jean-Marie Laurichesse research award International Federation of Endodontic Associations (IFEA).
2018 – 2019	Scientific Chair, Mexican Association of Endodontics.
2016 – Present	Scientific Chair Roots Summit Meeting Dubai, Berlin, Prague (2020).
1998 – Present	Scientific Chair, Guanajuato College of Endodontics.
2007-2009	Scientific Chair, Mexican Association of Endodontics.
2009	Scientific Chair, Jalisco Endodontic Society Guadalajara, Mexico.
2008- 2009	Scientific Chair, Baja California North Association of Endodontics.
1990 – 1992	Secretary/Treasurer, Celaya Dental Association
1992- 1994	Scientific Chair, Celaya Dental Association

National

2016-2017	President Houston Academy of Endodontists
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University of Texas, SOD (UTSD)

- 2014 – Present Dental Admissions Committee
- 2015 – Present Clinical Affairs Committee (Chari sub-committee for calibration).
- 2018 Professional Affairs Committee
- 2018 Student Evaluation and Promotion Committee

Loma Linda University

- 2011-2014 Promotion Committee

STUDENT ADVISING UTH:

- 2017-2018 Martinez, Andrew 2nd year
Medina, Georgina Vanessa 2nd year
Milman, Amy Beth 2nd year
Garcia, Marcos Enrique 4th year
Luedeker, Mason M 4th year
Mactier, Mitchell Calhoun 4th year

STUDENT MENTORSHIP:

- 2018 **Academic Health Careers Fellowship Program (AHCFP)** The program was created with the goal of providing clinicians the opportunity to become involved in academia by providing structured mentoring and insight into what an academic career involves. Inhere acting as Mentor for Dr. Dinesh Patel.

- 2018 Evaluation of the obturation efficacy of a single cone after the use of Gentle Wave Irrigation System compared to Conventional Root Canal instrumentation and Irrigation. Alexander Plangenhoef and David E Jaramillo DDS (to be presented at Students table clinic presentations, Star of the South, AADR and AAE coming up Meetings).
- 2017 – 2018 Evaluation of the obturation efficacy of a single Cone and continuous wave condensation Techniques. Sally Hays and Samantha Evans, Ali Naji, David E Jaramillo DDS. Presented at UTH SOD Students table clinic presentation, Star of the South (Houston), AADR (Ft. Lauderdale, FL.) and at the AAE annual session in Denver, CO.
- 2017-2018 Efficacy Evaluation of a Cordless Ultrasonic Unit in Achieving Reduction of Bacterial Load within the Root Canal System as Compared to a Conventional Ultrasonic Unit and Negative Pressure Irrigation. Randall Mikulik DDS, Sam O Dorn, DDS, Ali Naji, Ransome V van der Hoeven PhD, David E Jaramillo DDS. Presented at the Star of the South (Houston) and AAE annual session, New Orleans, LO.
- 2016-2017 Evaluation of Efficacy of a Cordless Ultrasonic Unit In Achieving Reduction of Bacterial Load Within The Root Canal System as Compared to a Conventional Ultrasonic Unit. **Gabriella Rizzo DDS, Carlos A. Carrillo DDS**, Ali Naji, MSc, Ransome V. van der Hoeven, PhD, Samuel O. Dorn, DDS, David E. Jaramillo, DDS. Presented at AAE annual session, New Orleans, LO.
- 2015-2016 Evaluation of the Efficacy of a New Tridimensional Instrument System to Reduce the Bacterial Load From the Root Canal System. Mario Leon, Ali Naji, Ransome Van der Hoeven, David E Jaramillo DDS. Oral presentation at AAE annual session, in San Francisco, CA.
- 2015-2016 Apical Biofilm removal by 3% sodium hypochlorite Activated by different acoustic irrigation Techniques Randall Mikulik, D.D.S., Sameer D.

Jain, B.D.S., M.S., David E. Jaramillo, D.D.S. Presented at AAE annual session, San Francisco, CA.

2015-2016

Smear Layer and Debris Removal from Dentinal Tubules Using Different Irrigation Protocols; Scanning Electron Microscopic Evaluation, and *in-vitro* study. Hsin-Hui Wang, Daniel Sanabria-Liviach (Peru), Philippe Sleiman (Lebanon), Samuel O Dorn DDS, David E Jaramillo DDS. (Published) Poster Presentation at AAE annual session in San Francisco, CA.

