

NICOLAAS C. GEURS, DDS, MS
Weatherford/Palcanis endowed Professor
Diplomate of the American Board of Periodontology

ACADEMIC POSITION

Rank: Professor in Periodontology

Title: Department Chair

School: School of Dentistry, University of Alabama at Birmingham

EDUCATION

1990: Drs	Dentistry at A.C.T.A., Free University of Amsterdam, The Netherlands
1992: Dentist Exam	A.C.T.A., Free University of Amsterdam, The Netherlands
1995: Certificate	Periodontics, University of Alabama at Birmingham, School of Dentistry
1995: MS	Graduate School, University of Alabama at Birmingham, Master's in Clinical Dentistry

LICENSURE

1992-present	Tandarts, European Community, Registered in The Netherlands BIG #29038195202
1995-2001	Alabama Teaching Permit #205
2001-present	Alabama Special Teaching Permit #330
2007-present	Alabama Parenteral Sedation Permit

BOARD CERTIFICATION

1998 American Academy of Periodontology

PROFESSIONAL HISTORY

ACADEMIC APPOINTMENTS

University of Alabama at Birmingham

1995-1997	Research Instructor, Department of Periodontics
1997-2002	Assistant Professor, Department of Periodontics
2001-2015	Associate Scientist, Center for Metabolic Bone Disorders (CMBD)
2015-present	Senior Scientist, Comprehensive Arthritis, Musculoskeletal, Bone and Autoimmunity Center (CAMBAC)
2001-present	Graduate School Faculty
2002-2010	Associate Professor, Department of Periodontology
2010-present	Professor, Department of Periodontology
2019-present	Senior Scientist, UWIRC Center for Women's Reproductive Health
2020	Center for Clinical and Translational Science, Member
2020	Faculty Member UAB Microbiome Center

Visiting Professorship

2003	Universidad Francisco Marroquin, Guatemala
2009	Universidad Católica Santo Toribio de Mogrovejo, Chiclayo Peru

ADMINISTRATIVE APPOINTMENTS – UAB

1998-2003	Director of Predoctoral Periodontics
2003-2012; 2014	Program Director, Advanced Education Program in Periodontology
2011-2012	Acting Chair, Department of Periodontology
2012-present	Chair, Department of Periodontology

SERVICE AND RECOGNITION

AWARDS/HONORS

2005	Best Article Published in <i>The International Journal of Oral and Maxillofacial Implants</i> awarded by the Academy of Osseointegration for “A Comparison of Hydroxyapatite (HA)-coated Threaded, HA-coated Cylindrical and Titanium Threaded Endosseous Dental Implants” Jeffcoat MK, McGlumphy EA, Reddy MS, Geurs NC, Proskin HM.
2005	Inducted into American College of Dentists at 2005 annual meeting, Philadelphia, PA
2007	American Academy of Periodontology Educator Award
2010	Academy of Osseointegration Foundation Grant. Award presented at AO annual meeting in Orlando, FL
2014-2015	Selected to participate in Executive Development Program, UAB
2016	Named First Holder of the Dr. Tommy Weatherford/Dr. Kent Palcanis Endowed Professorship in Dentistry
2016	UAB President’s Award for Excellence in Teaching Dentistry
2017-2018	ADEA Leadership Institute Fellow
2017	American Academy of Periodontology Foundation R. Earl Robinson Periodontal Regeneration Award

PROFESSIONAL SOCIETIES AND MEMBERSHIPS

1995–present	American Dental Association
1992–present	American Academy of Periodontology
1995–present	Alabama Dental Society
1995–present	Birmingham District Dental Society
1992–present	European Federation of Periodontology
1994–present	American Association for Dental Research
1994–present	International Association of Dental Research
1992–present	Nederlandse Vereniging voor Parodontologie
1995–present	Nederlandse Vereniging voor Orale Implantologie
1995–present	American Dental Education Association
1992–present	Southern Academy of Periodontology
1998–present	Omicron Kappa Upsilon – Phi Phi Chapter
1995–present	UAB School of Dentistry Alumni Association
1999–present	Academy of Osseointegration
2004–present	American College of Dentists
2019–present	ITI Fellow

EXTRAMURAL SERVICE

A. Professional Advisory Committees:

National and State Committees

2000-2002	Alabama Department of Health Osteoporosis Prevention Task Force, Dental Representative
2004-2014	American Academy of Periodontology Research Submission Sub-committee (Judge Orban Research Competition)
2005-2011	Consultant to the Commission on Dental Accreditation (Periodontology)
2009-present	American Academy of Periodontology Education Committee
2010-2012	American Academy of Periodontology Postdoctoral Directors Organization, Chair
2010-2012	ADEA Council of Hospitals and Advanced Education Programs
2012-2012	American College of Prosthodontics Task Force on Specialty Referrals
2012-2016	CODA Predoctoral Review Committee
2014	Chair, American Academy of Periodontology Task Force for the Update of the 1999 Periodontal Disease Classification
2016-present	American Board of Periodontology Examiner
2016-2019	Consultant to the Commission on Dental Accreditation (Periodontology)
2018-present	American Academy of Periodontology Education Consultant
2023-present	Workgroup 3 of the Best Evidence Consensus on Peri-implant Disease and its Treatment, IADR Implantology Research Group

International Committees

2000-2003	IADR Hatton Award committee
-----------	-----------------------------

B. Editorial Service

2001-present	Ad hoc Reviewer, Journal of the American Dental Association
2006-present	Ad hoc Reviewer, Journal of Periodontology
2005-present	Ad hoc Reviewer, Journal of Clinical Periodontology
2007-present	Ad hoc Reviewer, ACTA Odontologica Scandinavica
2007-present	Ad hoc Reviewer, Journal of Dental Research
2011-present	Ad hoc Reviewer, Clinical Advances in Periodontics
2011-present	Journal of Periodontology and Clinical Advances in Periodontics Editorial Advisory Board

INTRAMURAL SERVICE

i. Present:

2011-present	Executive Council
2014-present	Electronic Dental Record Committee
2017-2025	President's Award for Excellence in Teaching Working Group
2020-present	Clinical affairs committee

ii. Past:

School of Dentistry Committees

1997-2000	Student Honors and Awards Committee (Chair 1999, 2000)
1998-1999	Academic Council
1998-1999	Quality Council

1998-1999	Ad Hoc Committee for Curriculum Review
1999-2002	Faculty Council (Vice-chair 1999; Chair 2000)
1999-2000	Accreditation Committee-Undergraduate Periodontology
1999-2006	Curriculum Committee
2000-2003	Academic Performance Committee
2000-2001	Executive Council
2000-2003	Omicron Kappa Upsilon Secretary/Treasurer
2003-2004	Omicron Kappa Upsilon President
2003	Search Committee for Dean of the School of Dentistry
2006-2008	Faculty Council
2003-2011	Postgraduate Education Committee
2003-2007	Postgraduate Accreditation Committee
2007-2010	Promotion and Tenure Committee
2010-2013	Faculty Development Committee
2012-2013	Promotion and Tenure Committee
2012-2013	Dental School Liaison to the CAS Innovation Forum
2008-2014	Intramural Professional Practice Committee
2014-2015	Postgraduate Education Committee, Chair
2014-2017	Strategic Planning & Assessment (SPA) Committee
2015-2018	Continuing Education Advisory Committee
2017-2020	Search Committee, Associate Dean for Research, Dentistry
2017-2020	Research Advisory Committee, Dentistry
2018-2019	Standard 5 Task Force Committee
2018-2019	Strategic Planning & Assessment (SPA) Committee
2018- 2020	Chair, Search Committee for Chair of Endodontics, Program director for the advanced training program in Endodontics
2018-2021	Chair, Promotion and Tenure Committee
2021	Chair Search Committee, Associate Dean for Research, Dentistry

University-Wide Committees

2006-2007	Distinguished Faculty Lecturers Committee
2013-present	UAB Global Citizenship, Dentistry Representative
2014-2016	Ingalls/UAB National Alumni Society Award for Lifetime Achievement in Teaching Selection Committee
2017	Search Committee, Senior Vice President for Academic Affairs and Provost

Thesis Committees/PhD Dissertation Committees

Master's Degree Candidates

2002	Gonzalez-Toledo, Javier UAB Periodontal Resident, Master's Degree Candidate "Cytokine levels on patients with periodontal disease and premature low birth weight babies"
2004	Romanos, Alain UAB Periodontal Resident, Master's Degree Candidate "Papilla regeneration using micronized acellular dermal graft"
2005	Chaddad, Karim UAB Periodontal Resident, Master's Degree Candidate "Immediate Loading of Two Temporary Anchorage Devices"

2006	Lee, Hung-Wen UAB Periodontal Resident, Master's Degree Candidate "Efficacy of Platelet-Rich Plasma on Wound Healing"
2008	Gay, Isabel UAB Periodontal Resident, Master's Degree Candidate "Isolation and characterization of pluripotent human periodontal ligament stem cells"
2009	Livada, Rania UAB Periodontal Resident, Master's Degree Candidate "Association between clinical measurements of bone density with radiographic and histological data"
2010	Leavitt, Cury UAB Periodontal Resident, Master's Degree Candidate "Correlation of bone density using histomorphometric and cone beam computed tomographic analysis"
2010	Reganato, Anthony UAB Periodontal Resident, Master's Degree Candidate "Esthetic criteria analysis of single-tooth implant-supported restorations in the anterior maxilla"
2011	Pardo, Juan Francisco UAB Periodontal Resident, Master's Degree Candidate "Impact of site development techniques in the soft tissue height on single implant supported prosthesis in the anterior maxilla"
2012	Beaudry, Kathleen UAB Periodontal Resident, Master's Degree Candidate "A histologic and radiographic analysis of bone formation under the elevated sinus using venous coagulum as the sole filling material"
2012	Abou-Arraj, Ramzi UAB Periodontal Resident, Master's Degree Candidate "The characteristics of soft tissue following root coverage procedures with two types of acellular dermal matrix allografts"
2012	Nguyen, Michael UAB Periodontal Resident, Master's Degree Candidate "The influence of growth factors applied during socket conversion, on the incidence of spontaneous early dental implant exposure"
2013	Bain, Jennifer UAB Periodontal Resident, PhD Degree Candidate "Targeted delivery of osteoinductive molecules to bone grafts"
	Ntounis, Athanasios UAB Periodontal Resident, Master's Degree Candidate "A prospective study of bone augmentation with growth factors in extraction sockets"
	Kaur, Maninder UAB Periodontal Resident, Master's Degree Candidate "The effect of an intensive oral hygiene regimen on gingival inflammation during pregnancy: Clinical and Laboratory"
2015	Felts-Randall, Elizabeth UAB Periodontal Resident, Master's Degree Candidate "A prospective randomized clinical trial to assess the performance of microtextured dental implants with or without machined collar-1 year results"
2015	Matin, Brittany UAB Periodontal Resident, Master's Degree Candidate "The accuracy of a clinician's assessment of insertion torque at implant placement"

