



**Curriculum Vitae**  
**Michael K. McGuire**  
June 2018

**PERSONAL HISTORY**

Born: August 16, 1951  
Bartlesville, Oklahoma  
U.S. Citizenship

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**EDUCATION**

<b>INSTITUTION AND LOCATION</b>	<b>DEGREE CONFERRED</b>	<b>MAJOR</b>
Westchester High School Houston, Texas	1969	
Baylor University Waco, Texas	BA 1973	Psychology

Emory University School of Dentistry Atlanta, Georgia	D.D.S.	1977	Dentistry
Emory University School of Dentistry, Department of Periodontics	Certificate in Periodontics	1979	Periodontics

## LICENSURE

Georgia	1977	#8692
Texas	1977	#11568

## CERTIFICATION

Diplomate, The American Board of Periodontology	1984	#697
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## ACADEMIC APPOINTMENTS

1977 - 79	Clinical Instructor, Department of Periodontics, Emory University School of Dentistry, Atlanta, Georgia
1988 - Present	Clinical Assistant Professor, Department of Periodontics, UTDB, San Antonio, Texas
1988 - Present	Clinical Assistant Professor, Stomatology at The University of Texas Dental Branch, Houston, Texas

## PRIVATE DENTAL PRACTICE

1979 - Present	Practice Limited to Periodontics, Houston, Texas Percentage of time devoted to practice is 80%, to teaching is 5%, to research is 15%.
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## SOCIETY MEMBERSHIPS

American Dental Association  
Texas Dental Association  
Great Houston Dental Society  
Houston Society of Periodontists  
Southwest Society of Periodontists  
American Academy of Periodontology  
International College of Dentists  
American College of Dentists

## HONORS AND AWARDS

1966	Eagle Scout, Boy Scouts of America
1966	God and Country Award, Boy Scouts of America

- 1972 - 73 Dean's Distinguished List, Baylor University, Waco, Texas
- 1977 Omicron Kappa Upsilon, Emory University School of Dentistry
- 1977 American Academy of Periodontology Annual Student Award for Outstanding Achievement in Periodontics
- 1989 Cooksey Award, The Greater Houston Dental Meeting
- 1989 ADA Meritorious Award in Community Preventive Dentistry. Accepted as the President for Texas Society of Periodontists
- 1989 Cooley Cup, Texas Dental Association Annual Sessions
- 1991 Texas Dental Association Young Dentist of the Year
- 1991 American Dental Association Recognition as an Outstanding Young Dentist Leader and for Exemplary Effort in the Service of Organized Dentistry
- 1994 American Academy of Periodontology Special Citation
- 1994 International College of Dentists, Fellow
- 1996 American College of Dentists, Fellow
- 1997 American Academy of Periodontology, Special Citation
- 1997 American Academy of Periodontology, Annual Award for Clinical Research in Periodontology
- 2000 President of the American Academy of Periodontology
- 2003 Greater Houston Dental Society Nominee, Texas Dentist of the Year
- 2003 American Academy of Periodontology, Fellowship
- 2004 American Academy of Periodontology, Presidential Award
- 2006 American Academy of Periodontology, R. Earl Robinson Periodontal Regeneration Award
- 2007 American Academy of Periodontology, Master Clinician Award
- 2009 Emory University School of Dentistry, Distinguished Alumnus Award
- 2009 J. George Coslet Distinguished Lecturer Award, University of Pennsylvania School of Dental Medicine
- 2009 Jack Winston Lecturer, University of Texas Dental Branch Houston, Texas
- 2009 American Academy of Periodontology Gold Medal Award. The Academy's highest honor.
- 2009 President of the American Academy of Periodontology Foundation
- 2010 American Academy of Periodontology, Annual Award for Clinical Research in Periodontology
- 2010 American Academy of Periodontology, R. Earl Robinson Periodontal Regeneration Award
- 2011 California Society of Periodontists Special Recognition Award
- 2014 American Academy of Periodontology R. Earl Robinson Periodontal Regeneration Award
- 2015 Ramfjord Visiting Professorship, University of Michigan
- 2015 William J. Gies Periodontology Award presented by ADEA and AAP
- 2017 American Academy of Periodontology R. Earl Robinson Periodontal Regeneration Award

## **THE MCGUIRE INSTITUTE FOR PRACTICE BASED CLINICAL RESEARCH (*iMc*) FOUNDER AND CHAIRMAN**

This practice-based research institute is a not-for-profit organization whose mission is to provide research at the highest level of skill and integrity coupled with a vision for advancing dentistry through clinically-relevant research. To honor this commitment, 5% of all *iMc* revenues are reserved to support non-commercial research with the potential to contribute to our collective knowledge and understanding of dental therapies.

[www.themcguireinstitute.com](http://www.themcguireinstitute.com)

## **PERIO HEALTH INSTITUTE JAPAN**

This institute is dedicated to improving the dental health in Japan through preventive dental care and education.

Founder and Director  
[www.phij.net](http://www.phij.net)

## **NAMED AWARDS/FELLOWSHIPS**

Dr. Michael K. McGuire Award of Excellence in Periodontics. Creighton University School of Dentistry. Award for excellence in periodontics presented annually to one predoctoral student.