TEACHING RESPONSIBILITIES UTHSOD:

2015 – Present

Course Director DEPS 2712 Endodontic I: Simulation

2015 – Present

Oral Biomaterials-Endodontics DBPG 1304

2015-2017

Current Literature Seminar DBPG 2008 A/B (Guest)

2017 - Present

Endodontic Surgery (Course Lecturer) DBPG 2005 co-Presenter

2014 – Present

Clinic instructor Endodontic Clinic Undergrad and Graduate students.

2016- Present

Root Canal Instrumentation hands-on course for UTH Pediatric Residents

2015- Present

Guest presenter Laser Course for Advanced Students Directed by Dr. Juliana Barros.

TEACHING RESPONSIBILITIES outside UTHSOD:

2007 – Present

Endodontic Graduate program Universidad Autonoma de Baja California Norte, Tijuana, Mexico. Visiting Professor. Microbiology and Root Canal Irrigation Seminars.

2010 – Present

Endodontic Graduate program Universidad Autonoma

2017 – Present	de Chihuahua, Cd. Juarez, Mexico. Visiting Professor. Microbiology and Root Canal Irrigation Seminars. Endodontic Graduate Program Loma Linda University Visiting Professor. Microbiology and Root Canal Irrigation Seminars.
2015 – Present	Endodontic Graduate Program. Universidad MAYAB, Merida. Mexico. Visiting Professor. Microbiology and Root Canal Irrigation Seminars.
2010- Present	Endodontic Graduate Program University of New York Buffalo. Visiting Professor. Microbiology and Root Canal Irrigation Seminars.
2006 – Present	Endodontic Graduate Program USC Visiting Professor. Microbiology and Root Canal Irrigation Seminars.
2010- 2016	Endodontic Graduate Program Long Beach VA Hospital Visiting Professor. Microbiology and Root Canal Irrigation Seminars
2013 – 2015	Endodontic Graduate Program. Universidad Autonoma de Oaxaca. Oaxaca, Mexico. Visiting Professor. Microbiology and Root Canal Irrigation Seminars.
2017 – Present	Universidad El Salvador. Buenos Aires, Argentina Visiting Professor. Microbiology and Root Canal Irrigation Seminars.
2005-2014	Course Director of Endodontics I-II. International Dentist Program. Loma Linda University. Loma Linda, CA
2005-2006	Course Director of Endodontics I. Advanced Standing Program for International Dentist. University of Southern California. Los Angeles, CA
2005-2006	Course Speaker. Endodontics I & II. University of Southern California. Los Angeles CA

INVITED PRESENTATIONS:

- 2018 AMIC Dental Expo, Asociacion de Posgrados de la UNAM
Pulpal reaction to dental caries. Microbiology of the root
canal system. WTC, Mexico, City. May 3rd – 6th, 2018.
- 2018 Asociacion Boliviana de Endodoncia Cochabamba. Speaker
at “Curso Internacional de Endodoncia”. Cochabamba,
Bolivia. April 6th, 2018
- 2017 AEDE Asociacion Española de Endodoncia. 38° Annual
Congress. Last trends in root canal irrigation Nov. 1st –
3rd, 2017. La Coruña, España
- 2017 Colegio de Endodoncistas del Sureste, AC, Asociacion
Mexicana de Endodoncia. XX Seminario anual. Histo-
Pathology of Pulpal and Periapical disease, Root canal
Microbiology and Irrigation of the Root Canal system.
Merida, YUC. Mexico 6 hours. Oct 20 & 21, 2017
- 2017 Endodontic Symposium: Modern Endodontics.
UTH at Houston. Lecture. Latest in Root Canal Irrigation.
Sept 29th, 2017. Houston, TX.
- 2017 Asociacion Guatemalteca de Endodoncia y Primer
congreso Internacional de Endodoncia de
Centroamerica. Pulpal response to caries, Microbiology
of the Root Canal System and Irrigation of the Root Canal
system. 6 hours of CE lectures. Cd. De Guatemala, Jul
27th, 28th, 2017.
- 2017 Asociacion de Posgrado de la UNAM. Root canal
Microbiology and its implications in the root canal
treatment outcome. 4 hours. Cancun, Mex. May 28th,
29th, 2017.
- 2017 Asociacion Argentina de Endodoncia. Root canal
microbiology and Irrigation of the root canal system.
Buenos Aires, 4 hours. Arg. May 13th 14th, 2017.
- 2017 American Association of Endodontics AAE Lecture: *In-
vitro* Biofilm Research; Are Current Biofilm Models

