

# CURRICULUM VITAE

MARCH 10, 2023

## ACELA A. MARTINEZ LUNA, DMD, MS

### PERSONAL HISTORY

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Place of Birth	San Luis Potosi, Mexico
Citizenship	Mexico, United States Permanent Residency Status
Office Address	East Carolina University School of Dental Medicine 1851 MacGregor Downs Road Mail Stop 701 Greenville, NC 27834 Phone: 252-737-7748 Fax: 252-737-7049 E-mail: martinezlunaa17@ecu.edu
Home Address	929 Mill Creek Dr Greenville, NC 27834 Phone: 919-525-8072

### EDUCATION

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<b>Institution and Location</b>	<b>Degree</b>	<b>Date Conferred</b>	<b>Degree Major</b>
The University of North Carolina School of Dentistry Chapel Hill, NC	Fellowship	2016	Advanced Implant Dentistry
The University of North Carolina School of Dentistry Chapel Hill, NC	MS	2015	Periodontology
The University of North Carolina School of Dentistry Chapel Hill, NC	Certificate	2015	Periodontology
Centro de Estudios Odontologicos Queretaro, MX	Certificate	2012	Restorative Dentistry
University of Texas Health Science Center San Antonio, TX	Preceptorship	2011	Dental Implantology
Universidad Autonoma de San Luis Potosi San Luis Potosi, MX	DMD <i>cum laude</i>	2009	Dentistry

## **LICENSURE AND CERTIFICATION**

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### **Countries/States Licensed**

2021 - Present	North Carolina Dental License #12518
2018 - Present	North Carolina Sedation License #1103
2018 - 2021	Texas Dental License #33901
2017 - 2021	North Carolina Instructor's License #00186
2012 - 2016	North Carolina Dental Intern Permit #150914
2010 - Present	Mexico Dental License #6994106

### **Certifications**

2012 - Present	Advanced Cardiovascular Life Support (ACLS)
2012 - Present	Basic Life Support (BLS)

### **Specialty Boards**

2016	Diplomate American Board of Periodontology
2015	Board Certified Periodontist Mexican Association of Periodontology

### **Examinations**

2017	National Board Dental Examination Part II
2016	American Board of Dental Examiners Dental Exam (ADEX)
2014	National Board Dental Examination Part I

## **ACADEMIC, ADMINISTRATIVE OR PROFESSIONAL APPOINTMENTS**

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### **East Carolina University School of Dental Medicine Division of Periodontology, Department of Surgical Sciences**

2020 - Present	Division Director, Clinical Implantology
2022 - Present	Clinical Associate Professor
2017 - 2022	Clinical Assistant Professor

**The University of North Carolina at Chapel Hill Adams School of Dentistry  
Department of Periodontology**

2018 - Present            Clinical Adjunct Professor  
2012 - 2016            Teaching Assistant (during residency and implant fellowship)  
2014 - 2015            Chief Resident

**Universidad Autonoma de San Luis Potosi**

2004 - 2005            Class President

**Private Dental Practice**

2017 - Present            Periodontist, Faculty Practice  
East Carolina University School of Dental Medicine  
2016 - 2017            Periodontist, Private Practice  
Queretaro, Mexico  
2010 - 2012            Restorative Dentist, Private Practice  
Queretaro, Mexico

**PROFESSIONAL AFFILIATIONS**

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**Fellowship**

2018 - Present            International Team for Implantology (ITI)  
2011 - 2020            International Congress of Oral Implantologists (ICOI)

**Membership**

2023 - Present            North Carolina Society of Periodontists  
2019 - Present            American Dental Education Association  
2018 - Present            American Dental Association  
2018 - Present            North Carolina Dental Society  
2017 - Present            East Central Dental Society  
2012 - Present            American Academy of Periodontology  
2011 - Present            International Team for Implantology  
2011 - Present            Mexican Association of Periodontology