## **ELECTED OFFICES**

1979	President, Houston Society of Periodontics
1985	President, The Greater Houston Society of Periodontists
1986	Board of Directors, Texas Society of Periodontists
1986	Board of Directors, Southwest Society of Periodontists
1987	Secretary, Southwest Society of Periodontists
1987 - 88	President, Texas Society of Periodontists
1988 - 89	Board of Directors, Greater Houston Dental Society
1990	Secretary-Treasurer, Greater Houston Dental Society
1990 - 95	Delegate, Texas Dental Association
1990 - 96	Board of Trustees, American Academy of Periodontology
1991	First Vice President, Greater Houston Dental Society
1992	Treasurer, Southwest Society of Periodontists
1994 - 95	President, Greater Houston Dental Society
1994 - 95	President, Southwest Society of Periodontists
1996 - 97	Secretary, American Academy of Periodontology
1997 - 98	Treasurer, American Academy of Periodontology
1998 - 99	Vice President, American Academy of Periodontology
1999 - 00	President-elect, American Academy of Periodontology
2000 - 01	President, American Academy of Periodontology
2001 - 02	Past President, American Academy of Periodontology
2003	Director, American Academy of Periodontology Foundation
2004	Director, American Academy of Periodontology Foundation
2005	Secretary – Treasurer, American Academy of Periodontology Foundation
2006	Vice President, American Academy of Periodontology Foundation
2007 - 08	President, American Academy of Periodontology Foundation
2010 - 16	Director, American Board of Periodontology
2014 – 15	Vice Chair, American Board of Periodontology
2015 – 16	Chairman, American Board of Periodontology

## **APPOINTED OFFICES**

1985	Education Chairman, Southwest Society of Periodontists
1987	Pritchard Prize Chairman, Southwest Society of Periodontists

- 1988 AAP Representative to the Professional Partnership Program
- 1988 AAP Committee on Dental Plan Design/Benefits Marketing
- 1989 Annual Session Chairman, Southwest Society of Periodontists
- 1989 AAP Professional Relations Committee
- 1989 AAP National Spokesperson
- 1989 - 90 AAP Young Periodontists Committee
- 1989 - 91 AAP Ad Hoc Committee on Periodontal Screening and Education
- 1990 Chairman, Public Relations Committee, Southwest Society of Periodontics
- 1991 AAP Ad Hoc Committee on Periodontal Screening and Recording
- 1991 - 93 AAP Annual Sessions Committee
- 1991 TDA State Chairman, Adult Dental Awareness Week
- 1992 - 93 AAP Chairman, Ad Hoc Committee for the Creation of a Periodontal Disease Management Conference
- 1992 - 94 AAP Executive Committee
- 1992 - 94 AAP Budget and Audit Committee
- 1992 - 93 AAP Nominations Committee
- 1993 AAP Chairman, Periodontal Disease Management Conference
- 1993 Chairman, AAP Annual Meeting, Chicago
- 1994 Co-Chairman, The Landmark Symposia 1994. Toronto, Canada
- 1994 - 95 AAP Liaison to AAP Foundation Public Awareness Mission Taskforce
- 1994 - 96 Chairman, AAP Taskforce on Professional Periodontal Marketing Program
- 1995 Co-Chairman, Enhancing Outcomes Through Innovation, Goteborg, Sweden
- 1995 - 96 AAP Task Force on Periodontal-Medical Interface
- 1995 - 96 Chairman, Section on Prevention. AAP World Workshop in Periodontics
- 1995 - 96 AAP Executive Committee
- 2005 - 06 CSA Foundation Request for Proposals (RFP) on Evidence-based Dentistry (EBD) Subcommittee
- 1995 - 96 AAP Budget and Audit Committee
- 1996 Co-Chairman, Enhancing Outcomes Through Innovation, Tokyo, Japan
- 1996 - 97 Chairman, Taskforce to Market the Results of the World Workshop
- 1997 - 98 Chairman, Journal of Periodontology Editor's Review
- 1997 - 98 Chairman, AAP Budget and Audit Committee
- 1997 - 98 AAP Executive Committee
- 1997 - 98 AAP Planning Committee
- 1998 - 99 AAP Executive Committee
- 1998 - 00 Journal of Periodontology Clinical Advisor
- 1999 Chairman of the Section on Developmental or Acquired Deformities and Conditions, AAP Workshop for the Classification of Periodontal Diseases
- 1999 - 00 Chairman, AAP Workshop on Clinical Significance
- 1999 - 00 AAP Executive Committee
- 1999 - 00 AAP Planning Committee
- 1999 - 00 AAP Task Force to Consider a World Workshop
- 1999 - 01 Director, American Academy of Periodontology Foundation
- 2000 - 01 AAP Executive Committee, Chairman
- 2000 - 01 AAP Nominations Committee, Chairman
- 2000 - 01 AAP Planning Committee

Michael K. McGuire

- 2000 - 01 AAP Committee to Review Executive Director's Performance
- 2000 - 01 Taskforce to Develop a Workshop on Clinical Significance
- 2000 - 01 AAP Foundation Board of Directors
- 2000 - 01 Organizing Committee for a Workshop on Emerging Science in Clinical Periodontics
- 2000 - 01 Taskforce to Consider a World Workshop
- 2000 - 01 Taskforce to Organize AAP/NIDCR Conference on Periodontal Systemic Interface
- 2000 - 01 Consultant on Evidence-Based Dentistry, ADA Council on Scientific Affairs
- 2000 - 01 AAP representative to the Dental Implant Group
- 2001 - 02 Executive Committee, American Academy of Periodontology
- 2001 - 02 Committee to Review the Executive Director's Performance, Chair
- 2001 - 02 Task Force on a Visioning Process, Chair
- 2001 - 02 Organizing Committee for a Workshop on Clinical Significance, Board Liaison
- 2001 - 02 Organizing Committee for a Workshop on Emerging Science in Clinical Periodontics
- 2001 - 02 Consultant, ADA Council on Scientific Affairs
- 2002 AAP Representative to the 4th European Workshop on Periodontics, Zurich, Switzerland.
- 2002 - 03 Consultant, ADA Council on Scientific Affairs
- 2002 - 03 Organizing Committee for a Workshop on Emerging Science in Clinical Periodontics
- 2003 Participant, Tissue Engineering Natural Teeth, Session I, II. AAP Workshop on Contemporary Science in Clinical Periodontics
- 2003 - 07 Member, American Dental Association. Council on Scientific Affairs
- 2004 Co-Chairman, 8th International Symposium on Periodontics and Restorative Dentistry, Boston, MA.
- 2005 - 06 Chair, Communication and Marketing Task Force, American Academy of Periodontology Foundation
- 2005 - 06 CSA Foundation Request for Proposals (RFP) on Evidence-based Dentistry (EBD) Subcommittee
- 2007 - 08 Chair, AAPF Marketing Committee
- 2007 - 09 AAPF Investment Committee
- 2008 - 09 AAPF Chair, Committee to review the Executive Director
- 2008 - 09 AAPF Chair, Nominations Committee
- 2009 ADA Council on Scientific Affairs, Consultant
- 2009 Chair, AAPF Nevins Fellowship Taskforce
- 2009 - 10 AAP Taskforce on Future Science
- 2010 ADA Council on Scientific Affairs Consultant
- 2010 Chair, AAP Taskforce in Comprehensive Periodontal evaluation and risk assessment
- 2010 - 11 AAP Scientific Oversight Committee
- 2011 - 15 Chair, ABP Recertification Committee
- 2013 - 14 ADA Council on Scientific Affairs, Consultant
- 2013 - 14 AAP Organizing Committee for Periodontal Regeneration and Tissue Engineering Workshop
- 2013 - 14 AAP Scientific Oversight Committee
- 2014 ADA Council on Scientific Affairs Consultant Appointment
- 2014 - 15 AAP Scientific Oversight Committee
- 2014 - 15 Taskforce to update the Classification of Periodontal Diseases and Conditions
- 2015 Consultant ADA Council on Scientific Affairs
- 2014 - 18 Voting Member, FDA Dental Products Panel