- Acceptable? Part II. 45 minutes presentation. New Orleans. LA. April, 29, 2017
- 2017 Advanced program in Endodontics, Universidad Autonoma de Chihuahua. Root canal microbiology and Irrigation of the root canal system. 8 Hours of lectures. Cd. Juarez, Mexico. Apr/06/2017
- 2017 2nd International EndoOaxaca Meeting. Histo-Pathology of pulpal and periapical disease; Irrigation of the Root Canal System, New Trends. 6 hours of CE lectures. Huatulco, Mexico Feb 9th & 10th, 2017.
- 2016 Bi-Annual Root's Summit Meeting. Lecture: *In-vitro* Biofilm Research; Are Current Biofilm Models Acceptable (Adequate)? Dubai, UAE Nov 29th- Dec 3rd, 2016.
- 2016 Mexican Academy of Endodontics Annual Meeting. II EndoLatinos Meeting. Microbiology of the Root Canal System (2 hrs.), New Trends in Root Canal Irrigation (2hrs). Nov 3rd-7th, 2016 Queretaro, Mexico.
- 2016 Sinaloa Association of Endodontics annual meeting Oct 20th and 21st, 2016. Mazatlan, Sinaloa. Mexico. Lecture: Pulp Tissue Reaction to Dental Caries (2 hrs.), Microbiology of the Root Canal (3 hrs.), New Trends in Root Canal Irrigation (4hrs).
- 2016 Universidad Autonoma de Guadalajara Alumni convention. Lecture: New Models for Biofilm Research. Guadalajara, Mexico. 2 hours. Sept 29th –October 1st, 2016.
- 2016 COSAE the Argentinian Association of Endodontics Meeting. Buenos Aires, Argentina. Lectures: Root Canal Microbiology and Irrigation of the Root Canal System. Irrigation of the Root Canal System. 4 hours of CE lectures. August 10th-12th, 2016.
- 2016 XXV Encuentro de Endodoncia de la Costa Atlantica. . Pulp tissue reaction to dental caries. Root canal Microbiology and Root Canal Irrigation. Cartagena de Indias, Colombia. 6 hours of CE lectures. April 28th-30th, 2016.

- 2016 American Association of Endodontics AAE Annual Meeting. Co-joint presentation: Evaluation of Efficacy of a New Tridimensional Instrumentation System in the Reduction of the Bacterial Load in the Root Canal System. San Francisco, CA. 30 minutes lecture presentation. April 26-29, 2016.
- 2016 American Association of Endodontics AAE Annual Meeting. Lecture: *In-vitro* Biofilm Research; Are Current Biofilm Models Acceptable (Adequate)? San Francisco, CA. 30 minutes lecture presentation. April 26-29, 2016.
- 2016 Universidad Autonoma de Baja California Advance program in Endodontics Microbiology and Root Canal Irrigation seminar for the Endodontic Residents. Tijuana, Mexico. 6 hours of lectures. January 22nd, 2016
- 2016 Long Beach Veteran Hospital Advanced program in Endodontics. 4 hours Microbiology seminars for the Endodontics Residents. Long Beach, CA. Dec 17th, 2016.
- 2016 University at Buffalo The State University of New York. Advanced program in Endodontics. 4 hours Microbiology seminars for the Endodontics Residents. Buffalo, NY Dec 11th, 2016.
- 2015 Primer Congreso de ex-alumnos del posgrado de Endodoncia de la Benemerita Universidad Autonoma de Oaxaca. Pulp tissue reaction to dental caries. Root canal Microbiology and Root Canal Irrigation. Oaxaca, Mexico. 6 hours of CE lectures. December 4th and 5th, 2015.
- 2015 Congreso Odontologico Endo-Laser Restaurador y Laser. II congreso de laser Odontologico y en areas de salud, IV Congreso Interamericano de Operatoria Dental y Biomateriales, XVI Congreso Internacional de la Sociedad Uruguaya de Endodoncia. LAI in Endodontics; PIPS. XP Endo Finisher, a new concept in Endodontics. 4 hours of CE lectures. October 6-9, 2015. Montevideo, Uruguay.
- 2015 8vo. Congreso Internacional de Endodoncia. Sociedad Peruana de Endodoncia. Biofilm removal and Irrigation of the Root Canal System. A New Instrument in our Armamentarium, XP Endo Finisher File. 6 hours of CE lectures. Lima, Peru, October 1, 2, 3 2015.