- 2017 **Sharma, Pragma** UAB Periodontal Resident, Master's Degree Candidate
"Comparison of bone augmentation techniques in extraction sockets: A soft and hard tissue wound healing analysis"
- 2017 **Hsu, Jeffrey** UAB Periodontal Resident, Master's Degree Candidate
"A Prospective, randomized clinical trial to compare free gingival graft and connective tissue graft around implants with a lack of keratinized mucosa"
- Guzman, Luis** UAB Periodontal Resident, Master's Degree Candidate
"Correlation of preoperative analysis of CBCT gray value with implant primary stability"
- 2018 **Valiquette, Gentiane** UAB Periodontal Resident, Master's Degree Candidate
"Clinical and Histomorphometric Outcomes Following the Use of Small versus Large Particle Sized Bone Allografts in Ridge Preservation Procedures: A Randomized Clinical Trial"
- 2018 **Basma, Hussein**, UAB Periodontal Resident, Master's Degree Candidate
"A randomized trial to evaluate the effect of allograft bone particle size on histomorphometric and clinical outcomes following ridge preservation and augmentation procedures"
- 2019 **Aboosi, Yousuf**, UAB Periodontal Resident, Master's Degree Candidate
Identification and application of gingival mesenchymal stem cells for dental tissue regeneration
- 2019 **Villalobos, Silvia**, UAB Periodontal Resident, Master's Degree Candidate
Effect of antidepressants on inflammatory markers in gingival tissue and serum samples in patients with chronic periodontitis
- 2020 **Andrea Pizzini**, UAB Periodontal Resident, Master's Degree Candidate
The Impact of Anatomic, Patient and Surgical Factors on Membrane Perforation During Lateral Wall Sinus Floor Elevation.
- 2020 **Anthony Pikos**, UAB Periodontal Resident, Master's Degree Candidate
Ideal Gingival Display Upon Full Smile: A Comparative Evaluation in American Dental Professionals and Laypeople
- 2020 **Jamie Howard**, UAB Periodontal Resident, Master's Degree Candidate
A Prospective, RCT to Compare Vestibular Incision Supraperiosteal Access and Sulcular Tunnel Access Root Coverage Procedures to Treat Gingival Recession a Pilot Study
- 2021 **Nasseh, Peter**, UAB Periodontal Resident, Master's Degree Candidate
The effects of implantoplasty on implant design characteristics and mechanical strength.
- 2021 **Liu, Kenneth**, UAB Periodontal Resident, Master's Degree Candidate
A randomized controlled trial to compare the histomorphometric and clinical outcomes of soft tissue augmentation at the time of lateral ridge augmentation procedures.
- 2021 **Galviz, Geisy**, UAB Periodontal Resident, Master's Degree Candidate
Clinical, radiographic, and histomorphometric outcomes following ridge preservation using leukocyte- and platelet-rich fibrin and freeze-dried bone allograft layered technique: A prospective, randomized clinical trial.

- 2022 **Lisa Shi**, UAB Periodontal Resident, Master's Degree Candidate
The effect of maxillary sinus anatomical variations, surgical considerations, and patient factors on volumetric changes following lateral wall sinus floor elevation technique for up to 8 years
- 2022 **Maggie Misch-Haring**, UAB Periodontal Resident, Master's Degree Candidate
A comparison of growth factor release between platelet rich fibrin and recombinant human platelet derived growth factor BB (RHPDGF-BB) and beta-tricalcium phosphate: An In Vitro Analysis
- 2022 **Karen Jo**, UAB Periodontal Resident, Master's Degree Candidate
A prospective randomized clinical trial to compare side access mucosal releasing incision (SAMRI) and sulcular tunnel access and root coverage procedures with coronally advanced flap and acellular dermal matrix (ADM) to treat teeth with gingival recession and lack of adequate keratinized tissue. A Pilot Study.

MENTORSHIPS

Student Research

- 1993 Bart Gerdessen, Exchange Student ACTA, Amsterdam, The Netherlands
"Digital Radiography and Diagnostics in Periodontology"
- 1994 Elsbeth van Unen and Irene van der Zee, Exchange Students ACTA, Amsterdam, The Netherlands
"Digital Subtraction Radiography in the Evaluation of Periodontal Regeneration"
- 1996 Niels Koning and Farnaz Yazdi Khaleghi, Exchange Students ACTA, Amsterdam, The Netherlands
"Retrospective Radiographic Analysis of Sinus Grafts"
- 1997 Marieke van der Maarel and Ioana Pavelescu, Exchange Students ACTA, Amsterdam, The Netherlands
"Keratinized Gingiva and Implant Success"
- 1997 Jon Bowie, UAB School of Dentistry
"Design of a Clinical Trial for a Novel Topical Anesthetic"
- 1998 Siyad Kanho, Exchange Student ACTA, Amsterdam, The Netherlands
"Evaluation of Regeneration Using a Micro-dense Barrier with Digital Subtraction Radiography"
- 1999 Charles Crowder, UAB School of Dentistry
"Radiographic Assessment of Periodontal Bone Loss Over 20 Years"
- 1999 Christian Grientschnig and Ayan Rambharse, Exchange Students ACTA, Amsterdam, The Netherlands
"Radiographic Evaluation of Ridge Augmentations"
- 2000 Sean Hair, UAB School of Dentistry
"Intrapocket Anesthesia for Scaling and Root Planing"
- 2001 Candice Johnson, UAB School of Dentistry
"Keratinized gingival and soft tissue position around implants in the anterior mandible" (First Place Clinical Science, UAB Alumni Meeting Table Clinic)

2002	Maarten Boogaard and Roeland van der Laan, Exchange Students ACTA, Amsterdam, The Netherlands “The effect of antibiotic treatment on the healing of bone following guided tissue regeneration” “Periodontal Regeneration and Antibiotic Regimens as Assessed by Digital Subtraction Radiography”
2004	Henk van Diermen and Jos Biesheuvel, Exchange Students, ACTA, Amsterdam, The Netherlands “Crestal bone changes and the role of the microgap between implant and abutment: a retrospective radiographic evaluation”
2004	Marvin van der Linde and Navid Rezaei, Exchange Students, ACTA, Amsterdam, The Netherlands “
2005	Bahram Assad Zadeh, Exchange Student, ACTA, Amsterdam, The Netherlands
2011	Eduardo Montero, Exchange Student, Madrid Spain
2013	Vitor Medeiros, Exchange Student, Sao Paulo Brazil
2013	Lisa Vermeulen, Exchange Student, ACTA, Amsterdam, The Netherlands “Effect of intensive oral hygiene regimen during pregnancy on periodontal health, cytokine levels and pregnancy outcomes: a pilot study”
2018	Lauren Miele, Daniel Peterson UAB, Abutment Angle study

TEACHING EXPERIENCE

1993-present	Lectures in Periodontology
1993-present	Clinical teaching pre-doctoral Periodontology
1995-present	Lectures on dental implantology
1995-present	Clinical teaching post-graduate Periodontology
1996-2009	Coursemaster, Periodontology I and II
2001-2014	Coursemaster, Periodontology Clinic II
2001-2014	Coursemaster, Literature Review
2003-2009	Coursemaster, Clinical Case Conference in Periodontology
2003-2015	Coursemaster, Advanced Therapeutics in Periodontology
2003-2016	Coursemaster, Introduction to Surgical Implants

FUNDED RESEARCH

A Study to Evaluate Efficacy of the Sustain Implant.
Lifecore Biomedical 1992-2001
Role on Project: Co-Investigator

Periodontal Disease Activity Modeling.
NIH R29 DE09798 1993-1998
Role on Project: Co-Investigator

Bone Analysis Study
The Procter & Gamble Company 1993-2001
Role on Project: Co-Investigator

HA Implant Clinical Trial

Steri-Oss 1994-2001

Role on Project: Co-Investigator

Tissue Status in Relation to Bone Density and Osteoporosis

Women's Health Initiative 1995-2002

Role on Project: Co-Investigator

Efficacy of an Anti-inflammatory Oral Rinse for the Treatment of Periodontitis

The Procter & Gamble Company 1996-1999

Role on Project: Co-Investigator

UAB Rural Perinatal Center: Infection and Prematurity (Dental Supplement)

NIH PO1 HD33927 1996-2001

Role on Project: Co-Principal Investigator

Radiographic Analysis of Longitudinal Dental Implant Studies

Calcitek 1997-2000

Role on Project: Co-Investigator

Host Factors in Connective Tissue & Bone Loss

NIH P20 DE12370 1997-1998

Role on Project: Co-Investigator

Novel Topical Anesthetic for Periodontal Treatment

Astra USA 1997-1998

Role on Project: Principal Investigator

Novel Topical Anesthetic for Periodontal Treatment

Astra USA 1998-2001

Role on Project: Principal Investigator

Efficacy of PerioChip to Enhance Periodontal Regeneration

Astra USA 1998-1999

Role on Project: Co-Investigator

24-month, Double-blind Randomized Placebo-controlled Study to Determine the Effectiveness of MK-217 in Reducing Alveolar Bone Loss in Men and Women with Moderate or Severe Periodontal Disease in the Absence of Scaling and Root Planing

Merck Research 1998-2000

Role on Project: Co-Investigator

Hormone Therapy to Improve Oral Health in Postmenopausal Women

Wyeth Ayerst 1998-2000

Role on Project: Co-Investigator

Oral and Skeletal Bone Loss in Older Men (a MrOS Dental Ancillary Study)

NIH/NIDCR 2001-2006

Role on Project: Co-Principal Investigator

MOTOR: Maternal Oral Therapy to Reduce Obstetric Risk

NIH/NIDCR 2003-2008

Role on Project: Co-Investigator

The Efficacy of Gore Resolute Adapt LT Membranes for Use in Lateral Ridge Augmentation W.L. Gore & Assoc. 2003-2005

Role on Project: Principal Investigator

Radiographic Analysis for Safety and Effectiveness of GEM 21S

BioMimetics Pharmaceuticals, Inc. 2005

Role on Project: Co-Investigator

Qualification of Clinical Radiographic Analysis for Safety and Effectiveness of a Novel Bone Augmentation System

BioMimetics Pharmaceuticals, Inc. 2004-2006

Role on Project: Co-Investigator

A Study to Evaluate the Efficacy of the 3 mm Maximus Dental Implants in Areas of Limited Tooth-to-Tooth Spacing

BioHorizons 2004-2006

Role on Project: Co-Investigator

A 9-month, 3-arm multicenter clinical trial of treatment with Periocline Gel (2% minocycline HCL) for adjunctive use to scaling and root planing in adults with periodontal disease where Periocline Gel is compared to SRP and SRP with vehicle: Multicenter randomized trial using 3rd party outcome evaluation

Sunstar Butler 2005-2006

Role on Project: Co-Investigator

A prospective, randomized-controlled multicenter study of the Osseotite certain lateralized implant in short-span fixed bridge cases for preservation of crestal bone

3i 2005-2008

Role on Project: Co-Investigator

A study to evaluate the Morse Taper Lock and connection of the Ace implant internal-connection and it effect of the biological gap.

Ace 2005-2009

Role on Project: Co-Investigator

Evaluation of NobelDirect OD Implant

Nobel Biocare, 2004-2007

Role on Project: Co-Investigator

A study of oral health care education and therapy to reduce gingivitis during pregnancy.

Procter & Gamble 2007-2010

Role on Project: Principal Investigator

A prospective study of bone augmentation techniques in extraction sockets and implant surface textures.

BioHorizons, Inc. 2008-2013

Role on Project: Co-Investigator

A prospective, randomized-controlled evaluation of nanotite and osseotite surface implant performance in graduate student programs.