## SERVICE AND ENGAGEMENT ACTIVITIES

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2021, 2022	Hispanic Student Dental Association (HSDA) Sonríe Clinic for Hispanic Farmworkers, Greenville, NC <i>Helped in the organization and supervised ECU dental students at free dental clinic.</i>
2019	HSDA Oral Health Awareness Outreach Event, Greenville, NC <i>Provided oral hygiene instructions, orientation on how to access dental care in rural NC and answered dental health questions.</i>
2019	Clinical Supervisor, Bernstein Mini Missions of Mercy (MOM) Free Clinic, Greenville, NC <i>Supervised ECU dental students at a free dental clinic.</i>
2019	Clinical Supervisor and Provider, Missions of Mercy (MOM) Free Clinic, New Bern, NC <i>Performed dental treatment and supervised ECU dental students at a free dental clinic.</i>
2018	Clinical Supervisor and Provider, Missions of Mercy (MOM) Free Clinic, Fayetteville, NC <i>Performed dental treatment and supervised ECU dental students at a free dental clinic.</i>
2012 - 2016	Clinical Supervisor, Student Health Action Coalition (SHAC) Dental Clinic <i>Supervised dental treatment performed by dental students at a free dental clinic organized and run by UNC dental students serving indigent patients within the community.</i>
2012 - 2016	Screening Dentist and Translator, St Thomas More Dental Clinic <i>Screened and oriented patients at a free dental clinic organized and run by UNC dental students.</i>
2012 - 2016	Lecturer and Translator, El Pueblo Health Fair <i>Gave educational talks, provided orientation and answered dental health questions.</i>
2012 - 2013	Screening Dentist and Translator, Hargraves Community Health Fair <i>Screened and oriented patients at health fair organized and run by the Hispanic Dental Association UNC section.</i>
2011	Dentist, Congenital Diseases Institute of Queretaro <i>Provided free dental care with a team of medical and dental specialists to patients with congenital diseases.</i>
2009 - 2010	Dentist and Lecturer, Opportunities Program Secretariat of Public Health, Queretaro, Mexico

*Provided free dental care and gave educational talks to pregnant women and other patients with chronic diseases (mainly diabetes and hypertension) who lived in extreme poverty.*

- 2009 - 2010      Coordinator of the ELICA (Cavity-free) Program  
Secretariat of Public Health, Queretaro, Mexico  
*Provided educational talks to children and parents and coordinated free dental care. As a result, a public kindergarten was certified as “Cavity-free”*
- 2009 - 2010      National Community Service  
Secretariat of Health, Pedro Escobedo Health Center of Queretaro, Mexico  
*Completed 1,000 hours of the mandatory one-year national community service including work in the areas of: Dental Emergencies, Exodontics, Operative and Preventive Dentistry.*
- 2008 - 2009      Dental Care Provider, Mobile Dental Units Brigade  
*Provided free dental care to rural, isolated, low-income communities  
Organized and run by UASLP students*

## **HONORS AND AWARDS**

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- 2022              Outstanding Faculty Recognition  
ECU Division of Research, Economic Development, and Engagement (REDE)  
and School of Dental Medicine.
- 2021              Educator Award for Excellence in Teaching and Mentoring in Periodontics  
American Academy of Periodontology
- 2020              Finalist, Nevins Teaching and Clinical Research Fellowship Award  
American Academy of Periodontology Foundation
- 2019              Finalist, Budd and Linda Tarrson Fellowship Award  
American Academy of Periodontology Foundation
- 2019              Institute of Teaching and Learning Scholarship Award  
American Academy of Periodontology Foundation
- 2019              Hooder, East Carolina University Class of 2019
- 2018              Finalist, Budd and Linda Tarrson Fellowship Award  
American Academy of Periodontology Foundation
- 2017              Straumann New Periodontist Award  
American Academy of Periodontology
- 2015              Finalist, Kramer Excellence Award  
American Academy of Periodontology Foundation
- 2015              Straumann S.U.P.E.R. Grant

2015	North Carolina Local Section of the AADR-Derek T. Turner Student Research Award in MS/MPH Category
2014	Elsie and Baxter Sapp Fellowship Award The University of North Carolina School of Dentistry
2013	Secretariat of Public Education Scholarship National Government of Mexico
2012	CONACYT/COPOCYT Scholarship National Council of Science and Technology of Mexico
2011	Student Award and Earned Highest GPA in Restorative Dentistry Specialty Centro de Estudios Odontologicos de Queretaro
2010	Excellence Scholarship for Graduating with the Highest Honors Secretariat of Public Education, Mexico
2009	Outstanding Performance Award in CENEVAL Test (Mexico's national board test), customarily given to dental school seniors
2009	Valedictorian with the Highest GPA of the 2009 Graduating Class Universidad Autonoma de San Luis Potosi
2010	Community Service Student Excellence Award Universidad Autonoma de San Luis Potosi
2007	Full-tuition Academic Scholarship for Excellence Students Universidad Autonoma de San Luis Potosi
2006 - 2009	Student Excellence Award and Highest GPA of Dental School for four consecutive years Universidad Autonoma de San Luis Potosi