- 2015 How to: Disinfecting Root dentin and removal of biofilm. Use of LAI (Laser Activation Irrigation) PIPS in Root Canal Irrigation. ESE (European Society of Endodontics) 17th Biennial **ESE** Congress. 2 hours lecture. Barcelona Spain. 16-19 September 2015.
- 2015 Asociacion Dental de Michoacan. Lecture: (1) Biofilm in Endodontics. (2) Irrigation of the Root Canal systems. (3) Microbiology of the Necrotic Root Canal. Morelia, Mexico. 6 hours of CE lectures. June 11-13, 2015.
- 2015 XLV Congreso Istmeno de Odontologia, XIV Jornada Internacional de Periodoncia y XXII Expo-dental. 8 Hours lectures of CE. Panama Dental Association. Panama City, Panama February 26-28, 2015.
- 2014 Annual Meeting of the German Society of Endodontics and Traumatology (DGET) LAI (PIPS) for the Root canal Therapy. Hamburg, Germany. 31st October, 1st November 2014.
- 2014 Lectures presentation: Biofilm in Endodontics, Endodontic Microbiology and the Irrigation of the Root Canal System. Universidad de Cd. Juarez and Colegio de Especialistas de Cd. Juarez. 6 hours of CE lectures. Barrancas del Cobre, Mexico. August 2014
- 2014 American Association of Endodontics AAE Lecture presentation: Dentin disinfection by means of laser therapy (PIPS). 2014 Annual meeting. Washington, DC. April 2014.
- 2014 Universidad Autonoma de Puebla Alumni Convention. Biofilm and its role in Endodontic and Periapical disease. **PIPS** (Photon Induced Photoacoustic Streaming) - A New Era in Root Canal Irrigation. 4 hours of CE. Puebla, Mexico. Feb. 19, 2014.
- 2014 54th Loma Linda University Annual Alumni Convention - PIPS (Photon Induced Photoacoustic Streaming) - A New Era in Root Canal Irrigation. 2 hours of CE lecture February 6-9, 2014 Loma Linda, CA.
- 2013 Dominican Republic Dental Association and Endodontic Association. Presenting lectures in different Endodontic

topics. Pulp Reaction to Caries, Root Canal Microbiology, and Presence of Biofilm inside Root Canal system and Root canal Irrigation Santo Domingo, Dominican Republic, 8 hours of CE lectures. Nov. 21st-22nd, 2013.

2013 I Symposium EndoLatinos. "Root Canal Microbiology and Disinfection". 1 hr. Lecture Within the XXXIV AEDE Spanish Association of Endodontics and XIII CLAIDE Ibero American Endodontic Association meeting. Madrid, Spain. Oct 31st 2013.

2013 XXXIV AEDE Spanish Association of Endodontics and XIII CLAIDE Ibero American Endodontic Association meeting. The Biofilm concept in Endodontics. Madrid, Spain. Oct 31st, Nov 1st, 2nd 2013.

2013 Costa Rica Dental Association International Dental Meeting. Presenting 3 lectures in different endodontic topics. 8 hours of CE. Pulp Reaction to Caries, Root Canal Microbiology, Presence of Biofilm inside Root Canal system, Root Canal Irrigation. San Jose de Costa Rica, Sept 27-28, 2013.

2013 9th World and **IFEA** Endodontic Meeting. MAY 23RD-26th 2013 Tokyo, Japan. Lectured on:
Presence of intra and extra-radicular bacteria as a cause of Endodontic disease identified by various microscopic techniques. Free lecture presentation. May 23rd, 2013
B) Irrigation of the Root Canal System: Efficacy of a new laser technique (PIPS) compare to conventional irrigation and passive ultrasonic irrigation. Free lecture presentation. May 24th, 2013. 3 hours total.

2012 American Association of Endodontist. AAE meeting. LECTURE: Presence of intra and extra-radicular bacteria as a cause of Endodontic disease identified by various microscopic techniques. 1.5 hrs. presentation. Boston, MA. April, 18th, 2012
Irrigation of the Root Canal System: Efficacy of a new laser technique (PIPS) compared to conventional irrigation and passive ultrasonic irrigation. 1.5 hrs. presentation. Boston, Ma. April 19th, 2012.