Biomet/3i 2007-2012

Role on Project: Principal Investigator

Diabetes and Periodontal Therapy Trial (DPTT)

NIH/NIDCR 2008-2013

Role on Project: UAB Co-Investigator

Diabetes and Periodontal Therapy Trial (DPTT)

NIH/NIDCR 2009-2010

Role on Project: UAB Co-Investigator

A prospective longitudinal study of growth factor enhanced socket conversion

Academy Osseointegration Foundation 2009-2010

Role on Project: Principal Investigator

Multi-center, Post-market, Prospective, Randomized, Examiner-Only-Masked Study of Root Coverage with Acellular Dermal Matrix: Puros Dermis versus AlloDerm

Zimmer Dental 2009-2011

Role on Project: Principal Investigator

Molecular Heparin Sulfate Delivery in Guided Tissue Regeneration

NIH/NIDCR 2009-2011

UAB Consultant

A Randomized, double-blind, controlled, multicenter dose verification clinical trial to evaluate the safety and effectiveness of Guidor growth factor enhanced graft substitute for the treatment of periodontal defects 6-months post-surgery (Radiographic Analysis)

Sunstar 2012-2014

Role on Project: Principal Investigator

A randomized controlled clinical trial to evaluate late-first to mid-second trimester introduction of advanced daily oral hygiene on pregnancy gingivitis and subsequent birth outcomes: Oral hygiene and maternity outcomes multi-center study (OHMOM)

Procter & Gamble 2011-2015
Role on Project: Co- Investigator

A randomized, controlled, multicenter, clinical study evaluating the outcomes of periodontal surgery in supra-alveolar-type defects with or without Straumann Emdogain
Straumann USA 2012-2014
Role on Project: Co-Investigator

A Randomized, double-blind, controlled, multicenter dose verification clinical trial to evaluate the safety and effectiveness of Guidor growth factor enhanced graft substitute for the treatment of periodontal defects 6-months post-surgery (Clinical trial)
Sunstar 2012-2014
Role on Project: Principal Investigator

Prospective Study for Bone Augmentation Techniques in Extraction Sockets
BioDlogics 2013-2015
Role on Project: Co-Investigator

A 5-year assessment of BioHorizons' dental implants: retrospective review of clinical and radiographic data
BioHorizons 2014-2017
Role on Project: Co-Investigator

A randomized, double-blind, placebo-controlled study to evaluate the safety, efficacy and treatment regimen of ST266 in subjects with moderate to severe periodontitis
Stemnion/Noveome 2016-2018
Role on Project: Principal Investigator

Survey of Oral Hygiene and Health of Mother and Child at a 1 to 4 year recall period
Procter & Gamble 2016-2017
Role on Project: Co-Investigator

A multicenter, phase III, prospective, randomized, active comparator study with a parallel group, paired patient study design comparing standard root planing versus a Periodontal Structure Repair device (PSR) to assist with the treatment of pockets caused by periodontal disease.
PerioVance 2018-2020
Role on Project: Principal Investigator

A randomized, double-blind, placebo-controlled, parallel-group, multi-center study to assess the efficacy, safety and tolerability, and pharmacokinetics of INS1007 administered once daily for 24 weeks in patient with non-cystic fibrosis bronchiectasis-The Willow Study
Insmed Inc. 2018-2020
Role on Project: Dental Consultant

Ga13 signaling attenuates periodontal inflammation and alveolar bone loss in the mouse model of age-associated periodontitis

RO1 DE028264 2018-2021

Role on Project: Investigator

Treat-to-target and personalized approach to periodontal therapy

R34 DE027410 2018-2019

Role on Project: Principal Investigator UAB site

A dental implant registry of treatment outcomes of implant therapy by practitioners in the National Dental Practice Based Research Network

1UG3DE030090-01 2021-2022 \$136,303 (Yr 1 total direct cost)

Role on Project: Principal Investigator

A dental implant registry of treatment outcomes of implant therapy by practitioners in the National Dental Practice Based Research Network

4UH3DE030090-02 2022-2026 \$ 1,599,775 (total direct cost)

Role on Project: Principal Investigator

BIBLIOGRAPHY

Manuscripts

1. Chaves ES, **Geurs NC**, Reddy MS, Jeffcoat MK. 1996. Clinical and radiographic imaging evaluation of bioabsorbable membranes in the treatment of periodontal bone defects. *Int J Periodontics Restorative Dent*. 16:443-453. PMID:9084317
2. Wang IC, Reddy MS, **Geurs NC**, Jeffcoat MK. 1996. Risk factors in dental implant failure. *J Long Term Eff Med Implants* 6(2):103-117. PMID:10172790
3. Reddy MS, Palcanis KG, **Geurs NC**. 1997. A comparison of manual and controlled-force attachment level measurements. *J Clin Perio* 24(12):920-926. PMID:942430
4. Becker BE, Becker W, Ricci A, **Geurs NC**. 1998. A prospective clinical trial of implants placed at the time of tooth extraction. *J Periodontol* 69:920-926.
5. **Geurs NC**, Wang I-C. 1999. Diagnostic tests for periodontal disease. *Indiana Dent Assoc* 78(1):30-35. PMID:10740491
6. Jeffcoat MK, Palcanis KG, Weatherford TW, Reese M, **Geurs NC**, Flashner M. 2000. Use of a biodegradable chlorhexidine chip in the treatment of adult periodontitis: Clinical and radiographic findings. *J Periodontol* 71:256-262. PMID:10711616
7. Reddy MS, **Geurs NC**, Jeffcoat RL, Proskin H, Jeffcoat MK. 2000. Periodontal Disease Progression. *J Periodontol*, 71:1583-1590. PMID:11063391
8. Jeffcoat MK, **Geurs NC**. 2000. Oral bone loss, osteoporosis and preterm birth: What do we tell our patients now? *Compendium*. 21(7):1-7.

9. Jeffcoat MK, **Geurs NC**, Reddy MS, Goldenberg R, Hauth J. 2001. Current evidence regarding periodontal disease as a risk factor in preterm birth. *Annals of Perio*, 6:183-188.
10. Jeffcoat MK, **Geurs NC**, Magnusson I, MacNeil SR, Mickels N, Roberts FA, Robinson P, Salamati A, Yukna R. 2001. Intrapocket Anesthesia for Scaling and Root Planing: Results of a Double Blind Multicenter Trial Using Lidocaine Prilocaine Dental Gel. *J Periodontol*. 72:895-900. PMID:11495138
11. **Geurs NC**, Wang I-C, Shulman LB, Jeffcoat MK. 2001. Retrospective radiographic analysis of sinus graft and implant placement procedures from the Academy of Osseointegration Consensus Conference on Sinus Grafts. *Int J Periodontics Restorative Dent* 21:517-523. PMID:11693244
12. Jeffcoat MK, **Geurs NC**, Reddy MS, Cliver SP, Goldenberg RL, Hauth JC. 2001. Periodontal infection and preterm birth. Results of a prospective study. *JADA* 132:875-880. PMID:11480640
13. **Geurs NC**, Reddy MS, Jeffcoat MK. 2001. Clinical evaluation of micro-textured, dense polytetrafluoroethylene (PTFE) membrane in interproximal defects. Technical Monograph, Osteogenics Biomedical, Inc.
14. Jeffcoat MK, **Geurs NC**, Reddy MS, Goldenberg RL, Hauth JC. 2001. Current evidence regarding periodontal disease as a risk factor in preterm birth. *Ann Periodontol* 6:183-188. PMID:11887462
15. **Geurs NC**, Jeffcoat RL, McGlumphy EG, Reddy MS, Jeffcoat MK. 2002. Influence of implant geometry and coating on progressive osseointegration. *Int J Oral Maxillofac Implants*. 17(6):811-815. PMID: 12507240
16. Reddy MS, **Geurs NC**, Wang I-C, Liu P-R, Hsu Y-T, Jeffcoat RL, Jeffcoat MK. 2002. Mandibular growth following implant restoration: Does Wolff's Law apply to residual ridge resorption? *Int J Periodontics Restorative Dent*. 22:315-321. PMID: 12212678
17. Reddy MS, Jeffcoat MK, **Geurs NC**, Palcanis KG, Weatherford TW, Traxler BM, Finkelman RD. 2003. Efficacy of controlled-release subgingival chlorhexidine to enhance periodontal regeneration. *J Periodontol*, 74:411-419. PMID: 12747444
18. Magnusson I, **Geurs NC**, Harris PA, Hefti AF, Mariotti AJ, Mauriello SM, Offenbacher S, Soler L. 2003. Intrapocket anesthesia for scaling and root planing in pain sensitive patients. *J Periodontol*, 74:597-602. PMID:12828139
19. **Geurs NC**, Lewis CE, Jeffcoat MK. 2003. Osteoporosis and Periodontitis. *Periodontology* 2000, 32:105-110. PMID:12756036

20. Jeffcoat MK, McGlumphy EA, Reddy MS, **Geurs NC**, Proskin HM. 2003. A comparison of hydroxyapatite (HA)-coated threaded, HA-coated cylindrical, and titanium threaded endosseous dental implants. *Int J Oral Maxillofacial Imp*, 18:406-410. PMID: 12814316
21. Jeffcoat MK, **Geurs NC**, Lewis CE. 2003. Osteoporosis and periodontal bone loss. *Clin Calcium*, 13(5):577-581. PMID:15775125
22. Jeffcoat MK, Hauth JC, **Geurs NC**, Reddy MS, Cliver SP, Hodgkins PM, Goldenberg RL. 2003. Periodontal disease and preterm birth: Results of a pilot intervention study. *J Periodontol*; 74:1214-1218. PMID: 14514236
23. Reddy MS, **Geurs NC**, Gunsolley JC. 2003. Periodontal host modulation with antiproteinase, anti-inflammatory and bone sparing agents. A systematic review. *Ann Periodontol*, 8:12-37. PMID: 14971246
24. **Geurs NC**. 2007. Osteoporosis and Periodontal Disease. *Perio 2000*, 44:29-43. PMID:17474924
25. Phipps KR, Chan BK, Madden TE, **Geurs NC**, Reddy MS, Lewis CE, Orwoll ES. 2007. Longitudinal study of bone density and periodontal disease in men. *J Dent Res*. 86: 1110-1114. PMID: 17959906
26. Chaddad K, Ferreira AFH, **Geurs N**, Reddy MS. 2008. Influence of surface characteristics on survival rates of mini-implants. *Angle Orthod* 78; 107-113. PMID: 18193961
27. Reddy MS, O'Neal SJ, Haigh S, Aponte-Wesson R, **Geurs NC**. 2008. Initial clinical efficacy of 3-mm implants immediately placed into function in conditions of limited spacing. *Int J Oral Maxillofac Implants* 23: 281-288. PMID: 18548925
28. Lee H-W, Reddy MS, **Geurs N**, Palcanis KG, Lemons JE, Rahemtulla FG, Ho K-J, Chen D-T, Davis CR, Feldman DS. 2008. Efficacy of platelet-rich plasma on wound healing in rabbits. *J Periodontol* 79: 691-696. PMID: 18380563
29. **Geurs NC**, Korostoff JM, Vassilopoulos PJ, Kang TH, Jeffcoat M, Kellar R, Reddy MS. 2008. Clinical and histologic assessment of lateral alveolar ridge augmentation using a synthetic long-term bioabsorbable membrane and an allograft. *J Periodontol* 79: 1133-1140. PMID: 18597594
30. Phipps KR, Chan BKS, Jennings-Holt M, **Geurs NC**, Reddy MS, Lewis CE, Orwoll ES. 2009. Periodontal Health of Older Men: The MrOS Dental Study. *Gerodontology* 26:122-129. PMID: 19490134
31. Trammell K, **Geurs NC**, O'Neal SJ, Liu P-R, Haigh SJ, McNeal S, Kenealy JN, Reddy MS. 2009. A prospective, randomized-controlled study of platform-switched versus

matched abutment implants in short-span partial denture cases. *Int J Periodontics Rest Dent*; 29: 599-605. PMID: 20072737