## **MAJOR TEACHING AND ADMINISTRATIVE RESPONSIBILITIES**

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### **East Carolina University School of Dental Medicine**

2020 - Present	Division Director, Clinical Implantology Oversee and advise on the didactic, preclinical and clinical curricula related to dental implants at the predoctoral and advanced education levels in compliance with accreditation standards. Collaborate and advise the Advanced Education in General Dentistry (AEGD) and General Practice Residency (GPR) Program Directors on the provision of didactic and clinical instruction on dental implants to dental residents. Coordinate and monitor the distribution and referral of dental implant cases among clinics (predoctoral, advanced education and faculty practice) given patient complexity and continuity of care. Collaborate and advise the Associate Dean for Clinical Affairs, staff, and related committees (e.g., Quality Assurance/Quality
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Improvement Committee and Equipment, Instrument and Materials Committee) on the inventory of implant components and the continuous review of quality care related to implant services. Serve as the school's liaison and representative with dental implant and device companies/partners on agreements (e.g., gifts-in-kind) and sponsored continuing dental education events. Participate in related SoDM committees, including service as a voting member of the Student Progress Committee.

2022 - Present  
2017 - 2022

Clinical Associate Professor  
Clinical Assistant Professor

Active participation in the delivery of patient care and the generation of new knowledge via research and scholarly activities. Provision of instruction in Periodontics to predoctoral dental students in the didactic, preclinical and clinical settings. Assessment of student achievement of competencies expected of the independent general dentist including the diagnosis and management of periodontal and peri-implant diseases. Working closely with the Division Director, Department Chair and the Assistant Dean for Dental Education and Informatics to develop, implement and deliver novel curricula to include active learning strategies and information technologies. Provision of instruction in Periodontics and dental implants to advanced education residents in interdisciplinary, didactic seminars and in the clinic (AEGD, GPR and Pediatric Dentistry programs). Assisting the Division Director, Department Chair and Associate Dean for Clinical Affairs in continuous quality improvement and compliance efforts. Active participation in the school's faculty practice plan. Service on committees and boards for state/federal government agencies, professional societies, and within the School and University. Preparation of accreditation and other program documentation as needed.

## Course Direction

### East Carolina University School of Dental Medicine (per academic year)

2018 - Present

*Dental Care Foundations 6(8620), Advanced Topics-Implantology: 41 hours*  
Added second dental implant system; updated the curriculum; created a syllabus; coordinated lectures and hands-on activities; presented content on numerous topics; prepared assignments and examinations for the course, which provides a basic framework for dental students to diagnose and treatment plan dental implants.

## Course Participation

### East Carolina University School of Dental Medicine (per academic year)

2017 - Present

#### **SoDM Teaching Activities for Predoctoral Program**

*Comprehensive Care Clinic, Assessment and Treatment (8x50). Periodontics Clinical Instruction: 506 hours*

*Dental Care Foundations 2, Fundamentals of Periodontology Module (8220). Didactic and preclinical instruction: 70 hours*

*Dental Care Foundations 6, Advanced Periodontology Module (8620), participation in 2017 and 2012: 8 hours*

*Dental Care Foundations 6, Surgical Periodontology Module (8620) (Dental Care Foundations 7 (8720) in 2017): 10 hours*

*Dental Care Foundations 4, Pediatric Dentistry Module (8420): 2 hours*

*Practice of General Dentistry 4 (8430), Sophomore Seminar Series, Diagnosis and Treatment Planning (8439): 13 hours*

*Community and Oral Health Practice 3 (8340), Evidence-Based for Oral Health: 2 hours*

2017 - Present

**SoDM Teaching Activities for AEGD and GPR Programs**

*Interdisciplinary Seminar: 13 hours*

*Clinical Photography Seminar: 5 hours*

*Assessment and Treatment, Advanced Care Clinic. Periodontics and Implantology Clinical Instruction: 84 hours*