- 2017 Workshop member, AAP and European Federation of Periodontology, Workshop on classification of periodontal and peri-implant conditions. Chicago, IL.
- 2017 Subgroup leader – mucogingival section, world workshop on the classification of periodontal and peri-implant disease and conditions.
- 2017- 18 AAP Disease Classification Steering Committee

### **SCIENTIFIC ADVISORY BOARDS / CONSULTANT**

- 1991 - 96 W. L. Gore Co.
- 1997 Implant Innovations, Inc.
- 2001 - 02 Advances Tissue Sciences, Inc.
- 2002 Biora AB
- 2003 Implant Innovation, Inc.
- 2003 Zonagen
- 2003 - 06 Isolagen
- 2004 - 06 Osteohealth
- 2004 - 06 Straumann Biologics
- 2004 - 05 Phillips Oral Healthcare
- 2004 - 05 Smith and Nephew Wound Care
- 2004 Organogenesis Inc.
- 2005 ADA Standards Committee on Dental Lasers, Voting Member
- 2005 - 06 Biomimetic Pharmaceuticals
- 2005 - 06 Perio-Imaging
- 2005 Giestlich
- 2006 Biomimetic Therapeutics Orofacial Advisory Board
- 2008 - 11 Organogenesis, Inc
- 2010 Medtronic
- 2011 - 12 Medtronic
- 2011 Organogenesis

### **UNITED STATES PATENTS**

- Patent #6,155,837. Date of patent: Dec. 5, 2000. Non-surgically Retrievable Guided Tissue Regeneration Membrane. Inventor: Michael K. McGuire.

### **FDA INTERACTION**

- 1989 Site Inspection. Revealed no deviations from applicable regulations for clinical research in our office involving an investigational new drug.
- 2002 FDA Panel (CBER). Testimony regarding Dermagraft on behalf of Advanced Tissue Science.
- 2011 Site Inspection. Revealed no deviations from applicable regulations for clinical research in our office involving an investigational new live cell-base device.
- 2011 FDA Panel (CBER). Testimony leading to approval of Apligraf on behalf of Organogenesis, Inc. The first live cell device approved for dentistry.
- 2014 – 18 Member, FDA Dental Products Panel

## **TRANSLATIONAL RESEARCH – FROM CONCEPT TO FDA APPROVAL TO COMMERCIALIZATION**

Dr. McGuire was responsible for the concept of using tissue engineered live-cell devices to generate keratinized tissue in the oral environment. He convinced Advanced Tissue Sciences and Organogenesis of the feasibility of the concept in the early 1990's, he wrote and had accepted by the FDA an independent device exemption for his research, designed and conducted two Human Pilot Studies, was the primary investigator of the pivotal trial and provided testimony to the FDA (CBER) panel all of which lead to the approval of the first live-cell based device in dentistry.

## **EDITORIAL RESPONSIBILITIES**

2010 - 14 Editorial Advisory Board, Clinical Advances in Periodontics

2006 - 17 Editorial Board, Journal of Periodontology

1998 - 14 Editorial Consultant, The International Journal of Oral and Maxillofacial Implants

1998 - 17 Editorial Consultant, The International Journal of Periodontics and Restorative Dentistry

Editorial Consultant, Reality

Periodontal Disease Management, AAP, Chicago, IL, 1994 (editorial responsibilities as chairman of conference and publication)

Co-Editor, Esthetics in Periodontics. Special issue. Compendium of Continuing Education In Dentistry, August 1997

Advisory Board, Journal of Periodontology and Annals of Periodontology, 2001-06

Editorial Board Subcommittee, Journal of the American Dental Association, 2005-06

## **PRACTICE-BASED RESEARCH STUDIES CONDUCTED**

1989-1990

“A Multi-Center Study to Evaluate Scaling & Root Planing With and Without PTS (Periodontal Therapeutic System) (Tetracycline) in Refractory Maintenance Patients”

Sponsor: Alza Corp

Principal Investigator Michael K. McGuire, D.D.S.

1989-1994

“Open-Label Study to Evaluate Treatment Use of PTS (Periodontal Therapeutic System) (Tetracycline)”

Sponsor: Proctor Gamble/Alza Corp

Principal Investigator Michael K. McGuire, D.D.S.

1990

“Clinical and Microbial Patterns of Adults with Periodontitis”

Sponsor: Michael K. McGuire, D.D.S.

Principal Investigator Michael K. McGuire D.D.S.

1993-1994

“Adjunctive use of Azithromycin in Treatment of Refractory Periodontitis”

Sponsor: Proctor & Gamble

Principal Investigator Michael K. McGuire D.D.S.