32. Offenbacher S, Beck JD, Jared HL, Mauriello SM, Mendoza LC, Couper DJ, Stewart DD, Murtha AP, Cochran DL, Dudley DD, Reddy MS, **Geurs NC**, Hauth JC. 2009. Effects of periodontal therapy on rate of preterm delivery: A randomized controlled trial. *Obstet Gynecol* 114: 551-559. PMC2917914
33. **Geurs NC**, Vassilopoulos PJ, Reddy MS. 2010. Soft tissue considerations in implant site development. *Oral Maxillofac Surg Clin North Am.* 22(3):387-405, vi-vii. doi: 10.1016/j.coms.2010.04.001.PMID: 20713270
34. **Geurs NC**, Vassilopoulos PJ, Reddy MS. 2010. Histologic evidence of connective tissue integration on laser microgrooved abutments in humans. *Clin Adv Periodont*, 1(1): 29-33.
35. Geisinger ML, Holmes CM, **Geurs NC**, Vassilopoulos PJ, Reddy MS. 2011. Host modulation for smokers undergoing periodontal maintenance: A review of current evidence. *Clin Adv Periodont*, 1(1): 54-60.
36. Reddy MS, Geisinger ML, Liu P-R, Holmes CM, Vassilopoulos PJ, **Geurs NC**. 2012. Intravenous bisphosphonates for osteoporosis and implant placement. *Clin Adv Periodont* 2(1): 42-47.
37. **Geurs NC**, Romanos AH, Vassilopoulos PJ, Reddy MS. 2012. Efficacy of micronized acellular dermal graft for use in interproximal papillae regeneration. *Int J Periodontics Restorative Dent.* 32(1):49-58. PMID:22254225
38. Geisinger ML, Holmes CM, Vassilopoulos PJ, **Geurs NC**, Reddy MS. 2012. Adjunctive Treatment of Chronic Periodontitis with Systemic Low-Dose Aspirin Therapy. *Clin Adv Periodontics*, 2(3): 195-199.
39. Geisinger ML, Holmes CM, Vassilopoulos PJ, **Geurs NC**, Reddy MS. 2013. Are Short Dental Implants Able to Demonstrate Predictable Success for Single Tooth Restorations? A Review of Current Evidence. *Clin Adv Periodontics* 3(4): 252-257.
40. Geisinger ML, Holmes CM, Vassilopoulos PJ, **Geurs NC**, Reddy MS. 2014. Is laser disinfection an effective adjunctive treatment to bone augmentation for periimplantitis? A review of current evidence. *Clin Adv Periodontics* 4:274-279. doi:10.1902/cap.2013.130048.
41. Geisinger ML, Robinson M, Kaur M, Gerlach RW, Griffin R, **Geurs NC**, Reddy MS. 2013. Individualized oral health education improves oral hygiene compliance and clinical outcomes in pregnant women with gingivitis. *J Oral Hyg Health* 1(2): 111.
42. Geisinger ML, **Geurs NC**, Bain JL, Kaur M, Vassilopoulos PJ, Cliver SP, Hauth JC, Reddy MS. 2014. Oral Health Education and Therapy Reduces Gingivitis During

Pregnancy. *J Clin Periodontol* 41(2): 141-148. doi:10.1111/jcpe.12188. PMID: 24164645.

43. Romanos AH, **Geurs NC**, Abou-Arraj RV. 2013. Pedicle Connective Tissue Graft With Novel Palatal Tunneling. *Clin Adv Periodontics* 3:191-198.
44. Vassilopoulos PJ, **Geurs NC**, Geisinger ML. 2013. Parameters that influence the position of the facial gingival margin on maxillary anterior teeth. *Seminars in Orthodontics* 19(1), 37-48, doi:10.1053/j.sodo.2012.10.005.
45. Engebretson S, Gelato M, Hyman L, Michalowicz BS, Schoenfeld E, DPTT study group. 2013. Design features of the Diabetes and Periodontal Therapy Trial (DPTT): a multicenter randomized single-masked clinical trial testing the effect of nonsurgical periodontal therapy on glycosylated hemoglobin (HbA1c) levels in subjects with type 2 diabetes and chronic periodontitis. *Contemp Clin Trials* 36(2):515-526. PMC:3885354
46. Beaudry KA, **Geurs NC**, Lemons JE, Reddy MS. 2013. Bone formation under the elevated sinus membrane using venous coagulum. *Clin Adv Periodontics* 3(4): 200-207.
47. **Geurs N**, Ntounis A, Vassilopoulos P, Van der Velden U, Loos BG, Reddy M. 2014. Using growth factors in human extraction sockets: A histologic and histomorphometric evaluation of short-term healing. *Int J Oral Maxillofac Implants*. 29:485-496. doi:10.11607/jomi.3408. PMID: 24683578
48. Kaur M, Geisinger ML, **Geurs NC**, Griffin R, Vassilopoulos PJ, Vermeulen L, Haigh S, Reddy MS. 2014. Effect of intensive oral hygiene regimen during pregnancy on periodontal health, cytokine levels and pregnancy outcomes: A pilot study. *J Periodontol* 85(12): 1684-1692. doi: 10.1902/jop.2014.140248. PMC:4372244
49. Wang HL, Romanos GE, **Geurs NC**, Sullivan A, Suarez-Lopez Del Amo F, Eber RM. 2014. Comparison of two differently processed acellular dermal matrix products for root coverage procedures: a prospective, randomized multicenter study. *J Periodontol* 85(12): 1693-1701. doi: 10.1902/jop.2014.140198. PMID: 24965060.
50. Geisinger ML, Holmes CM, **Geurs NC**, Reddy MS. 2015. Does ridge preservation at the time of tooth extraction improve soft tissue volume and/or implant esthetics? A review of current evidence. *Clin Adv Periodontics* 5:208-215. doi: 10.1902/cap.2014.140007
51. Ntounis A, **Geurs N**, Vassilopoulos P, Reddy M. 2015. Clinical assessment of bone quality of human extraction sockets after conversion with growth factors. *Int J Oral Maxillofac Implants* 30(1):196-201. doi:10.11607/jomi.3518). PMID: 25265123.

52. **Geurs N**, Iacono V, Krayner J, Mealey B, Paquette D, Pearson B, Rosen P, Sabatini R, Schweinebraten M. 2015. American Academy of Periodontology Task Force Report on the Update to the 1999 Classification of Periodontal Diseases and Conditions. *J Periodontol* 86(7):835-838.
53. Geisinger ML, Holmes CM, **Geurs NC**, Reddy MS. 2015. Does nonsurgical periodontal therapy in overweight and obesity result in a change in body mass index? A review of current evidence. *Clin Adv Periodontics* 5:146-150. doi/pdf/10.1902/cap.2013.130063.
54. Abou-Arraj RV, Majzoub ZAK, Holmes CM, Geisinger ML, **Geurs NC**. 2015. Healing time for final restorative therapy after surgical crown lengthening procedures: A review of related evidence. *Clin Adv Periodontics* 5:131-139. doi: 10.1902/cap.2014.140014.
55. Geisinger ML, Abou-Arraj RV, Souccar NM, Holmes CM, **Geurs NC**. 2014. Decision Making in the Treatment of Patients with Malocclusion and Chronic Periodontitis: Scientific Evidence and Clinical Experience. *Seminars in Orthodontics* 20(3):170-176.
56. Geisinger ML, Trammell K, Holmes CM, Kaur M, **Geurs NC**. 2016. Does adjunctive use of growth factors improve clinical outcomes of soft tissue grafting at Miller Class III recession defects? A review of current evidence. *Clin Adv Periodontics* 6(2):99-103. doi: 10.1902/cap.2015.150048
57. Cochran DL, Oh T-J, Mills MP, Clem DS, McClain PK, Schallhorn RA, McGuire MK, Scheyer ET, Giannobile WV, Reddy MS, Abou Arraj RV, Vassilopoulos PJ, Genco RG, **Geurs NC**, Takemura A. 2016. A randomized clinical trial evaluating rh-FGF-2/ β -TCP in Periodontal Defects. *J Dent Res*. 95(5):523-530. doi: 10.1177/00223034516632497 PMID: 26908630
58. **Geurs NC**, Geisinger ML, Vassilopoulos PJ, O'Neal SJ, Haigh SJ, Reddy MS. 2016. Optimizing connective tissue integration on laser-ablated implant abutments. *Clin Adv Periodontics*. 6(3):153-159. doi: 10.1902/cap.2016.150068
59. Garner EM, Hardy SL, Holmes CM, Abou Arraj R, **Geurs NC**, Geisinger ML. 2016. Decision making in the treatment of patients with rheumatoid arthritis and periodontitis: Scientific evidence and clinical experience. *Clin Adv Periodontics*. 6(4):208-214. doi: 10.1902/cap.2016.160021
60. Geisinger ML, **Geurs NC**, Ogdon D, Reddy MS. 2017 Targeting underlying biologic mechanisms in selecting adjunctive therapies to improve periodontal treatment in smokers: A Commentary. *J Periodontol*. 88:703-710. doi:10.1902/jop.2017.170098
61. Abou-Arraj RV, Kaur M, Vassilopoulos PJ, **Geurs NC**. 2017 Creation of a Zone of Immobile Connective Tissue with Acellular Dermal Matrix Allografts. *Int J Periodontics*

Restorative Dent. Jul/Aug;37(4):571-579. doi: 10.11607/prd.2952. PubMed PMID: 28609505.

62. Jepsen S, Caton JG, Albandar JM, Bissada NF, Bouchard P, Cortellini P, Demirel K, de Sanctis M, Ercoli C, Fan J, **Geurs NC**, Hughes FJ, Jin L, Kantarci A, Lalla E, Madianos PN, Matthews D, McGuire MK, Mills MP, Preshaw PM, Reynolds MA, Sculean A, Susin C, West NX, Yamazaki K. 2018 Periodontal manifestations of systemic diseases and developmental and acquired conditions: Consensus report of workgroup 3 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. *J Periodontol.* 89:Suppl 1:S237-S248. doi: 10.1002/JPER.17-0733.PMID: 29926943
63. Jepsen S, Caton JG, Albandar JM, Bissada NF, Bouchard P, Cortellini P, Demirel K, de Sanctis M, Ercoli C, Fan J, **Geurs NC**, Hughes FJ, Jin L, Kantarci A, Lalla E, Madianos PN, Matthews D, McGuire MK, Mills MP, Preshaw PM, Reynolds MA, Sculean A, Susin C, West NX, Yamazaki K. 2018 Periodontal manifestations of systemic diseases and developmental and acquired conditions: Consensus report of workgroup 3 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. *J Clin Periodontol.* 45:Suppl 20:S219-S229. doi: 10.1111/jcpe.12951. PMID: 29926500
64. Geisinger ML, Morris AB, Kaur M, Hardy SL, Abou Arraj RV, **Geurs NC**, Reddy MS. 2018. Glycemic control among patients with physician-managed type 2 diabetes. *Gen Dent* 66(5):52-55. PMID 30188857
65. Neumeier T, Reddy M, Neumeier H, **Geurs N**, Hill J. 2018. 3 year study of dental implant in HIV positive patients. *Clin Oral Implants Res* 29(17):359-359. doi:10.1111/clr.244_13358
66. Geisinger ML, Ogdon DC, Kaur M, Valiquette G, **Geurs N**, Reddy MS. 2019 Toss the Floss? Evidence Based Oral Hygiene Recommendations for the Periodontal Patient in the Age of “Flossgate”. *Clin Adv Periodontics.* 9(2):83-90. PMID: 31498572
67. Randall EF, Abou-Arraj RV, **Geurs NC**, Griffin R, Reddy M, Geisinger ML. 2019. The effect of dental implant collar design on crestal bone loss at 1 year after implant placement. *Int J Periodontics Restorative Dent.* 39(2):165-173. PMID 30794252
68. Geisinger ML, Calvert Grosso K, Kaur M, Abou Arraj RV, Basma H, Ogdon D, **Geurs NC**. 2020 Clinical Decision Making for Primary Peri-Implantitis Prevention: Practical Applications. *Clin Adv Periodontics.* doi:10.1002/cap. 10115 PMID: 32702205
69. Kaur M, Abou-Arraj RV, Lin CP, Geisinger ML, **Geurs NC**. 2021. A 5-year retrospective analysis of biologic and prosthetic complications associated with single-tooth endosseous dental Implants: practical applications. *Clin Adv Periodontics* (Epub ahead of print). PMID: 33829671