2012 VII Congreso Odontologico. Colegio de Cirujanos Dentistas de Celaya. 4 hours of lectures. Celaya, Mexico. March 2nd-3rd, 2012.

- 2012 Loma Linda University Alumni Convention. Lecture: Updates on Endodontic Infection. Loma Linda, Ca. Feb 10, 2012.
- 2012 Annenberg Center for Health Sciences at Eisenhower Dental Education. Lecture presented New Approaches to Endodontics. 2 hours lecture of CE. Jan. 4th, 2012 Cathedral City, CA.
- 2011 XXV Evento Cientifico de la Asociacion de Especialistas Odontologicos del Norte, A.C. 8 hours of Lectures. Ciudad Juarez, Mexico. Oct 27th-29th, 2011.
- 2011 I congreso Internacional de Endodoncia y Odontologia Restauradora. Asociacion de Endodoncistas de Pichincha. Universidad San Francisco. 8 hours of Lectures. Quito, Ecuador. Nov, 17th -20th, 2011.
- 2011 European Society of Endodontology, Bi-annual meeting. 2 Abstracts presentations: "Microbiological Implications of Root Canal Treatment and Dental Implant Failures" "Latest in Root Canal Irrigation". Chairperson for a scientific session. 3.5 hours lectures Rome, Italy. Sept 15th-17th, 2011
- 2011 Lecture presented at American Association of Endodontist AAE annual meeting. "Microbiological Implications of Root Canal Treatment and Dental Implant Failures". San Antonio, TX. April 17th, 2011
- 2010 Sociedad Jalisciense de Endodoncia. XXIX Reunion Regional de Endodoncia 2010. Lecture: " New Technology in root canal irrigation" 2 hours lecture. Guadalajara, Mexico October, 22nd & 23rd, 2010.
- 2010 CFAM Dental meeting. "Root Canal Microbiology, Preser of Biofilm inside the root canal system, Root Canal Anatomy in 3D and Rotary Instrumentation of the Root Canal System" 8 hours of Lectures. Morelia, Mexico. October 15th, 2010.
- 2010 Universidad Cuauhtémoc. Impact of Dental Implants in Dentistry. Lecture. Microbiological aspect of Root Canal Failures. 2 hours lecture. Puebla, Mexico May 6th, 2010.

2010 Loma Linda University SD 50th Annual Alumni Student convention. Lecture: "Latest in Irrigation and Canal Disinfection". Centennial Complex, Loma Linda, Ca. February 5, 2010. 1hr. of CE earned.

INVITED PRESENTATIONS as GUEST PROFESSOR:

2018 Università di Cagliari. Master di il livello in Endodonzia Clinica e Chirurgica. 6 hrs. lecture to the Master in Endodontics Residents. Cagliari, Sardinia. June 19th, 2018.

2018 Loma Linda University, Advanced program in Endodontics. Seminar: Last trends in root canal irrigation. 2 hrs. lecture. Jan 5th, 2018.

2017 Universidad El Salvador. Root canal Microbiology and Irrigation of the Root Canal System Lectures presented to the 2nd year dental students. Buenos Aires, Argentina. May 14th, 2017

2017 Histo-Pathology of pulpal and periapical disease; Irrigation of the Root Canal System, New Trends. Presented as Seminar for USC Advanced Endodontic Program. 2 hours. Los Angeles, CA. Jul 17, 2017.

2017 Histo-Pathology of pulpal and periapical disease; Irrigation of the Root Canal System, New Trends. Presented as Seminar for Loma Linda Advanced Endodontic Program. 2 hours. Loma Linda, CA. Jul 17, 2017.

2016 Universidad Autonoma de Baja California School of Dentistry Tijuana. Advanced program in Endodontics. 8 hours of lecture for Endo Residents, July 2016. Tijuana, Mexico.

2013 Advance Program in Endodontics Universidad Autonoma de Oaxaca. 2 days course on Root Canal Microbiology, Root Canal Irrigation (The Use of EndoVac) and Root Canal Rotary instrumentation with different Rotary systems. Oaxaca, Mexico. 8 hours of lectures. August 5-6th, 2013.