1994

“A Six Month Multicenter Evaluation of Adjunctive Tetracycline Fiber therapy used in Conjunction with Scaling and Root Planing in Maintenance Patients”

Sponsor: Proctor & Gamble

Principal Investigator Michael K. McGuire D.D.S.

1994-1995

“Host Factor Relationships in Periodontal Regenerative Therapy”

Sponsor: Proctor & Gamble

Principal Investigator Michael K. McGuire D.D.S.

1999-2001

“The Evaluation of Emdogain ® in Treatment of Recession Type Defects”

Sponsor: Biora

Principal Investigator Michael K. McGuire D.D.S.

2000-2001

“A Pilot Study of the Clinical applicability of the Minocycline Periodontal Therapeutics System When Used Adjunctively with Scaling and Root Planing for the Treatment of Non-Responding Periodontal Sites”

Sponsor: OraPharma

Principal Investigator Michael K. McGuire D.D.S.

2000-2002

“Free Autogenous Graft Pilot Study Utilizing Human Dermal Fibroblasts”

Sponsor: Advanced Tissue Sciences

Principal Investigator Michael K. McGuire D.D.S.

2002-2003

“A Randomized Double-Blind, Controlled, Parallel-Arm, Pivotal Human Clinical Trial to Evaluate the Safety and Effectiveness of B-TCP Plus for the Treatment of Periodontal Bone Defects”

Sponsor: Biomimetrics

Principal Investigator Michael K. McGuire D.D.S.

2003-2004

“A Blinded-Human clinical Trial to Evaluate the Clinical Utility of GEM 21S for the Treatment of General Bone Defects”

Sponsor: Biomimetrics

Principal Investigator Michael K. McGuire D.D.S.

2004-2006

“A Phase II, Randomized, Double-Blind, Placebo-Controlled Study to Determine the Safety and Efficacy of Isolagen Injections for Treatment of Interdentally Papillary Insufficiency”

Sponsor: Isolagen

Principal Investigator Michael K. McGuire D.D.S.

2005-2006

“A Pilot Clinical Trial to Assess the Safety and Efficacy of Apligraf® in Establishing a Functional Zone of Attached Gingiva”

Sponsor: Organogenesis

Principal Investigator Michael K. McGuire D.D.S.

2004-2006

“A Prospective, Randomized-Controlled Study of Ossix™ and Bio-Guide® Membranes used in Guided Bone Regeneration of Dehiscence and Fenestration Cases.”

Sponsor: 3i Implant Innovations

Principal Investigator Michael K. McGuire, D.D.S.

2005-2007

“A Single-Blind, Controlled, Split Mouth, Single- Center Study to Evaluate Safety and Effectiveness of GEM 21S Associated with GTR Membrane Compared to Sub-epithelial Connective Tissue Graft (CTG) for Treatment of Recession-Type Periodontal Defects”

Sponsor: Osteohealth/Luitpold

Principal Investigator Michael K. McGuire, D.D.S.

2005-2008

“A Phase II Open-Label Study to Determine the Safety and Efficacy of Isolagen™ Therapy for Treatment of Interdental Papillary Insufficiency.”

Sponsor: Isolagen

Principal Investigator Michael K. McGuire D.D.S.

2006-2008

“A Single- Blind, Controlled, Split-Mouth, Single-Center Clinical Trial to Evaluate the Safety and Effectiveness of Mucograft™ compared to Subepithelial Connective Tissue Graft (CTG) for the Treatment of Dehiscence-Type Recession Periodontal Defects “

Sponsor: Geistlich Pharma G

Principal Investigator Michael K. McGuire, D.D.S.

2007-2009

“A Prospective randomized Controlled Study of Bio-Guide, Ossix™, and Ossix Plus™ Membranes used in Guided Bone Regeneration of Dehiscence and Fenestration Cases”

Sponsor: Perio Health Clinical Research Center

Principal Investigator Michael K. McGuire, D.D.S.

2007-2008

“A Clinical Trial to Evaluate CelTx™ (Apligraf®) as an Alternative to Tissue From the Palate to Enhance Oral Soft Tissue Regeneration and Wound Healing”

Sponsor: Organogenesis

Principal Investigator Michael K. McGuire, D.D.S.

2007-2009

“A Clinical Trial to Evaluate CelTx™ (Apligraf®) as an Alternative to Tissue From the Palate to Enhance Oral Soft Tissue Regeneration and Wound Healing”

Sponsor: Organogenesis

Principal Investigator Michael K. McGuire, D.D.S.

2009

“Clinical Evaluation of GEM 21S® Containing a narrower Particle Range of  $\beta$ -Tricalcium Phosphate in Human Periodontal osseous Defects”

Sponsor: Luitpold

Co-Principal Investigator Michael K. McGuire, D.D.S.

Co-Principal Investigator E.Todd Scheyer, D.D.S., M.S.

2007-2010

“A Prospective, Randomized, Controlled Pilot Study of CelTx™ (Apligraf®)\* as an Alternative to Tissue from the Palate in the Treatment of Gingival Recession Requiring Root Coverage”

Sponsor: Organogenesis

Principal Investigator Michael K. McGuire, D.D.S.

2009-2010

“A Post-Market Clinical, Radiographic and Histologic Evaluation of DynBlast™ DBM Putty and Paste in Extraction Socket Procedures”

Sponsor: Keystone

Principal Investigator E. Todd Scheyer, D.D.S., M.S.

Investigator Michael K. McGuire, D.D.S.

2009-2011

“An Open label, Non-Randomized, Single-Arm, Multi-Center Study to Assess Sinus Augmentation (Sinus Lift) Utilizing INFUSE® Bone Graft Concurrent with Dental Implant Placement”

Sponsor: Medtronic

Co-Principal Investigator Michael K. McGuire, D.D.S.

Co-Principal Investigator, E.Todd Scheyer, D.D.S., M.S.

2008-Present

“Prospective Comparative Assessment of Single-Tooth Replacement in Different Implant-Abutment Interface Settings”

Sponsor: Astra Tech

Principal Investigator Michael K. McGuire, D.D.S.