**The University of North Carolina at Chapel Hill**

2015 - 2016

During my fellowship, assisted graduate Periodontology residents during one-on-one clinical treatment sessions to guide them during new and complex procedures. Led extracurricular seminars for Periodontology residents that consisted of hands-on activities related to *implant treatment planning software, implant placement, guided surgery, provisionalization, surgical guide design and 3D printing.*

2012 - 2015

*Periodontology and Periodontal Maintenance Student Clinics. Periodontal Clinical Instruction: 396 hours*

2015 - 2016

*Implant Provisionalization Hands-on for Predoctoral Dental Students: 3 hours*

2013 - 2015

*Clinical Crown Lengthening and Suturing Hands-on for Predoctoral Dental Students: 12 hours*

**Universidad Autonoma de San Luis Potosi**

2009

*Dental Admission Test Prep-course: 20 hours*

**COMMITTEE APPOINTMENTS**

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**Osteology Foundation**

2023 - Present

National Osteology Group U.S. Leadership Team

### **Women Implantology Network (WIN)**

2017 - Present          Steering Committee of the North America Section

### **International Team for Implantology (ITI)**

2022 - Present          ITI U. S. Section Study Clubs Coordinator

2022 - Present          U. S. Section Leadership Team

2018 - 2020            Education Committee of the U. S. ITI Section

2017 - 2020            Women of the U. S. ITI Committee

### **East Carolina University School of Dental Medicine**

2021 - Present          Educational Program - Clinical Sciences - Preclinical and Clinical Standards Committee for CODA Accreditation

2021 - Present          Search Committee for Dean of Clinical Affairs

2021 - Present          Search Committee for Periodontology Faculty Position

2021 - Present          Search Committee for Prosthodontics Faculty Position

2020 - Present          Member, Student Progress Committee

2020 - Present          Member, Digital Dentistry Working Group

2020                    Member, Department of Surgical Sciences 5-Year Chair Review committee

2019                    Chair, Search Committee for Oral and Maxillofacial Surgery Faculty Position

2019                    Search Committee for Prosthodontics Faculty Position

2018                    Search Committee for Oral Epidemiology Faculty Position

2018 - Present          Chair, Implant Advisory Committee

2017 - 2018            Staff Appreciation Committee

2017                    Search Committee for Pediatric Dentistry Division Director

### **INVITED PRESENTATIONS**

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Artificial Intelligence in Implant Digital Workflows. Celebration of Research and Scholarship, East Carolina University. Greenville, NC; February 2023.

Team Science and Funding Success at ECU. STEM at Star Light. Greenville, NC; November 2021.

Guided Surgery: Indications and Workflow. Durham Orange Dental Society. Online; March 2021.

How to integrate digital dentistry and implantology? Tar River Study Club. Wilson, NC; January 2020.

Guided Surgery: From Planning to Execution. Wayne County Dental Society. Goldsboro, NC; September 2019.

ITI Town Hall Meeting Panel Discussion. ITI Congress North America. San Francisco, CA; April 2019.

Update: Peri-Implant Diseases and Conditions. Four Corners Study Club, Greenville, NC; February 2019.

Digital Technology Applied to Implant Dentistry and Biomodels. Student Research Group, East Carolina University School of Dental Medicine. Greenville, NC; October 2017.

Digital Technology Applied to Implant Dentistry and Biomodels. Ateneo Odontologico Mexicano Study Club. Mexico City; March 2017.

Implant Site Development: Ridge Preservation and Guided Bone Regeneration; Principles of Sinus Augmentation; Treatment of Peri-Implant Diseases. Colegio Mexicano de Oseointegracion. Monterrey, MX; March 2017.

Periodontal Regeneration and Biomimetic Agents; Use of Biomodels for Surgical Planning. Universidad de Guadalajara. Guadalajara, MX; February 2017.

Digital Technology Applied to Implant Dentistry and Biomodels. Restorative Dentistry Program Alumni Reunion. Centro de Estudios Odontologicos. Queretaro, MX; November 2016.

Principles of Tissue Regeneration. Centro de Estudios Odontologicos. Queretaro, MX; August 2015.

Osteogenic Activity Associated with Dental Implant Placement in Patients with Type 2 Diabetes Mellitus as Compared to Healthy Individuals. National Council of Science and Technology of Mexico. San Luis Potosi, MX; July 2015.

Guided Tissue Regeneration and Biomimetics. Universidad Autonoma de San Luis Potosi, Department of Endodontics. San Luis Potosi, MX; July 2015.