70. Abou-Arraj RV, Kaur M, Alkhoury S, Swain T, **Geurs NC**, Souccar NM. 2021. The new periodontal disease classification: Level of agreement on diagnoses and treatment planning at various dental education levels. *J Dent Educ* May 5. doi: 10.1002/jdd.12636. (online ahead of print.) PMID: 33955000
71. Pizzini A, Basma H, Li P, **Geurs NC**, Abou-Arraj RV. 2021. The impact of anatomic, patient, and surgical factors on membrane perforation during lateral wall sinus floor elevation. *Clin Oral Implants Res*. Dec 13. doi: 10.1111/clr.13698. PMID: 33314302
72. Kaur M, **Geurs NC**, Cobb CM, Otomo-Corgel J, Takesh T, Lee JH, Lam TM, Lin K, Nguyen A, Nguyen BL, Wilder-Smith P. 2021. Evaluating efficacy of a novel dentifrice in reducing probing depths in stage I and II periodontitis maintenance patients: a randomized, double-blind, positive controlled clinical trial. *J Periodontol*. doi: 10.1002/JPER.20-0721 (online ahead of print) PMID: 33331040
73. Neumeier TT, Reddy M, **Geurs N**, Hill J, Neumeier H. 2022. Longitudinal study of dental implants in HIV-positive patients. *J Prosthodont*. 31(2):115-120. PMID: 34496113
74. Souccar NM, Oueis R, Mussleman JP Jr, **Geurs NC**, Abou-Arraj RV. 2022. The Impact of Orthodontic Retainers on Gingival Recessions: A Best-Evidence Review. *Compend Contin Educ Dent* 43(3):E1-E4. PMID: 35377673
75. Basma HS, **Geurs NC**, Geisinger ML. 2022. Choosing the Ideal Implant-Supported Prosthesis for an Edentulous Maxilla: Three Key Prosthetic Parameters. *Compend Contin Educ Dent*. 43(3):148-153. PMID: 35272459
76. Yang I, Claussen H, Arthur RA, Hertzberg VS, **Geurs N**, Corwin EJ, Dunlop AL. 2022. Subgingival Microbiome in Pregnancy and a Potential Relationship to Early Term Birth. *Front Cell Infect Microbiol*. 11;12:873683. doi: 10.3389/fcimb.2022.873683. PMID: 35646730
77. Basma HS, Saleh MHA, Arraj RVA, Imbrogno M, Ravida A, Wang HL, Li P, **Geurs N**. 2022. Patient Reported Outcomes of Palatal Donor Site Healing Using Four Different Wound Dressings Modalities Following Free Epithelialized Mucosal Grafts: A Four-Arm Randomized Controlled Clinical Trial. *J Periodontol*. doi: 10.1002/JPER.22-0172. Online ahead of print. PMID: 35754198
78. Geisinger ML, Howard JH, Abou Arraj RV, Kaur M, Basma H, Geurs NC. A prospective, randomized controlled pilot study comparing vestibular incision with sulcular tunnel for root coverage. *Int J Periodont Rest Dent* 2022; 42(4):e91-e102. PMID:35830313
79. Ioannidou E, Geurs N, Lipman R, Araujo MWB, Elkareh J, Engebretson S, Eber R, Oates T, Diaz P, Spino C. Antibiotic prescription patterns among US general dentists and periodontists. *J Am Dent Assoc*. 2022 Oct;153(10):979-988. doi: 10.1016/j.adaj.2022.06.013. Epub 2022 Aug 26. PMID: 36038399.

80. Stoll ML, Wang J, Kau CH, Pierce MK, Morrow CD, Geurs NC. Pro-Inflammatory Oral Microbiota in Juvenile Spondyloarthritis: A Pilot Study. *Children (Basel)*. 2022 Nov 17;9(11):1764. doi: 10.3390/children9111764. PMID: 36421212; PMCID: PMC9688681.
81. Basma HS, Saleh MHA, Geurs NC, Li P, Ravidà A, Wang HL, Abou-Arraj RV. The effect of bone particle size on the histomorphometric and clinical outcomes following lateral ridge augmentation procedures: A randomized double-blinded controlled trial. *J Periodontol*. 2023 Feb;94(2):163-173. doi: 10.1002/JPER.22-0212. Epub 2022 Nov 17. PMID: 35959712.
82. Geisinger ML, Martin KL, Alison JP, Martin KD, Robinson M, Geurs NC. Waistline to gumline: a retrospective analysis of body mass index in treated periodontitis patients undergoing periodontal maintenance therapy. *Gen Dent*. 2022 Nov-Dec;70(6):52-58. PMID: 36288076.
83. Geisinger ML, Kaur M, Abou Arraj RV, Basma H, Geurs NC. Clinical applications of mucogingival therapies utilizing adjunctive autologous blood products. *Clin Adv Periodontics*. 2022 Dec;12(4):233-240. doi: 10.1002/cap.10227. Epub 2022 Oct 25. PMID: 36134542.
84. Geurs NC, Jeffcoat MK, Tanna N, Geisinger ML, Parry S, Biggio J, Doyle MJ, Grender JM, Gerlach RW, Reddy MS. A Randomized Controlled Clinical Trial of Prenatal Oral Hygiene Education in Pregnancy-Associated Gingivitis, accepted to the *Journal of Midwifery & Women's Health*

Book Chapter:

Geurs NC: Quantitative analysis in dental radiography for implant dentistry. University of Alabama at Birmingham. Thesis, 1995

Geurs NC, Vassilopoulos PJ, Reddy MS. 2010. Soft Tissue Considerations in Implant Site Preparation. In: *Oral and Maxillofacial Surgery Clinics of North America*. Waite, PD. Ed. Elsevier, Maryland. 22:387-405.

Abstracts and papers:

1. Reddy MS, Duckett AR, **Geurs NC**, Jeffcoat MJ: Direct digital radiography for measurement of alveolar bone loss. *J. Dent. Res.* 71;68, 1992
2. **Geurs NC**, Chaves ES, Reddy MS, Jeffcoat MK: Comparison of healing of osseous defects with and without bioabsorbable membranes. *J. Dent. Res.*74;683, 1995
3. Reddy MS, Palcanis K, **Geurs NC**: Comparison of manual and controlled force periodontal probing. *J. Dent. Res.*74;1302, 1995
4. Fullenwider UD, Reddy MS, **Geurs NC**, Jeffcoat MK: Subject retention in a long-term periodontitis study. *J. Dent. Res.*75;566 1996

5. **Geurs NC**, Jeffcoat MK: Peri-implant bone loss measurement using conventional tomography: in vitro validation. *J. Dent. Res.*75; 1050, 1996
6. Reddy MS, Jeffcoat MK, **Geurs NC**, Fullenwider UD, Jeffcoat R: Initial attachment level changes in clinical studies. *J. Dent. Res.*75;1550 1996.
7. Jeffcoat MK, Reddy MS, Wang I-C, **Geurs NC**: Selecting a dental implant: special considerations for poor bone quality. *Guide to Implant Research.* 12; 1-4, 1996.
8. **Geurs NC**, Reddy MS, Wang I-C, Jeffcoat MK: Gingival inflammation related to dental implants and keratinized gingiva. *J Dent Res.* 76;582, 1997.
9. Wang I-C, **Geurs NC**, Reddy MS, Jeffcoat MK: Effect of plaque and time on bone supporting dental implants. *J Dent Res.* 76;1505, 1997.
10. Reddy MS, Jeffcoat MK, **Geurs NC**, Jeffcoat RL: Attachment loss in adult periodontitis. *J Dent Res.* 76;3015, 1997.
11. **Geurs NC**, Wang I-C, Shulman L, Jeffcoat MK: Retrospective radiographic analysis of sinus grafts over a three year period. *J Dent Res* 77; 1251, 1998.
12. Matsuda Y, **Geurs NC**, Okano T, Jeffcoat MK: Radiographic evaluation in allografts in treatment of periodontal defects. *J Dent Res* 77; 1466, 1998.
13. Reddy MS, **Geurs NC**, Jeffcoat RL, Jeffcoat MK: Are clinical measurements indicative of progressive attachment loss? *J Dent Res* 77; 2322, 1998.
14. Matsuda Y, **Geurs NC**, Reddy MS, Okano T, Jeffcoat MK: Relationship of bone loss to clinical measurements of defect depth. *J Dent Res* 77; 2896, 1998.
15. Reddy MS, Proskin R, Jeffcoat R, **Geurs NC**, and Jeffcoat MK. Clinical indicators of periodontal disease progression: a discriminant analysis. *J Dent Res* 78; 104, 1999
16. Ramp LC, **Geurs NC**, Ramp MH, and Jeffcoat RL. Performance of computer speech recognition for clinical data recording. *J Dent Res* 78; 2362, 1999
17. Haigh S, **Geurs NC**, Reddy MS, Fullenwider U, Liu P, Jeffcoat MK. Ability of implant restored patients to maintain gingival health. *J Dent Res* 78; 2460, 1999
18. **Geurs NC**, Wang I-C, Shulman L, Jeffcoat MK: Retrospective analysis of crestal bone loss around implants in sinusgrafts. *J Dent Res* 78; 2766, 1999
19. Jeffcoat MK, **Geurs N**, Magnusson I, McNeill S, Mickels N, Roberts F, Robinson P, Salamati A, Yukna R: Intrapocket anesthesia for scaling and root planing: results of a

- double-blind multicenter trial using lidocaine prilocaine dental gel. *J Dent Res* 79:2277, 2000.
20. **Geurs NC**, Bounelis P, Rahemtulla F, Marchase RB: Hyperglycemia and leptin polymorphism in periodontitis in rat models. *J Dent Res* 79:2984, 2000.
 21. Jeffcoat MK, Palcanis KG, Weatherford TW, Reese M, **Geurs NC**, Flashner M: Use of a biodegradable chlorhexidine chip in the treatment of adult periodontitis: clinical and radiographic findings. *J Periodontol* 71:256-262, 2000.
 22. Reddy M, Jeffcoat R, **Geurs N**, Jeffcoat M: A nonlinear progression model of adult periodontitis. *J Dent Res* 79:3486, 2000.
 23. Jeffcoat RL, McGlumphy EA, **Geurs NC**, Reddy MS, Jeffcoat MK: Influence of hydroxyapatite implant coatings on periosteal mobility over time. *J Dent Res* 79:3671, 2000.
 24. **Geurs NC**, Bounelis P, Rahemtulla F, Marchase RB: Periodontitis in leptin receptor deficient rats. *J Clin Perio* 27:246, supplement 1, 2000.
 25. Jeffcoat MK, Reddy MS, **Geurs NC**, Palcanis KG, Weatherford TW, Finkelman RD: Efficacy of controlled-release subgingival chlorhexidine administration to enhance periodontal regeneration. *J Dent Res* 80:841, 2001.
 26. Jeffcoat MK, **Geurs NC**, Reddy MS, Cliver S, Goldenberg R, Hauth J: Periodontal infection and preterm birth: Results of a prospective study. *J Dent Res* 80:1222, 2001.
 27. **Geurs NC**, Reddy MS, Cliver S, Goldenberg R, Hauth J, Jeffcoat MK: Periodontal health disparities in pregnant women in a rural population. *J Dent Res* 80:417, 2001.
 28. Reddy MS, Jeffcoat MK, **Geurs NC**, Wang I-C, Liu PR: Implant restoration influence on residual ridge resorption. *J Dent Res* 80:2034, 2001.
 29. Faler RL, Haigh SJ, **Geurs NC**, Rodger WJ, Reddy MS, Jeffcoat MK: Periodontitis and cardiovascular disease in women. *J Dent Res* 80:2068, 2001.
 30. Jeffcoat MK, McGlumphy EA, Reddy MS, **Geurs NC**, Proskin HM: Success of hydroxyapatite vs. titanium implants: 5 year results. *J Dent Res* 81: 0074, 2002.
 31. **Geurs NC**, Wang I-C, Johnson CB, Reddy MS, Jeffcoat MK: Keratinized gingival and soft tissue position around implants in the anterior mandible. *J Dent Res* 81:0077, 2002.
 32. Reddy MS, Chen MH, Davis KT, **Geurs NC**, Buchanan W, Jeffcoat MK, Cavanaugh PF: Genetic influence on alveolar bone loss progression. *J Dent Res* 81:2267, 2002.