2010-Present

“A Clinical Trial to Evaluate Mucograft® Collagen Matrix as an Alternative to Free Gingival Grafting for Oral Soft Tissue Augmentation”

Sponsor: Geistlich Pharma AG

Principal Investigator Michael K. McGuire, D.D.S.

2011-2015

“A Prospective, Case-Controlled Study Evaluating the Use of Straumann Emdogain with Coronally Advanced Flap Versus Connective Tissue Graft with Coronally Advanced Flap on Human Buccal Recession Defects; A Human Histology Study”

Sponsor: Straumann

Principal Investigator Michael K. McGuire, D.D.S.

2011-Present

“Clinical Analysis of a Biomimetic Implant System: Five Year survival rates, Marginal Bone-Level Changes, and Soft tissue Aesthetics”

Sponsor: Keystone Dental

Principal Investigator E. Todd Scheyer, D.D.D, M.S.

Investigator Michael K. McGuire, D.D.S.

2012- 2014

“Evaluation of Human Gingival Recession Defects Treated with Coronally Advanced Flaps and Either  $\beta$ -TCP + rhPDGF-BB (GEM 21S®) or Connective Tissue: Comparison of Clinical Parameters at 5 or More Years Following Completion of Protocol 1GEM04001”

Sponsor: Luitpold

Principal Investigator Michael K. McGuire, D.D.S.

2015

Protocol PSPD 1-2: A pharmacokinetic Pilot followed by a Phase I/II, Blinded, Randomized, Controlled, Parallel Arm Trial to Evaluate the Safety, Tolerability and Efficacy of PerioSept® and Scaling and Root Planing in Subjects with Periodontitis.

Sponsor: Geistlich Pharma AG

Principal Investigator: Michael K. McGuire, D.D.S.

2016 - Present

Protocol PSPD 1-2: A pharmacokinetic Pilot followed by a Phase I/II, Blinded, Randomized, Controlled, Parallel Arm Trial to Evaluate the Safety, Tolerability and Efficacy of PerioSept® and Scaling and Root Planing in Subjects with Periodontitis.

Sponsor: Geistlich Pharma AG

Principal Investigator: Michael K. McGuire, D.D.S.

2016

Clinical Trial Protocol GPNA0001-2016. A prospective, randomized, controlled, multi-center evaluation of extraction socket management comparing CollaPlug® and Mucograft Seal®

Sponsor: Geistlich Pharma NA

Principal Investigator: Michael K. McGuire, D.D.S. and E. Todd Scheyer, D.D.S., M.S.

2016

Clinical Trial Protocol: iMc0001-2016. Long-term Clinical Evaluation of Dental Implants

Sponsor: iMc

Principal Investigator: Michael K. McGuire, D.D.S. and E. Todd Scheyer, D.D.S., M.S.

April 2017

A prospective Multicenter Randomized and Controlled Study Comparing Laser and Mist Therapies for Treatment of Moderate to Severe Generalized Periodontitis

Sponsor: BioLase and iMc

Principal Investigator: Michael K. McGuire, D.D.S.

## **PEER-REVIEWED PUBLICATIONS**

McGuire MK. et al. Evaluation of an Oral Disease Control Program Administered to a Clinic Population at a Suburban Dental School. *J Periodontol*, 1980, 51:607-613.

McGuire MK. Periodontics - On the Verge of a New Era. *Texas Dental Journal*, October 1988,105:5-9.

McGuire MK. Periodontal Surgery - Osseous Resection, Regeneration and Reconstruction. *Texas Dental Journal*, November 1988, 105:28-37.

McGuire MK. Coverage of the Denuded Root Surface Utilizing the Free Soft Tissue Autograft. *JADA*, 1990, 121:277-279.

**AAP Clinical Research Award 1997. The most clinically relevant study published that year.**

**McGuire MK. Prognosis Versus Actual Outcome: A Long-Term Survey of 100 Treated Periodontal Patients Under Maintenance Care. *J Periodontol*, 1991, 62:51-58.**

McGuire MK. Reconstruction of Bone on Facial Surfaces: A Series of Case Reports. *Int. J. Perio. and Rest. Dent.* 1992, 12:133-143.

Becker W, Becker B E, McGuire M K. Localized Ridge Augmentation Utilizing Absorbable Pins and E-PTFE Barrier Membranes: A New Surgical Technique. *Case reports. Int. J. Perio. and Rest. Dent.*, 1994, 14:49-61.

McGuire MK, Newman MG. Evidence-Based Periodontal Treatment, I. A Strategy for Clinical Decisions. *Int. J. Perio. and Rest. Den.*, 1995, 15:70-83.

Newman MG, McGuire MK. Evidence-Based Periodontal Treatment, II. Clinical Recommendations to Enhance Predictability of Regeneration. *Int. J. Perio. and Rest. Dent.*, 1995, 15:116-127.

Newman MG, McGuire MK. Patient Care Based on the Best Available Evidence. *Int. J. Perio. and Rest. Den.*, 1995, 15:113.

McGuire MK. Soft Tissue Augmentation on Previously Restored Root Surfaces. *Int. J. Perio. and Rest. Dent.*, 1996, 16(6):570-581.

McGuire MK, Miller L. Maintaining Restorations in the Periodontal Practice. *Int. J. Perio. and Rest. Dent.*, 1996, 3:230-239.

**AAP Clinical Research Award 1997. The most clinically relevant study published that year.**

**McGuire MK, Nunn ME. Prognosis Versus Actual Outcome, II. The Effect of Individual Prognostic Indicators in Developing a Prognosis. J Periodontol, 1996, 67:666-674.**

**AAP Clinical Research Award 1997. The most clinically relevant study published that year.**  
**McGuire MK, Nunn ME. Prognosis Versus Actual Outcome III. The Effectiveness of Clinical Parameters in Accurately Predicting Tooth Survival. J Periodontol, 1996, 67:666-674.**

Newman MG, McGuire MK, Klokkevold PR. Minimizing Regenerative Procedure Complications and Improving Outcomes of Therapy. Journal De Parodontologie (France), 1995.