Panel Discussion: Periodontology. The University of North Carolina at Chapel Hill. Dental Hygiene Program. Chapel Hill, NC; April 2014.

Aggressive Periodontitis. The University of North Carolina at Chapel Hill. Dental Hygiene Program. Chapel Hill, NC; March 2014.

The Role of the Dental Assistant. The University of North Carolina at Chapel Hill. Dental Assisting Program. Chapel Hill, NC; February 2014.

Clinical Cases in Periodontology. Hispanic Dental Association. Chapel Hill, NC; November 2013.

## **CONTINUING EDUCATION COURSES PRESENTED**

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The Surgical Digital Workflow: From Data Acquisition to Execution. South Carolina Society of Periodontists. Columbia, SC; February 2023.

Peri-implant Tissue Health and Stability: Treatment Modalities to Obtain, Maintain, and Restore. South Carolina Society of Periodontists. Columbia, SC; February 2023.

The Surgical Digital Workflow: From Data Acquisition to Execution. Straumann Webinar Series. Online; August 2022.

Peri-implantitis: From Pathogenesis to Treatment. Philadelphia Tri-state ITI Study Club. Online; October 2021.

Guided Implant Surgery: Rationale and Workflow. Western New York ITI Study Club. Online; August 2021.

Guided Surgery: Rationale and Workflow. ECU School of Dental Medicine. Greenville, NC; March 2021.

International Team for Implantology (ITI) webinar series. Prevention and Management of Implant complications: Restorative Related Complications. Online; January 2021.

Course Director and Presenter, International Team for Implantology (ITI) Curriculum Foundation Level Implantology Certification. East Carolina University School of Dental Medicine. Greenville, NC; November 2019.

Digital Technology Applied to Implant Dentistry. Colegio Dental Potosino International Annual Meeting. San Luis Potosi, MX; October 2018.

Update and Calibration on Periodontal Disease Diagnosis and Treatment: New Tools Available in Axiom. East Carolina University School of Dental Medicine. Greenville, NC; October 2018.

ITI and Guided Surgery Treatment Planning. Straumann Young Professionals Symposium. Washington, DC; June 2018.

Implant Site Development and Socket Grafting for the General Dentist. Old North State Dental Society. Greenville, NC; April 2018.

Digital Technology Applied to Implant Dentistry. Universidad Autonoma de San Luis Potosi. San Luis Potosi, MX; November 2016.

## **RESEARCH**

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### **MAJOR RESEARCH INTERESTS**

- Association of periodontal disease with systemic diseases
- Osseous healing and periodontal regeneration
- Guided surgery and 3D printing
- Implant dentistry

## DISSERTATION OR THESIS

Martinez Luna AA. Osteogenic Activity Associated with Dental Implant Placement in Patients with Type 2 Diabetes Mellitus as Compared to Health Individuals. UNC-Chapel Hill, 2015. Online Access: <https://cdr.lib.unc.edu/record/uuid:f8f034b3-e202-4758-8390-77dfd6fcb4f>

Martinez Luna AA. Comparison of Systems for Polishing Ceramics Intra-orally. Centro de Estudios Odontologicos de Queretaro, 2011.

## RESEARCH COLLABORATIONS

Prevalence of Gingivitis and Periodontal Disease in Pregnant Women Attending the Pedro Escobedo Health Center. Secretariat of Health. Queretaro, MX; August - July 2010.

Prevalence of Prehypertension and Undiagnosed Hypertension in Patients Attending the Pedro Escobedo Health Center Dental Clinic. Secretariat of Health. Queretaro, MX; August - July 2010.

## POSTERS AND ABSTRACTS

Blackstock M, Sheba M, Elgendy H, Gillone A, **Martinez Luna AA**. **Use of Custom Anatomic Healing Abutments: A Case Report.** *Celebration of Research and Scholarship, East Carolina University, Greenville, NC; February 2023.*

Folk L, Wu Y, Gillone A, **Martinez Luna AA**. The Use of Artificial Intelligence in Implant Digital Workflows. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC; February 2023.*

Gillone A, **Martinez Luna AA**, Wu Q, Camargo G, Moss M, Murata R, Pardi V, Paquette DW. Racial and Ethnic Disparities in Periodontal Health Not Related to Socioeconomic Status of Adults Seeking Care. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC; February 2023.*