- 2012 University of Southern California, Advance Program in Endodontics. Lecture presented Presence of bacteria inside the root canal system and root surface. Los Angeles, CA. 1 hour. Oct. 4th 2012.
- 2011 Veterans Hospital Endodontics Graduate Residency Program. Lecture presentation: Microbiology Implications on Root Canal and Dental Implant Failures. Long Beach, Ca. 2 hours lecture. Nov 10th, 2011.
- 2010 Universidad Autonoma de Baja California School of Dentis Tijuana. Advanced program in Endodontics. 8 hours of lectu for Endo Residents. Sept 3rd, 2010. Tijuana, Mexico.
- 2010 New York State University. Buffalo University. Advanced Program in Endodontics. 4 hours Lecture for Advanced Endodontic Residents. Buffalo, NY. June 17th, 2010.
- 2010 Long Beach VA hospital Endodontic program. Lecture: Pass Ultrasonic Irrigation: An SEM study. 2 hours lecture for t Endodontic residents. March 10th, 2010.

Peer Review Publications:

- 2018 Paloma Montero-Miralles, Roberto Estévez-Luaña, César DeGregorio-González, Oliver Valencia-DePablo, David E Jaramillo, Rafael Cisneros-Cabello. Effectiveness of Nd:YAG laser on the elimination of debris and Smear Layer. A comparative study with two different irrigation solution: EDTA and QMix in addition to NaOCl. *J Clin Exp Dent*. 2018; 10 (1):e70-4.
- 2017 Hsin-Hui Wang Daniel Sanabria-Liviach, Philippe Sleiman, Samuel O. Dorn David E. Jaramillo. Smear layer and debris removal from dentinal tubules using different irrigation protocols: scanning electron microscopic evaluation, an in vitro study. *Evidence-Based Endodontics* 2017. 2:5 <https://doi.org/10.1186/s41121-017-0011-4>

- 2016 Jaramillo DE, Aguilar E, Arias A, Ordinola-Zapata R, Aprecio RM, Ibarrola JL: Root canal disinfection comparing conventional irrigation vs photon-induced photoacoustic streaming (PIPS) using a buffered 0.5% sodium hypochlorite solution. Evidence-Based Endodontics. 2016;1; 6 DOI 10.1 186/s41121-016-0006-6.
- 2016 Jon D. Koch, David E Jaramillo, Enrico DiVito, Ove A. Peters. Irrigant flow during photon-induced photoacoustic streaming (PIPS) using Particle Image Velocimetry (PIV). Clin Oral Investig. 2016 Mar; 20 (2):381-6.
- 2015 DE Jaramillo, MJ Cruz, R Marte, L Tocci, G, Plotino, G Gambarini. Effectiveness of Different Activation Techniques in the Removal of Calcium Hydroxide Medication From Root Canal Walls. Endodoncia 2015;33(4):161-170.
- 2015 Jaramillo DE, Aguilar E, Leon M, Aprecio RM. Comparison of the Extrusion of Dentin Debris Using a New Instrumentation Concept. Oral Health Journal, May 2015 pp28-32
- 2015 Jaramillo DE, Diaz-Tueme A, Alonso-Ezpeleta O, Segura-Egea JJ: Biofilm on External Roots Surfaces Associated with Persistent Apical Periodontitis. Endodoncia Vol33 No.2 June 2015 pp 28-36.
(Award-winning paper "Rodriguez Carvajal")
- 2015 Higuera, O, Plotino G, Tocci L, Carrillo G, Gambarini G, Jaramillo DE. Cyclic Fatigue Resistance of 3 Different Nickel-Titanium Reciprocating Instruments in Artificial Canals. J Endodon 2015. June;41(6):913-5.
- 2015 Implants Failures Related to Endodontic Treatment: An Observational Retrospective Study. Lopez-Martinez F, Gomez Moreno G, Olivares-Ponce P, Jaramillo DE, Eduardo Mate Sanchez de Val J, Calvo-Guirado JL. Clin Oral Impl. Res 2015 Sep;26(9):992-5 Doi:10.1111/crl.12415
- 2014 Ordinola-Zapata R, Bramante CM, Duarte MA, Cavenago BC, Jaramillo DE, Versiani MA Shaping Ability of Reciproc and TF Adaptive Systems in severely Curved Canals of

Rapid Micro CT-Bases Prototyping Molar Replicas.. J Appl Oral Sci. 2014 Nov-Dec; 22(6):509-15

(first paper ever published using 3D tooth replicas)