Jeffcoat MK, McGuire MK, Newman MG. Evidence-Based Periodontal Treatment. Highlights for the 1996 World Workshop in Periodontics. J.A.D.A., 6:1997.

Wilson TG, McGuire MK, Greenstein G, Nunn ME. A Five Year Retrospective Study on the Effectiveness of Acticite. J Periodontol, 1997, 68:1029-1032.

Levine RA, McGuire MK. The Diagnosis and Treatment of the Gummy Smile. Compendium of Continuing Education in Dentistry, August 1997, 28(8)757-764.

McGuire MK, Nunn ME. Prognosis versus Actual Outcome IV. The Effectiveness of Commonly Taught Clinical Parameters and IL-1 Genotype in Accurately Predicting Prognosis and Tooth Survival. J. Periodontol, 1999; 70:49-56.

Ishikawa I, McGuire MK, Mealey B, Blieden TM, Douglass GL, Nevins M, Pini Prato GP, Polson AM, Schallhorn RG, Hallmon WW, Wennstrom JL. Annals of Periodontology Dec 1999;4:1, 101.

McGuire MK, Prognosis vs. Outcome. Predicting Tooth Survival. Compendium, 2000, 21:217-230.

Terry DA, McGuire MK. The Perio-Aesthetic-Restorative Approach for Anterior Reconstruction-Part 1: Evaluation and Periodontal Surgery. Pract Proced Aesthet Dent 2002; 14 (4) 283-329.

Nunn ME and McGuire MK. Determination of Periodontal Prognostic Indicators Based on Multivariate Survival Trees. J Dent Res 2001;81:2756.

Terry D, McGuire M, McLaren E, Fulton R, Swift E. Perioesthetic Approach to the Diagnosis and Treatment of Carious and Noncarious Cervical Lesions: Part I. J Esthet Restor Dent 15:193-208, 2003.

McGuire MK, Cochran D. Evaluation of Human Recession Defects Treated with Coronally Advanced Flaps and Either Enamel Matrix Derivative or Connective Tissue. I. Comparison of Clinical Parameters. J Periodontol 2003; 74:1110-1125.

McGuire MK, Nunn ME. Evaluation of Human Recession Defects Treated with Coronally Advanced Flaps and Either Enamel Matrix Derivative or Connective Tissue. II. Histological Evaluation. J Periodontol 2003; 74:1126-1135.

Croft LK, Nunn ME, Crawford LC, Holbrook TE, McGuire MK, Kerger MM, Zacek GA. Patient Preference for Ultrasonic or Hand Instruments in Periodontal Maintenance. *Int J Periodontics Restorative Dent* 2003; 23:567-573.

Hovey LR, Jones A, McGuire MK, Mellonig J, Schoufield J, Cochran, D L. Application of Periodontal Tissue Engineering Using Enamel Matrix Protein and Living Cells to Stimulate Periodontal Wound Healing in Class III Furcation Defects. *J Periodontol* 2006;77:790-799.

McGuire MK, Nunn ME, Evaluation of the Safety and Efficacy of Periodontal Applications of a Living Tissue Engineered Human Fibroblast-Derived Dermal Substitute. I. Comparison to the Gingival Autograft: A Randomized, Controlled Pilot Study. *J Periodontol* 2005; 76: 867-880.

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**AAP Robinson Regeneration Award 2017. Cochran DL, Oh TJ, Mills MP, Clem DS, McClain PK, Schallhorn RA, McGuire MK, Scheyer ET, Giannobile WV, Reddy MS, Abou-Arrej RV, Vassilopoulos PJ, Genco RJ, Geurs NC, Takemura A. "A randomized Clinical Trial Evaluating rh-FGF-2/ $\beta$ -TCP in Periodontal Defects." *Journal of Dental Research* 2016; vol.95(5):523-530. DOI: 10.1177.**

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## **PUBLICATIONS IN PRESS**

Barwacz CA, Stanford CM, Diehl UA, Qian F, Cooper LF, Feine J, McGuire MK, Scheyer ET. "Pink Esthetic Score Outcomes Around Three Implant-Abutment Configurations: 3-Year Results." *COIR* In-Press.

## **PUBLICATIONS IN PROGRESS**

Cooper L, Stanford C, Feine J, McGuire MK, Scheyer ET. Prospective, Comparative Assessment of Single-Tooth Replacement by Different Implant Abutment-Interface Designs. Protocol Development.

Scheyer ET, McGuire MK. "An open label, non randomized, single arm, multi-center study to assess sinus augmentation (sinus lift) utilizing INFUSE® Bone Graft concurrent with dental implant placement." In Press.

McGuire MK, Scheyer ET. "A study to Determine the Safety and Efficacy of Flapless Crown Lengthening with Osseous Resection Performed with an Er:YAG Laser". Protocol available.

Scheyer ET, McGuire MK. A Multicenter Trial. "Clinical Analysis of a Biomimetic Implant System: Five year Survival rates, Marginal Bone Level Changes, and Soft Tissue Aesthetics."

McGuire MK, Scheyer ET, et. al. "A Randomized, Double-Blind, Controlled, Multi-Center Dose Verification Clinical Trial to Evaluate the Safety and Effectiveness of GUIDOR® Growth Factor Enhanced Bone Graft Substitute for the Treatment of periodontal Defects 6-Months Post-Surgery."

Scheyer ET, McGuire MK, et. al. "A Prospective Multicenter Case Controlled Clinical Series with Direct Measure and Histological Evaluation Comparing Geistlich Bio-Oss Collagen® + Geistlich Bio-Gide® and Oragraft DGC® + BioMend Extend® for Posterior Buccal Dehiscence Extraction Site Ridge Preservation."

McGuire MK, Scheyer ET, et. al. "Evaluation of Perio Patch in Periodontal Practices."

Scheyer ET, McGuire MK. "Evaluation of a Novel Stent Design: A Pilot Case Series".