33. Magnusson I, Cook R, **Geurs NC**, Hefti AF, Mariotti A, Mauriello S, Offenbacher S, Soler L: Intrapocket anesthesia for scaling and root planing in pain sensitive patients. *J Dent Res* 81:3004, 2002.
34. Jeffcoat M, Hauth J, **Geurs N**, Reddy M, Cliver S, Goldenberg R: Periodontal disease and preterm birth: Results of an intervention study. *Am J Obstet Gynecol* (Abstract #62) 187:S79, 2002
35. Jeffcoat MK, Haigh SJ, **Geurs NC**, Reddy MS: Hormone replacement therapy and alveolar bone height. *J Dent Res* 82:1444, 2003.
36. Jeffcoat MK, Hauth JC, **Geurs NC**, Reddy MS, Cliver SP, Goldenberg RL: Periodontal disease and pre-term birth: Results of a pilot intervention study. *J Dent Res* 82:1446, 2003.
37. **Geurs NC**, Vassilopoulos PJ, Reddy MS: Carotid calcifications on panoramic radiographs and periodontal disease. *J Dent Res* 83:1103, 2004.
39. Reddy MS, Romanos AH, **Geurs NC**. Micronized acellular dermal graft for interproximal papilla regeneration. *J Dent Res* 84:0220, 2005.
40. Mehaffey EB, Catlin A, Jeffcoat RL, Reddy MS, **Geurs NC**. Validation of direct digital radiography for subtraction radiography. *J Dent Res* 84:0710, 2005.
41. **Geurs NC**, Haigh S, Korostoff JM, Reddy MS. Histological and clinical evaluation of ridge augmentations with resorbable membranes. *J Dent Res* 84:0853, 2005.
42. Coelho PG, **Geurs NC**, Freire JNO, Coelho AL, Speratti D. Gingival tissue health around locking-taper implant-abutment connections. *J Dent Res* 84:0881, 2005.
42. Pittman DM, **Geurs NC**, Reddy MS. Orthodontic implant placement system. *J Dent Res* 84:2094, 2005.
43. Phipps KR, Chan BKS, Madden T, **Geurs NC**, Orwoll ES. Clinical periodontal status and bone mineral density in older men. *J Dent Res* 85:54, 2006.
44. **Geurs NC**, Korostoff JM, Kang T-H, Kellar RS, Reddy MS. Guided bone regeneration using synthetic resorbable membranes: Histological findings. *J Dent Res* 85:189, 2006.
45. Reddy MS, Korostoff JM, Kang T-H, Kellar RS, **Geurs NC**. Guided bone regeneration using synthetic resorbable membranes: Clinical findings. *J Dent Res* 85:2031, 2006.
46. Reddy MS, Korostoff JM, Kang T-H, Kellar RS, **Geurs NC**. Exposure of Synthetic Resorbable Membranes for GBR: Histological Findings. *J Dent Res* 86:0924, 2006

47. **Geurs NC**, Korostoff JM, Kang T-H, Kellar RS, Reddy MS. Exposure of Synthetic Resorbable Membranes for GBR: Clinical Findings. *J Dent Res* 86:0923, 2006
48. O'Neal SJ, Haigh S, Aponte-Wesson R, **Geurs NC**, Reddy MS. Soft Tissue and Bony Healing of 3 mm Implants. *J Dent Res* 86:0557, 2006
49. Haigh S, Reese M, Litaker MS, **Geurs NC**, Reddy MS. Intra-Rater Agreement for Radiographic Repeatability in Multi-Center Regeneration Study. *J Dent Res* 86:1701, 2006
50. **Geurs NC**. Osteoporosis and periodontal disease. *Perio* 2000 44:29-44, 2007.
51. Elliott AS, **Geurs NC**, McNeal SF, Vassilopoulos PJ, Jeffcoat MK, Haigh SJ, Reddy MS. 10-year Radiographic evaluation of hydroxyapatite (HA)-coated and titanium threaded implants. *J Dent Res* 87:1049, 2007.
52. Smith KD, **Geurs NC**, McNeal SF, Litaker MS, Phipps KR, Madden T, Lewis CL, Orwoll ES, Reddy MS. Patterns of tooth loss in older men. *J Dent Res* 87:1847, 2007.
53. Phipps K, Chan BK, Orwoll ES, Madden T, Reddy MS, **Geurs NC**. Relationship between mandibular and systemic bone density in older men. *J Dent Res* 86:1404, 2007.
54. **Geurs NC**, Phipps K, Madden T, McNeal SF, Litaker MS, Lewis CE, Orwoll ES, Reddy MS. Relationship between tooth loss and systemic health in older men. *J Dent Res* 86:2318, 2007.
55. Trammell KH, Reddy MS, **Geurs NC**, O'Neal SJ, Liu P-R., Hsu YT, McNeal SF. A prospective, randomized study of medialized vs conventional implant abutments. *J Dent Res* 88:186, 2009.
56. Reddy M, Geisinger M, **Geurs N**, McNeal S, Lewis C, Phipps KR, Orwoll E. Baseline periodontal disease severity predicts disease severity at 4.5 years. *J Dent Res* 88:365, 2009.
57. Geisinger M, Reddy M, **Geurs N**, McNeal S, Lewis C, Phipps KR, Orwoll E. Systemic hypertension and site-specific tooth loss in older males. *J Dent Res* 88:633, 2009.
58. Rajanna R, **Geurs N**, Vassilopoulos P, McNeal S, Reddy M. Digital image analysis of soft tissue wound healing. *J Dent Res* 88:1353, 2009.
59. Kaur M, Haigh SJ, Geisinger M, McNeal S, **Geurs N**, Reddy M. Oral health education and therapy to reduce gingivitis during pregnancy. *J Dent Res* 88:3506, 2009.
60. Rajanna R, Geisinger M, McNeal S, Vassilopoulos P, **Geurs N**, Reddy M. Quantifying the soft tissue wound healing response to tooth extraction. *J Dent Res* 89:950, 2010.

61. Vassilopoulos P, Livada R, **Geurs NC**, Geisinger ML, Reddy MS. Accuracy of various assessments of bone density at implant sites. *J Dent Res* 89:3586, 2010.
62. **Geurs NC**, Kaur M, Vassilopoulos P, Geisinger ML, Reddy MS. Histomorphometric analysis of wound healing of extraction sockets with rhPDGF. *J Dent Res* 89:4203, 2010.
63. Geisinger ML, Kaur M, **Geurs NC**, Vassilopoulos P, Reddy MS. Bone grafting after tooth extraction facilitates implant placement. *J Dent Res* 89:3773, 2010.
64. Bain JL, Kaur M, Geisinger ML, **Geurs NC**, Reddy MS. Oral health education and therapy reduce periodontal inflammation during pregnancy. *J Dent Res* 89:2755, 2010.
65. Beck J, Cochran D, Reddy M, **Geurs N**, Offenbacher S. Periodontal treatment with anesthesia and risk for preterm birth. *J Dent Res* 89: 265, 2010
66. Rajanna R, Geisinger ML, McNeal S, Vassilopoulos P, **Geurs NC**, Reddy MS. Soft tissue healing at extraction sockets differs by graft materials. *J Dent Res* 89:4377, 2010.
67. Litaker M, Kaur M, Geisinger ML, **Geurs NC**, Reddy MS. Performance of two partial recording protocols for periodontal measures. *J Dent Res* 89:4859, 2010.
68. Reddy MS, Geisinger ML, Kaur M, Bain JL, **Geurs NC**. Preterm birth rates in pregnant women with gingivitis after therapy. *J Dent Res* 89:264, 2010.
69. Browning M, **Geurs NC**, Geisinger ML, Vassilopoulos PJ, Litaker MS, Reddy M. Bone healing after extraction with bone grafts. *J Dent Res* 90:2172, 2011.
70. Bain JL, Kaur M, Geisinger ML, **Geurs NC**, Reddy MS. Effects of reducing periodontal inflammation on serum cytokines in pregnancy. *J Dent Res* 90:1457, 2011.
71. Vassilopoulos PJ, Nguyen MA, Reddy MS, Geisinger ML, **Geurs NC**. Effect of growth factors on implant exposure and bone loss. *J Dent Res* 92:194, 2013.
72. Abou-Arraj RV, Geisinger ML, Vassilopoulos PJ, Reddy M, **Geurs NC**. Gingival Biotype enhancement with acellular dermal matrix allografts. *J Dent Res* 92:915, 2013.
73. Kaur M, Bain JL, Geisinger M, **Geurs N**, Reddy M. Gingival inflammation reduction alters GCF cytokine levels in pregnancy gingivitis. *J Dent Res* 92:1433, 2013.
74. Geisinger ML, Robinson MA, Kaur M, Litaker MS, **Geurs NC**, Reddy MS. Individualized education improves clinical outcomes of pregnancy gingivitis. *J Dent Res* 92:2497, 2013.
75. **Geurs NC**, O'Neal SJ, Reddy MS. Plaque, mucosal health and probing depth around laser ablated abutments. *J Dent Res* 92:2813, 2013.

76. Garner E, **Geurs NC**, Geisinger ML. Periodontal inflamed surface area is correlated to Rheumatoid Arthritis symptoms. *J Dent Res* 93:1269, 2014.
77. Singh J, Kaur M, Hardy SL, Reddy MS, **Geurs NC**, Geisinger ML. Radiographic Analysis Evaluating Implant Surface Topography and Linear Bone Loss. *J Dent Res* 94:4018, 2015.
78. Metzger L, Kaur M, **Geurs N**, Geisinger M. Patients with Diabetes Mellitus Have Higher Rates of Peri-implantitis. *J Dent Res* 94:4394, 2015.
79. Geisinger ML, Kaur M, Hardy S, Gerlach RW, **Geurs NC**, Reddy M. 2016. Baseline employment status correlates with oral health knowledge and practices. *J Dent Res* 95: 539, 2016.
80. Reddy M, **Geurs NC**, Geisinger ML, Kaur M, Biggio J, Jeffcoat M, Tanna N, Parry S, Doyle MJ, Grender JM, Gerlach RW. Gingivitis during the first/second trimesters of pregnancy. *J Dent Res*. 95:213, 2016.
81. Jeffcoat M, Tanna N, Parry S, Reddy M, Geisinger ML, **Geurs NC**, Biggio J, Grender JM, Doyle MJ, Gerlach RW. Oral hygiene regimen reduces clinical pregnancy gingivitis in multicenter RCT. *J Dent Res*. 95:903, 2016.
82. Geisinger M, Shi M, **Geurs N**, Kaur M, Gerlach R, Grender J, Reddy M. Periodontal inflamed surface area changes in women with pregnancy gingivitis. *J Dent Res* 96:2203, 2017.
83. Morris A, Geisinger M, Kaur M, Hardy S, Abou-Arraj R, **Geurs N**, Reddy M. Glycemic Control in Physician-managed Patients with T2DM and Periodontal Disease. *J Dent Res*. 97:395, 2018.
84. Kaur M, Sharma P, **Geurs N**, Abou-Arraj R, Geisinger M, Hardy S, Guzman L, Reddy M. Growth Factors in Grafting Extraction Sockets: Soft, Hard Tissue Healing. *J Dent Res*. 97:765, 2018.
85. Geisinger ML, Hardy SL, **Geurs NC**, Reddy MS, Grender JM, Winston JL. Oral hygiene intervention in pregnancy may reduce caries in offspring. *J Dent Res*. 98:2891, 2018.
86. Reddy MS, Hardy SL, **Geurs NC**, Grender JM, Winston JL, Geisinger ML. Long-term hygiene practices and knowledge improvements after interventions during pregnancy. *J Dent Res*. 98:3170, 2018.
87. Abou-Arraj RV, Hsu J, Kaur M, Geisinger ML, Hardy SL, Li P, **Geurs NC**. A Randomized Clinical Trial to Compare Free Gingival Grafts and Connective Tissue Grafts Around Implants Lacking Keratinized Mucosa, Oral Presentation, 9th Congress of the European Federation of Periodontology, Amsterdam, The Netherlands, 2018