Elgendy H, Sensi L, Aileru A, Abdelaal M, Sheba M, **Martinez Luna AA**. The Need of Virtual Reality (VR) In Dental Education. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC; February 2023.*

Vasa S, Abdelaal M, Sheba M, Elgendy H, Gillone A, **Martinez Luna AA**. Management of Compromised Intertooth Space In The Esthetics Zone With Conservative Approach. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC; February 2023.*

**Martinez Luna AA**, Gillone A, Abdelaal M, Paquette, DW. Full-Arch Implant Placement Using a Magnetically Connected Surgical Guide. *EuroPerio10, Copenhagen, Denmark; June.*

**Martinez Luna AA**, Gillone A, Elgendy H. Lip repositioning, an Innovative Approach for the Treatment of “Gummy” Smile: A Case Report. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC; February 2022.*

Allen M, Elgendy H, **Martinez Luna AA**. Anterior Esthetic Rehabilitation – A Digital and Traditional Planning Approach. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC; February 2022.*

Reason T, Cui X, Pardi V, **Martinez Luna AA**. CBCT Analysis of Vertical Soft Tissue Thickness of Implant Sites. *99<sup>th</sup> International Association for Dental Research*; July 2021

Nguyen H, **Martinez Luna AA**, Thompson S, Camargo G, Conner C, Grine W, Salvanera D, Glavich D, Qiang W, Paquette D, Gillone A. Prescription of opioids, and non-steroidal anti-inflammatory drugs at a U.S. Dental School. *99<sup>th</sup> International Association for Dental Research*; July 2021.

Elgendy H, **Martinez Luna AA**, Abdelaal M, Gillone A, Travor R. Digital Analysis and Treatment of Midline Diastema Closure: A Case Report. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC*; February 2020.

Mitchum N, Camargo G, Flores-Hidalgo A, Gillone A, Paquette DW, **Martinez Luna AA**. Retrospective Evaluation of Maxillary Sinus Pathology in Patients with Subsinus Edentulism Using Cone Beam Computed Tomography. *98<sup>th</sup> International Association of Dental Research Meeting, Washington, DC*; March 2020.

Pardi V, Moss ME, Wright WG, **Martinez Luna AA**, Gillone A, Wu Q, Camargo GA, Bell RA, Keene KL, Paquette DW. Effect of Age on Healing Responses Following Scaling and Root Planing. *98<sup>th</sup> International Association of Dental Research Meeting, Washington, DC*; March 2020.

**Martinez Luna AA**, Gillone A, Moss M, Gay I, Camargo G, Wu Q, Paquette DW. Tooth Loss Disparities among Adults Seeking Dental Care in Rural North Carolina. *American Academy of Periodontology Annual Meeting, Chicago, IL*; November 2019.

Gillone A, Glavich D, Conner C, **Martinez Luna AA**, Serag M, Gay I, Camargo G, Wu Q, Paquette DW. Prevalence of Peri-implantitis and Peri-implant Mucositis: A Review of Electronic Health Records at a U. S. Dental School and Its Satellite Rural Clinics. *American Academy of Periodontology Annual Meeting, Chicago, IL*; November 2019.

Conner C, Glavich D, **Martinez Luna AA**, Paquette DW, Gillone A. Anatomical Variations of Mental Foramen Detected by CBCT. A Case Report. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC*; August 2019.

Anderson L, Abdelaal M, Gillone A, Serag M, **Martinez Luna AA**. Digitally Designed Milled Bar Overdenture for the Treatment of Atrophic Mandible. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC*; August 2019.

Anderson L, Abdelaal M, Gillone A, Schlichting L, Serag M, **Martinez Luna AA**. Provisionalization of Anterior Implant-Supported Bridge Using Combined Digital and Traditional Techniques. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC*; August 2019.

Serag M, Pafford M, Gillone A, **Martinez Luna AA**. Correcting Skeletal Class III Malocclusion with Full Arch Implant-Supported Prosthesis. *Celebration of Research and Scholarship, East Carolina University, Greenville, NC*; August 2019.

Paquette D, Swift C, Gillone A, **Martinez Luna AA**, Gay I, Camargo G, Wu Q, Bell R, Keene K, Moss M. Periodontal Health Disparities Among Adults in Rural North Carolina. *97<sup>th</sup> International Association of Dental Research Meeting, Vancouver, CA*; June 2019.