## **PUBLICATIONS**

McGuire MK. Opening Session Remarks. PDM, AAP, Chicago, IL. 1994, 1-2, 25-26.

McGuire MK. Pre-Restorative Periodontics. PDM, AAP, Chicago, IL. 1994, 371-374.

McGuire MK. An Interdisciplinary Approach to the Restoration of the Interproximal Papilla.

Periodontal Insights, October 1995, 3-6.

McGuire MK. Restoring Class V Caries or Defective Restorations with Soft Tissue Autographs. "Clinical Excellence" Dental Economics, 1995, 85:68-69.

McGuire MK. Meet Incoming Academy President Michael K. McGuire. AAP News 2000; November/December:3.

McGuire MK. What a Difference a Few Years Can Make. AAP News 2001; January/February: 3.

McGuire MK. We Are Listening. AAP News 2001; March/April:3.

McGuire MK. It Is an Opportunity You Don't Want to Miss. AAP News 2001; May/June:3.

McGuire MK. Each One Teach One. AAP News 2001; July/August: 3.

McGuire MK. Farewell Interview with AAP President Dr. Michael McGuire. AAP News 2001; September/October: 3.

McGuire MK. Periodontics: The Odyssey Continues. Am J Orthod Dentofacial Orthop 2001; 120:232-4.

McGuire MK. Periodontal Plastic Surgery: Diagnosis and Treatment. J. Greater Houston Dental Society 2001;12:18-23.

McGuire MK. Periodontal Plastic Surgery: Crown Lengthening. J. Greater Houston Dental Society 2002;1:18-24.

McGuire MK. Periodontal Plastic Surgery: Alveolar Ridge Preservation and Augmentation. J. Greater Houston Dental Society 2002;2:17-23.

McGuire MK. Periodontal Plastic Surgery: Root Coverage Grafts. J. Greater Houston Dental Society 2002;3:16-19.

McGuire MK. Periodontal Plastic Surgery: Correction of the Open Interproximal Space. J. Greater Houston Dental Society 2002 4:16-19.

McGuire MK. Tissue Engineering – Rewriting the Rules of Regeneration. Int J Oral Max Implants. 2003;18:327-328.

McGuire MK, Scheyer ET. A Referral-Based Periodontal Practice – Yesterday, Today and Tomorrow. J. Periodontal 2003;74:1542-1544.

McGuire MK. Applying the AAP's Vision to your Practice. AAP News 2004:April-June:15.

McGuire MK, Tatakis DN, Chambrone L, Allen EP, Langer B, Richardson CR, Zabalegui I, Zadeh HH. Periodontal Soft Tissue Root Coverage Procedures: A Consensus Report From the AAP Regeneration Workshop. J Periodontol 2015;86(2):52-55.

## **TEXTBOOKS AND CHAPTERS**

McGuire MK. Mild Chronic Adult Periodontitis. Advances in Periodontics. Wilson, Kornman, Newman Editors. 1991,9:124-143

McGuire MK, Newman MG, Whitley N. Evidence-Based Periodontal Regenerative Therapy. Current Opinion in Periodontology. Third Edition, 1996,3:109-117.

McGuire MK. Restorative - Periodontal Interrelationships, Chapter 67. Glickman's Clinical Periodontology, Eighth Edition,1995,723-742. W. B. Saunders Co.

McGuire MK, Rosling B. Nonsurgical Therapy, Chapter 18. Fundamentals of Periodontics. Wilson, Kornman Editors. 1996,10-24. Quintessence, Chicago.

McGuire MK. Periodontal Plastic Surgery. Dental Clinics of North America. Vol. 43 No. 2: 411-465, July 1998. W. B. Saunders Co.

McGuire MK. The Impact of Periodontal Health - An Innovative Approach to New Health Science. There Are No Facts About the Future - Here Is What We Know. Lion Foundation for Dental Health. Ishiyaku. Tokyo, Japan, 2004.

McGuire MK. Tissue Engineering – Soft Tissue Applications in Dentistry. Tissue engineering: applications in maxillofacial surgery and periodontics. Quintessence. 2nd Edition.

McGuire MK. Degeneration of Keratinized Tissue. Clinical Research Guidelines. Osteology Foundation 2014.

## **CLINICAL INVESTIGATOR PARTICIPATING IN THE FOLLOWING STUDIES IN WHICH HE WAS NOT LISTED AS AN AUTHOR:**

Dr. McGuire has served as investigator or principal investigator in more than 15 studies, 6 of which were multicenter trials that used his private practice as the center.

Kornman K, et al. Clinical and Microbiological Patterns of Adults with Periodontitis. *J Periodontol*, 1991, 62:634-642.

Newman M, Kornman K, Doherty F. A Six-Month Multicenter Evaluation of Adjunctive Tetracycline Fiber Therapy Used in Conjunction with Scaling and Root Planing in Maintenance Patients: Clinical Results. *J Periodontol*, 1994, 65:685-691.

Kornman K, Newman M, Moore DJ, Singer RE. The Influence of Supragingival Plaque Controlling Clinical and Microbial Outcomes Following the Use of Antibiotics for the Treatment of Periodontitis. *J Periodontol*, 1994, 65:848-854.


Kornman K, Newman M. Host Factor Relationships in Periodontal Regenerative Therapy. *Oral Science Technologies*, 1996.

Stanbaugh R, et al. Endoscopically Aided Instrumentation of the Subgingival Root Surface in Periodontal Therapy.

Ora-Pharma – A Pilot Study of the Clinical Applicability of the Minocycline Periodontal Therapeutics System When Used Adjunctly with Scaling and Root Planing for the Treatment of Nonresponding Periodontal Sites, 2000-2001.

A Randomized Double-blind Controlled, Parallel-Arm, Pivotal Human Clinical Trial to Evaluate the Safety and Effectiveness of a B-TCP Plus for the Treatment of Periodontal Bone Defects. *BioMimetic Pharmaceuticals*, 2002-2003.