- 2014 Fernandez L, Rice D, Ordinola-Zapata R, Alvarez AL, Bramante CM, **Jaramillo DE**, Christensen H. Detection of various anatomic patterns of root canals in mandibular incisors using digital periapical radiography, 3 cone-beam computed tomographic scanners and micro-computed tomographic imaging. J Endod 2014; 40:42-45.
- 2014 Ordinola-Zapata R, Bramante CM, Aprecio RM, Handysides RA, Jaramillo DE. Removal by 6% sodium hypochlorite activated by different irrigation techniques. Int Endod J. 2014, Jul; 47(7):659-66.
- 2013 Chu D, Jaramillo DE, Gustafson C, Rice D. Endodontics in 3D Endod Pract 2013 Vol 6(6)12-16.
- 2013 Schaudinn C, Jaramillo DE, Freire MO, Sedghizadeh PP, Nguyen A, Webster P, Costerton JW, Jiang C Evaluation of a non-thermal plasma needle to eliminate ex-vivo Biofilms in the root canals of extracted human teeth. Int Endod J. 2013 Oct; 46(10):930-7.
- 2013 Ordinola-Zapata R, Bramante CM, Minotti PG, Cavenago BC, Garcia RB, Bernardineli N, Jaramillo DE, Hungaro Duarte MA. Antimicrobial activity of tri antibiotic paste, 2% chlorhexidine gel, and calcium hydroxide on an intraoral-infected dentin biofilm model. J Endod. 2013 Jan; 39(1):115-8.
- 2012 Jaramillo DE, Aprecio RM, Angelov N, Divito E, McClammy TV. Induced Photoacoustic Streaming (PIPS) on root canal infected with Enterococcus faecalis: A pilot study. Endod Pract 2012 Vol 5(3) pp 28-32.
- 2012 Chunqi Jiang, Christoph Schaudinn, David E. Jaramillo, Paul Webster, J. William Costerton. "In Vitro Antimicrobial Effect of a Cold Plasma Jet against Enterococcus faecalis Biofilms". ISRN Dentistry, vol. 2012, Article ID 295736, 6 pages, 2012. doi:10.5402/2012/295736.
- 2012 Jaramillo DE., Arriola AR., Safavi K., Chavez de Paz LE. Decreased bacterial adherence and biofilm formation

on surfaces coated with a solution of benzalkonium chloride. J Endod 2012 Jun;38(6):821-5.

2010 **Jaramillo DE**, Rosas R, Angelov N. Dental Trauma: Case-Scenario Protocol for Dentist. Maced J Med Sci 2010;3(1):61-67

2009 **Jarmillo DE**, Bakland LK: Trauma Kit for the Dental Office. DCNA Oct 2009 Vol. 53 (4) pp.751-60.

BOOK CHAPTERS:

2017 Co-author CHAPTER 5 – Novos Conceitos e Técnicas na Irrigação do Sistema de Canais Radiculares: Photon Induced Photoacoustic Streaming (PIPS) EXCELENCIA EM ENDODONTIA CLINICA. Ed. 1a/2017 pp 186-90. Quintessence editor Ltda.

2016 Chapter Author ENDODONCIA I y II. Fundamentos y Clinica. Primera edicion. Raul Luis Garcia Aranda & Benjamin Briseno Editors. David E. Jaramillo: Microbiologia en Endodoncia. PP: 13-30. ISBN 978-607-02-5228-0 (Coleccion) Universidad Nacional Autonoma de Mexico. 2016.

2015 Endodontic Biofilm Book. Luis Chavez de Paz, Christine Sedgley & Anil Kishen editors. Chapter Author: The use of Scanning Electron Microscopy (SEM) in Visualizing the Endodontic Biofilm. Linda Peters, Brandon Peterson, David E Jaramillo, Luc van der Sluis. ISBN 978-3-663-47414-3. Springer. 2015.

2015 Chapter Author: Endodontic Irrigation. Chemical Disinfection of the Root Canal System. Chapter 13: Laser Activated Irrigation of the Root Canal systems. PIPS (Photon –Induced Photoacoustic Streaming) pp 228-235. ISBN 978-3-319-16455-7. Springer. 2015

2013 Chapter Author. Contemporary Restoration of Endodontically Treated Teeth. Evidence based diagnosis and treatment planning. David E. Jaramillo Chapter No. 14 Removal of Broken Instruments form the Root Canal System. PP 195-200. 2013 Quintessence Publishing Co Inc. Hanover Park, Il 60133

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