Gillone A, **Martinez Luna AA**, Moretti A. Amlodipine-Induced Severe Gingival Overgrowth: A Case Report. *EuroPerio9 Meeting*, Amsterdam, ND; June 2018.

**Martinez Luna AA**, Byrd KM, Yu N, Becharit S, Morelli T, Offenbacher S, Barros SP. Osteogenic Activity Associated with Porous Tantalum Implants in Diabetic Patients. *94<sup>th</sup> International Association of Dental Research Meeting*, Boston, MA; March 2015.

**Martinez Luna AA**, Byrd KM, Yu N, Becharit S, Morelli T, Offenbacher S, Barros SP. Osteogenic Activity Associated with Porous Tantalum Implants in Diabetic Patients. *Dental Research in Review Day, University of North Carolina at Chapel Hill School of Dentistry*, Chapel Hill, NC; February 2015.

**Martinez Luna AA**, Byrd KM, Yu N, Bencharit S, Morelli T, Bo H, Offenbacher S, Barros SP. Examination of Initial Wound Healing and Osseointegration of Titanium Implants in Patients with Type 2 Diabetes Mellitus. *Dental Research in Review Day, University of North Carolina at Chapel Hill School of Dentistry*, Chapel Hill, NC; February 2014.

## BOOK CHAPTERS

Martinez Luna AA, Gohlami F. Management of Furcation Defects. In: *Advances in Periodontal Surgery, A Clinical Guide to Techniques and Interdisciplinary Approaches*. Nares S, ed. Springer Publishing Berlin, 2019: 117-133.

## JOURNAL ARTICLES

Cui X, Tyler Reason T, Pardi V, Wu Q, **Martinez Luna AA**. CBCT Analysis of Crestal Soft Tissue Thickness Before Implant Placement and Its Relationship with Cortical Bone Thickness. *BMC Oral Health*. 2022 Dec 10;22(1):593.

Gillone A, **Martinez Luna AA**, Wu Q, Camargo G, Moss M, Murata R, Pardi V, Paquette DW. Periodontal Health Disparities among Adults from Rural North Carolina Communities. *J Periodontol*. 2022 Nov 2. doi: 10.1002/JPER.22-0137.

Serag M, Gillone A, **Martinez Luna AA**. Immediate Loading of Full-Arch Prosthesis Utilizing Self Drilling Implants, *Compendium of Continuing Education in Dentistry*, 2022 March ;43(3):1-4.

## RESEARCH GRANTS

American Academy of Implant Dentistry (12/19/2020-12/31/2023). Soft and Hard Tissue Changes Around Implants Using Customized CAD/CAM Healing Abutments. AA Martinez Luna, PI, 60% effort. \$24, 950 Direct Costs.

International Congress of Oral Implantologists - Implant Dentistry Research and Education Foundation Grant (4/1/21 – 3/31/22) Correlation between pre-extraction periodontal status and peri-implant microbiome for patients treated with implant-retained overdenture. M Serag, PI, 20% effort. \$19,300 Total Support.

## STUDENT RESEARCH MENTEES

Nathan Mitchum, Summer Research Scholar Program, ECU School of Dental Medicine. Retrospective Evaluation of Maxillary Sinus Pathology and Anatomical Variations in Patients with Subsinus Edentulism Using Cone Beam Computed Tomography. June 2019.

Hieu Nguyen, Summer Research Scholar Program, ECU School of Dental Medicine.  
Prescription of Opioids, Non-Steroidal Anti-Inflammatory Drugs at a US Dental School. June 2020.

Tyler Reason, Summer Research Scholar Program, ECU School of Dental Medicine.  
Cone Beam Computed Tomography Analysis of Alveolar Ridge Vertical Soft Tissue Thickness. June 2020.

### **PUBLIC HEALTH PROGRAM MENTEES**

RDA Amanda Davis, Community Dental Health Coordinator Program, Alamance Community College.  
Supervising dentist and mentor for public health outreach project directed to the Hispanic community of Greenville, NC. December 2019.

### **EDUCATIONAL MULTIMEDIA**

#### **Dental Pearls Application**

As part of a team of periodontists, created an application on Periodontology cases with a step-by-step treatment sequence supported by intraoral images, exam questions, references, graphics and literature reviews. November 2016.

#### **Clinical Photography Educational Video**

iTunes U step-by-step tutorial video on extraoral and intraoral photography. August 2019.