88. Basma H, **Geurs NC**, Hardy SL, Li P, Abou-Arraj RV. A Histological and Clinical Study on the Effect of Allograft Bone Particle Size Following Ridge Augmentation Procedures. Osteology Foundation, International Osteology Symposia, Research Forum Poster Session, Barcelona, Spain 2019
89. Allison JP, Martin K, **Geurs NC**, Geisinger ML. Waistline to gumline: Body mass index (BMI) in treated periodontitis patients. UAB SOD Scholars' Day 3rd Place Predoctoral Clinical Research. 2020
90. Pizzini A, Basma H, Geurs NC, Abou-Arraj RV. The influence of maxillary sinus anatomy on Schneiderian membrane perforation during lateral wall sinus augmentation: a 5-year retrospective study. UAB SOD Scholars' Day 2nd Place. 2020
91. Robinson M, **Geurs NC**, Geisinger ML. Anyone's Game: Gamification as a Resident Self-Study Tool. American Dental Education Association, Poster Presentation, 2020.
92. Geisinger ML, Martin KM, Alison JP, Kaur M, **Geurs NC**. Waistline to gumline: body mass index in treated periodontitis patients. American Association of Dental Research/International Association of Dental Research, Oral Presentation, 2020.
93. Liu K, Abou-Arraj RV, Geisinger ML, Geurs NC, Javed A, Kaur M, Li P, Basma H. A randomized controlled trial to compare the histomorphometric and clinical outcomes of soft tissue augmentation at the time of lateral ridge augmentation. Southern Academy of Periodontology Annual Meeting, 2021. (2021 Pennel Research Award Clinical Science 1st Place Winner.)
94. Galviz GG, Geisinger ML, AbouArraj RV, Kaur M, Javed A, Geurs NC. Clinical, radiographic, and histomorphometric outcomes following ridge preservation using leukocyte platelet rich fibrin (L-PRF) and freeze-dried bone allograft (FDBA) layered technique: A prospective, randomized clinical trial. Southern Academy of Periodontology Annual Meeting, 2020. (2020 Pennel Clinical Science 3rd Place Award Winner).
95. Misch-Haring M, Javed A, Abou Arraj RV, Kaur M, Geurs NC, Geisinger ML. Release kinetics of rhBMP-2 using Alb-PRF as an autologous carrier: An in vitro analysis. Southern Academy of Periodontology Annual Meeting, 2021. (2021 Pennel Basic Science 3rd Place Award Winner).
96. Geisinger ML, Howard JH, Abou Arraj RV, Kaur M, Basma H, Geurs NC. A Prospective, Randomized Controlled Trial to Compare Vestibular Incision Subperiosteal Access and Sulcular Tunnel Access Root Coverage Procedures to Treat Gingival Recession. EuroPerio10. (Copenhagen, Denmark)
97. Basma HS, Abou-Arraj RV, Liu K., Startley S., Geurs NC. A Randomized Controlled Trial to Compare Histomorphomteric and Clinical Outcomes of Soft Tissue Augmentation at the time of Lateral Ridge Augmentation procedures. (First place poster competition AO meeting San Diego 2022)

98. Nasseh P, Englert B, Lawson N, Li P, Liu PR, Geurs NC, Abou-Arraj RV. The effects of implantoplasty on implant design characteristics and mechanical strength. Academy of Osseointegration, San Diego 2022.

INVITED PRESENTATIONS

A. National Meetings

- 1996 "Gingival inflammation related to dental implants and keratinized gingiva"
American Academy of Periodontology Annual Meeting, New Orleans, LA
- 2000 NorthEast Society of Periodontics Annual Meeting: Diagnostics in Periodontics
Lecturer and Discussion Panel Member, New York, NY
- 2003 "Soft tissue considerations for dental implants. Advanced bone grafting and site
preparation" US Army, Fort Gordon, GA
- 2004 "Pre-term delivery and Periodontitis"
March of Dimes conference on pregnancy outcomes, Scottsdale AZ
- "Pre-term delivery and Periodontitis"
Alabama Department of Health, Tuscaloosa AL
- 2005 "Soft tissue considerations for dental implants. Advanced bone grafting and site
preparation" US Army, Fort Gordon, GA
- "Clinical and histological evaluation of lateral ridge augmentations" Miami Master's
Conference, Miami, FL
- "The efficacy of resorbable membranes for use in lateral ridge augmentations" Academy
of Osseointegration Annual Meeting, Orlando FL
- 2006 "Predictable Clinical and Histological Results Utilizing Guided Bone Regeneration"
Grand Rounds-OMS UAB School of Dentistry, Birmingham, AL
- AADR Session Chair-Implantology Research
- "Parameters for Success with Guided Bone Regeneration"
"Predictable Clinical and Histological Results Utilizing Guided Bone Regeneration"
Global Institute of Dental Education Europe Meeting, Amsterdam, The Netherlands
- "Predictability and Innovations in Implant Dentistry and Periodontology" Inter-
Mountain Periodontal Society Meeting, Salt Lake City, UT

“Esthetic Periodontology in Support of the Restorative Dentist” Sarasota District Dental Society, Sarasota, FL

2007 “Current concepts in American Dentistry: Implantology/Periodontics”; “Ridge Augmentation for Implant and Conventional Restorative Therapy” New York University College of Dentistry

2008 “Esthetic periodontics treatment of recession defects” Sarasota District Dental Society, Sarasota FL

“Periodontal esthetics and implant site development” US Army, Fort Gordon, GA

“Hard tissue site development” New York University College of Dentistry Continuing Dental Education Program:

“Narrow Diameter Implants-Hard Tissue Site Development” Kentucky Periodontal Society Annual meeting, Louisville, KY

2012 “Periodontal Inflammation and Systemic Health: What do you tell your patients?”
“Esthetic Periodontology in Support of the Restorative Dentist”
UAB School of Dentistry Alumni Weekend Ansley Brown Speaker

2013 “Randomized clinical trial results of laser ablated abutments vs traditional abutments”
Biohorizons Global Symposium, Miami FL

“Allografts for the use in oral regeneration” Greater Houston Society of Periodontology
Houston TX

2014 “Peri-Implantitis” Florida Association of Periodontists Annual meeting Keynote speaker

“Esthetics periodontics in support of the general dentist, implant maintenance and the prevention of peri-implantitis” 24th annual Pete Fedi Lecturer, UMKC Kansas City

2015 “Optimizing Soft Tissue Integration: From innovation to clinical application”
BioHorizons Global Symposium, Los Angeles CA

2016 “Pursuing Wellness in Our Periodontal Practices”, American Academy of Periodontology
Annual Meeting, San Diego, CA

2017 “Evidence-based site development techniques in oral reconstruction”
AAPF Charles W. Finley Visiting Scholar, University of Washington, Seattle WA

“Leadership in Oral Health: Everything you wanted to know about Periodontology but never asked”, ALAGD annual meeting, Sandestin FL

- 2018 “Success in Oral Reconstruction and Regeneration through Minimally Invasive Techniques” The 47th Annual Arthur H. Merritt Memorial Lectureship, Dallas, TX
- 2019 University of Florida Kaplan Visiting Professor
- 2020 American Academy of Periodontology Webinar series: Periodontal Education and the COVID Pandemic
- 2021 Grand Rounds UAB Family Medicine: Dentistry and Wellness
- Bone Health TeleECHO™ Program Medical Director: E. Michael Lewiecki, MD Topic: A Dentist's Perspective on Dental Care in Patients Treated for Osteoporosis
- 2022 Alabama Implant Study Group 50th Anniversary Congress: Success in Oral Reconstruction and Regeneration through Minimally Invasive Techniques: Grafting with Growth Factors

INVITED PRESENTATIONS

B. International Meetings

- 1996 IADR annual meeting Vancouver, BC Canada
Session Chair: Implantology Research Group, Vancouver BC Canada
- 1999 Guatemalan Dental Society Annual Meeting: Current Concepts in Periodontology
Lecturer and Discussion Panel Member
- 2000 EuroPerio– Swiss Periodontal Society, Geneva Switzerland Grant
“Leptin Receptor Polymorphisms and Periodontitis in Rats”
- 2002 Second Chun Shan -- UAB Dental Implantology Symposium, Taiwan
“Mucogingival Considerations for Implant Placement”
“Sinus Grafting Procedures”
- Universidad Francisco Marroquin Facultad de Odontologia, Guatemala City, Guatemala
Featured Speaker at Semana Científica
Lectures to Dental Faculty, Students and Community
- WCOI 6, Hawaii
“Pharmacotherapeutics and Genomics”
- 2003 Universidad Francisco Marroquin Facultad de Odontologia, Guatemala City, Guatemala
Featured Speaker-Periodontology in Semana Científica
- 2004 IADR/AADR Satellite research Session, Hawaii
“Pharmacotherapeutics and implantology

University of Nijmegen, The Netherlands
“Mucogingival considerations for dental implants”

Sitges Spain: Undergraduate Implantology programs Seminar participant

Universidad Francisco Marroquin Facultad de Odontologia, Guatemala City, Guatemala,
“Treatment planning for dental implants”

2005 Howard University Alumni Association Meeting, Puerto Rico
“Periodontitis and Pregnancy Outcomes”

Global Institute of Dental Education Europe Meeting, Amsterdam, The Netherlands
“Parameters for Success with Guided Bone Regeneration”
“Predictable Clinical and Histological Results Utilizing Guided Bone Regeneration”

Meikai and Ashahi Universities, Japan
“Anterior Implant Esthetics”

2006 Nijmegen, Den Haag, The Netherlands “ Ridge Augmentation for Implant and
conventional Restorative Therapy”

Catholic University of Nijmegen, The Netherlands “Predictable clinical and histological
results utilizing a simplified guided bone regeneration approach”

2007 Mihadol University, Bangkok Thailand “Keys to success in implant dentistry” A three-
day course at the ICOC meeting.

Seoul University School of Dentistry, Seoul Korea “Implant solutions: Narrow diameter
one-piece implants for cost effective overdentures and for superior esthetics and function
in areas of limited space”

2009 Lima Peru Peruvian Society of Dental and Maxillofacial Prosthodontics Live surgery
Demonstration Sinus Graft

Chiclayo Peru Peruvian Society of Dental and Maxillofacial Prosthodontics Periodontics
/ Prosthodontics interrelationship

ACTA Academic Centre for Dentistry in Amsterdam implantology program:
Bioengineering in Implant dentistry, Amsterdam, The Netherlands

2010 ACTA Academic Centre for Dentistry Periodontology, Amsterdam The Netherlands

2011 Peri-implantitis, Clinic opening Ceremony, Oral and Maxillofacial surgery clinic. Jeroen
Bosch Hospital, The Netherlands

- 2012 Dutch Periodontal Society Pre-Annual Meeting Workshop Allografts in Regeneration, Utrecht, The Netherlands
- ISDR, Advanced Bone Grafting, Chennai India
- Keynote speaker, Indian Society of Dental Research Annual meeting. Chennai, India
Multi center research: Design and infrastructure development.
- Advanced surgical techniques: A hands-on course, Manchester UK
- 2013 Irish Society of American Trained dental specialist: Case presentation: Dublin Ireland
- 2014 Peruvian Dental Board Annual meeting. "Successful techniques for the creation of soft tissue health and esthetics", Lima, Peru
- 45th Annual meeting of the Universidad Peruana Cayetano Heredia, "Esthetic Periodontology in Support of the Restorative Dentist", Lima, Peru
- 2017 Taiwanese Academy of Periodontology, Featured Speaker
Minimally invasive techniques for implant site development
- 2018 EuroPerio Amsterdam, The Netherlands
Is gingivitis during pregnancy inevitable?
- International Resident Periodontics Symposium, Texas A&M College of Dentistry
Interactive session: The future of Periodontology
Graduate Periodontics Departments of:
Universidad de Guadalajara, Guadalajara, Jalisco, México
Universidad Quetzalcóatl Irapuato, Irapuato, León, México
Universidad Autónoma de Nuevo León, Monterrey, Nuevo León, México
Universidad de Panamá, Ciudad de Panamá, Panamá
Texas A&M University College of Dentistry Dallas, Texas, U.S.A.
- 2019 Osteology Foundation Barcelona Spain

C. Invited Workshops

- 1996 Academy of Osseointegration -- Consensus Conference on Sinus Grafts, Boston MA
"Radiographic Analysis of Sinusgrafts and implant placement. Preliminary results."
- 1998 PEW Round Table on Higher Education, UAB
- 1998 Session Chair, AADR, Implantology Research Group, Minneapolis, MN
- 2000 Alabama State Task Force on Osteoporosis Prevention, Montgomery, AL

Planning Meeting Dental Representative

- 2001 American Academy of Periodontology Annual Meeting, Philadelphia PA
Predoctoral Program Directors Meeting
“Outcomes Assessment in Periodontal Education”
- 2004 ADEA Summit on Dental implant education, Tucson AZ
- 2009 American Academy of Periodontology Postdoc educator’s workshop: “Recruitment of Residents”
- 2015 American Academy of Periodontology Predoctoral Educators Workshop: Periodontology Leading Implant Education Now And In The Future, Orlando FL
- 2015 Wellness, Health and Society Meeting, Universidad de Alcala de Henares, Spain
- 2017 AAP World Workshop on Classification of Perio and Peri-implant Diseases and Conditions, Chicago IL

D. Invited Continuing Education Lectures

- 1996 Academy of General Dentistry Group III: "Implant Dentistry -- Surgical Overview", UAB CE, Birmingham, AL

Academy of General Dentistry Group V: "Implant Dentistry -- Surgical Overview", UAB CE, Birmingham, AL

"Current Concepts in Periodontics for the Dental Hygienist", UAB CE, Birmingham, AL

“Diabetes and Periodontics” Lecture for the Birmingham Diabetic Patients Support Group , Birmingham, AL
- 1998 “Current Concepts in Periodontics for the Dental Hygienist”, UAB CE, Birmingham, AL

Mastership in General Dentistry, Periodontology I, UAB CE, Birmingham, AL

“Periodontal Instrumentation: Hands-on course”, UAB CE, Birmingham, AL

Mastership in General Dentistry, Periodontology II, UAB CE, Birmingham, AL

“Implant Maintenance” UAB CE, Birmingham, AL

“Esthetic Periodontics in Support of the Restorative Dentist” Birmingham Society of Advanced Dentistry, Birmingham, AL

“Esthetic Periodontal Considerations” Dental Society in Montgomery, AL

- “Current Concepts in Periodontology” Alabama Fifth District Dental Society Annual Meeting, Gadsden, AL
- Judge, Science Fare, Our Lady of the Valley School, Birmingham AL
- 1999 “Basic Periodontal Therapy for the Dental Hygienist-A Hands-On Course”, UAB CE, Birmingham, AL
- “Sinus Lift for Implant Placement-A Hands-On Course”, UAB CE, Birmingham, AL
- 2000 “Current Concepts in Periodontology for the Dental Hygienist” UAB CE, Birmingham, AL
- “Current Concepts in Periodontology for the Dental Hygienist” Alabama Dental Association District 3, Dothan, AL
- “Current Concepts in Periodontology for the Dental Hygienist” Alabama Dental Association District 9, Opelika, AL
- 2001 Mastership in General Dentistry, Periodontology, UAB CE, Birmingham, AL
- “Periodontitis and Osteoporosis” National Satellite Program on Women’s Health Issues, Alabama Department of Public Health, Montgomery, AL
- “Periodontal Diseases and Systemic Health”, Montgomery, AL
- “Adjunctive Therapy in Periodontology” Advanced General Dentistry Meeting, Albany, GA
- 2002 Mastership in General Dentistry, Periodontology, UAB CE, Birmingham, AL
- “Current Concepts in Periodontology” 8th District Dental Society Meeting, Huntsville AL
- “Periodontal Diseases and Systemic Health” Idaho Falls Dental Society, Idaho Falls, ID
- 2003 “Current Concepts in Periodontology” 3rd District Dental Society, Dothan AL
- “Current Concepts in Periodontology” Virginia Beach Study Club, VA
- 2005 “Current Concepts in Periodontology” 3rd District Dental Society, Dothan AL
- “Current Concepts in Periodontology” Montgomery AL
- 2007 “Esthetic periodontics”, “Hard tissue site development” 5th District Dental Society, Gadsden AL

- “Current Concepts in Periodontology” Columbus, MS
- “A Hands-On Course in Implant Surgery and Prosthodontics” UAB Continuing Dental Education Zimmer Course, San Diego, CA.
- 2008 “Current concepts in Periodontology” UAB CE, Birmingham, AL
- “Esthetic Periodontology in support of the restoring dentist: Implant Site Development” Middle Bay Study Club, Mobile, AL
- “Esthetic Periodontics in support of the general dentist” 2nd District Dental Society, Montgomery, AL
- “Current Concepts in Periodontology” Jackson, TN
- “A Hands-On Course in Implant Surgery and Prosthodontics” UAB Continuing Dental Education Zimmer Course, San Diego, CA.
- 2009 "Introduction to Implant Dentistry" UAB CE, Birmingham, AL
- “Narrow Diameter Implants” Oss, The Netherlands, Dental Select Clinic
- “Allografts for the use in oral regeneration” Maarne, The Netherlands: Edin Study Club:
- "Introduction to Implant Dentistry", UAB CE, Huntsville, AL
- “Esthetic Periodontology in support of the general dentist, Periodontal disease and systemic health” Alabama Sixth District Dental Society meeting, Tuscaloosa, AL
- “Current Concepts in Periodontology” Alabama 5th District Dental Society meeting, Gadsden, AL
- "Introduction to Implant Dentistry", UAB CE, Nashville, TN
- "Introduction to Implant Dentistry" UAB CE, Atlanta, GA
- “Implant Maintenance” Meridian, MS Dental Society:
- 2010 “A hands-on course in basic implant surgery and prosthodontics” UAB CE Zimmer simulation lab, Parsippany, NJ
- “A Hands-On Course in Implant Surgery and Prosthodontics” UAB CE Zimmer Course, San Diego, CA.
- “Current concepts in periodontology” Meridian, MS Hygiene Study Club

- 2011 Surgical assisting for the dental assistant. UAB CE, Birmingham, AL
- Current Concepts in Periodontology. UAB CE, Birmingham, AL
- 1st Annual Alabama Implant Symposium, UAB CE, Birmingham, AL
- “Successful techniques for the creation of soft tissue health and esthetics”, Rotterdam and Drachten, The Netherlands
- “Successful techniques for the creation of soft tissue health and esthetics”. Amsterdam, Zwolle, Utrecht and Breda, The Netherlands
- 2012 “Current Concepts in Periodontology” UAB CE, Birmingham, AL
- “Implant Site Development”, “Peri-implantitis” ALDA annual meeting. Destin FL
- “Soft and Hard Tissue Grafting Techniques for Implants in the Esthetic Zone for Improved Outcomes” 2nd Annual Alabama Implant Symposium, UAB CE, Birmingham, AL
- “Peri-implantitis” Noord Hollandse Vereniging van Tandartsen, The Netherlands
- “Advanced Bone Grafting: A Cadaver Course”. UAB CE Zimmer Institute, Parsippany, NJ
- 2013 “Advanced Bone Grafting” BioHorizons Hands-on Birmingham, AL
- “Periodontal Inflammation and Systemic Health: What do you tell your patients?” Anchorage, AK
- "Introduction to Implant Dentistry", UAB CE, Birmingham, AL
- “Comprehensive Clinical Periodontics for the General Practice” Concord and Portsmouth, NH
- 2014 “Successful techniques for the creation of soft tissue health and esthetics” Portland and Eugene, OR
- “Bisphosphonates and dental implants” 4th Annual Alabama Implant Symposium, UAB CE, Birmingham, AL
- “Comprehensive Clinical Periodontics for the General Practice”, Fairmont Springs, MT
- 2015 “Comprehensive Clinical Periodontics for the General Practice” Bar Harbor and Portland, ME

- “Comprehensive Clinical Periodontics for the General Practice” Atlanta and Savannah, GA
- “Comprehensive Clinical Periodontics for the General Practice” Baltimore MD and Harrisburg PA
- “Current Concepts in Periodontology” UAB CE, Birmingham, AL
- “Current Concepts in Periodontology” 3rd District, Dothan AL
- “Comprehensive Clinical Periodontics for the General Practice”, Charlotte NC and Greensboro NC
- Sinusgraft Hands-On Cadaver course, 5th Annual Alabama Implant Symposium, UAB CE, Birmingham, AL
- 2015 “Comprehensive Clinical Periodontics for the General Practice” Charlotte and Greensboro NC
- “Comprehensive Clinical Periodontics for the General Practice” Las Vegas NV and Phoenix AZ
- 2016 “Comprehensive Clinical Periodontics for the General Practice”, Grand Rapids and Kalamazoo MI
- “Comprehensive Clinical Periodontics for the General Practice” Saratoga Springs and Syracuse, NY
- “Current Concepts in Periodontology” UAB CE, Birmingham, AL
- “Comprehensive Clinical Periodontics for the General Practice”, Portland, ME, Portsmouth and Nashua, NH
- “Comprehensive Clinical Periodontics for the General Practice” Pittsburg and Cleveland, OH
- “Comprehensive Clinical Periodontics for the General Practice” Las Vegas and Reno NV
- 2017 “Comprehensive Clinical Periodontics for the General Practice”, Ann Arbor, Battle Creek, and Lansing MI January
- “Diagnosis, Prevention and Treatment of Dental Implants” UAB CE, Tuscaloosa, AL February
- “Comprehensive Clinical Periodontics for the General Practice”, Stockton and Sacramento CA April

- “Current Concepts in Periodontology” UAB CE, Birmingham, AL July
- “Comprehensive Clinical Periodontics for the General Practice”, Cincinnati and Columbus, OH August
- “Comprehensive Clinical Periodontics for the General Practice”, Dallas, Austin, and San Antonio, TX October
- “Comprehensive Clinical Periodontics for the General Practice”, Atlanta GA and Chattanooga, TN December
- 2018 “Diagnosis, Prevention and Treatment of Dental Implants” Hot Springs AR February
- “Comprehensive Clinical Periodontics for the General Practice” Phoenix AZ and Las Vegas NV July
- “Success in Oral Reconstruction and Regeneration Through Minimally Invasive Techniques” Arthur Merritt Symposium Baylor College of Dentistry, Dallas, August
- “Comprehensive Clinical Periodontics for the General Practice” Voorhees, NJ and Lancaster, PA August
- “Periodontal Inflammation and Systemic Health: What do you tell your patients?” Fredericksburg, VA December
- 2019 “Comprehensive Clinical Periodontics for the General Practice” Michigan May
- “Comprehensive Clinical Periodontics for the General Practice” Alaska July
- “Current Concepts in Periodontics” Small Smiles Presentation Aug 23
- “Current Concepts in Periodontics” Rochester NY November
- “Comprehensive Clinical Periodontics for the General Practice” South Carolina December
- 2020 “Optimizing Your Patient’s Systemic Health Through Dental Care!” UAB Alumni Weekend, February 6
- Webinar series Current Concepts in Periodontology
- 2021 UAB Alumni Association Ansley Brown Lecture “Open Wide! The Role of the Oral Healthcare Team in Promoting Overall Wellness” (Co-Presenter with Drs. Maria Geisinger and Maninder Kaur)
- Webinar series Current Concepts in Periodontology

“Current Concepts in Periodontics” Denver CO September

“Current Concepts in Periodontics” Webinar, October

“New Periodontal Disease Classification” Meridian, MS Dental Society, October

“Current Concepts in Periodontics” Concord, NC, December

2022 ALDA 8th District Meeting: Current concepts in Periodontal therapy, Implant maintenance