## **AUDIO/VIDEO NEWS RELEASES**

- |      |   |
|------|---|
| 1994 | New Methods for Proper Dental Care. Interview with Michael McGuire, KUHF  |
| 1994 | Report on Slow Release Antibiotics. Interview with Dr. McGuire, KUHF  |
| 1998 | “Channel 11 Health Watch” – Cosmetic Periodontal Therapy.   |
| 2000 | “Today’s Health” – Genetics and Periodontal Disease.  |
| 2000 |  “National Children’s Dental Health Month” – Periodontal Disease and Children. |
| 2001 | “The Painless Dentist” – Discovery Health Network. Tissue Engineering.  |
| 2001 | AAP Presidential Address by Michael K. McGuire.   |
| 2004 | “Grow Your Own Facelift”. Thirty minutes. Bay Area.   |

## **VIDEOSURGERIES**

- 2000 Smile Development: Soft Tissue Augmentation Adjacent to Previously Restored Root Surfaces. Patient I. Orbis Communications.
- 2000 Smile Development: Soft Tissue Augmentation Adjacent to Previously Restored Root Surfaces. Patient II. Orbis Communications.
- 2000 Staged Perio Plastic Surgery: Three Consecutive surgeries consisting of root coverage grafts and ridge augmentations adjacent to previously restored root surfaces on (Patient #), AAP 86th Annual Meeting.
- 2006 Hard Tissue Regeneration Using rhPDGF, Osteohealth.
- 2006 Soft Tissue Regeneration Using rhPDGF, Osteohealth.
- 2007 CelTex Training Video, Organogenesis.
- 2009 Supplementary video to online J Periodontol. A pilot study to evaluate a tissue-engineered bilayered cell therapy.
- 2010 Mucograft Root Coverage technique video.
- 2010 Membragel technique video.
- 2017 Touch Surgery, Connective tissue graft – virtual surgery

## **WEB-BASED INVITED LECTURES**

- 2008 American Academy of Periodontology Inaugural web-based C.E. event.  
Compromised Teeth in the Esthetic Zone: Retain or Extract?



## **INVITED LECTURES**





- 1980 Orthodontic and Periodontal Considerations, West Houston Orthodontic Study Club.
- 1981 The Free Gingival Graft, Houston District Dental Society.
- 1981 Periodontal Diagnosis, Houston Hygiene Society, Houston, Texas.
- 1984 Update on Periodontal Theories and Therapies, University of Texas Dental Branch at San Antonio, San Antonio, Texas.
- 1985 Orthodontic Patients with Periodontal Problems, Houston Hygiene Society, Houston, Texas.
- 1986 What's New in Periodontics, A.G.D., Austin, Texas.
- 1986 How and Why to Become Board Certified, American Academy of Periodontology Annual Meeting, Cleveland, Ohio.
- 1987 A Retrospective Look at Periodontal Case Management, Southwest Society of Periodontics, Dallas, Texas.
- 1987 The Recognition and Management of Patients with Periodontal Problems in the General Practice, Oklahoma State Dental Meeting, Tulsa, Oklahoma,
- 1987 Surgery in Periodontics, Texas Dental Association Meeting, San Antonio, Texas.
- 1987 Longitudinal Management of Periodontal Maintenance Patients. A presentation to the periodontal residents and faculty at the University of Texas at San Antonio, San Antonio, Texas.
- 1988 A Simplified Approach to the Management of Periodontal Patients in the General Practice. The Greater Houston Dental Meeting, Houston, Texas.
- 1988 Periodontics - On the Verge of a New Era. TDA State Dental Meeting, San Antonio, Texas.
- 1988 Periodontal Surgery - Osseous Resection, Regeneration and Reconstruction. TDA State Dental Meeting, San Antonio, Texas.
- 1988 The Biologic Width - The Boundary Between Success and Failure. Baytown Study Club, Baytown, Texas.



- 1988 AGD Periodontal Update. Diagnosis, Nonsurgical Treatment and Surgery. Houston, Texas.
- 1988 Presentation to the Houston District Dental Hygienists' Society on Periodontics. September Houston, Texas
- 1988 Case presentation to the graduate students and periodontal faculty UTDB, San Antonio, Texas. September.
- 1988 "Coverage of the Denuded Root Using a Free Soft Tissue Autograft." Table Clinic at the Southwest Society of Orthodontists Meeting. September.
- 1989 Periodontal Pearl. Greater Houston Dental Meeting, Houston, Texas. March.
- 1989 New Age Periodontics. Texas State Dental Meeting, San Antonio, Texas. May.
- 1989 Table Clinic, TDA Annual Sessions, San Antonio, Texas.
- 1990 1990 - The Beginning of a New Decade in Periodontics. Baylor University School of Dentistry, Dallas, Texas.
- 1990 The Benefit Oriented Approach to Periodontics for the Dental Team. Fourth Annual ADA Young Professionals Conference, Chicago, Illinois.
- 1991 Prognosis in Periodontics. UTHSC at Houston Dental Branch, Houston, Texas.
- 1991 Presentation to the Texas State Board of Dental Examiners on Periodontics.
- 1991 Periodontics - The Benefit Oriented Approach to Success. UT Dental Branch-Houston Homecoming, Houston, Texas.
- 1991 A Benefit-Oriented Approach to periodontics for the General Dental Team. Dr. Michael K. McGuire, Greater Houston Dental Meeting.
- 1991 - 92 Southwest Society of Periodontics Regional Professional Partnership Programs. Presented in Midland, Texas, Tulsa, Oklahoma and Lafayette, Louisiana.
- 1992 Smile Through Periodontics. American Academy of Cosmetic Dentistry, Palm Springs, California.
- 1992 Cosmetic Periodontal Therapy. Sixth Annual ADA Young Professionals Conference, San Francisco, California.
- 1992 Advances in Implant Dentistry. University of Texas Dental Branch in San Antonio.
- 1992 Periodontal Prognosis. University of Texas Dental Branch in San Antonio.
- 1992 Management of Recalls. AAP Annual Meeting, Orlando, Florida.
- 1992 PSR 10th District Dental Society, Austin, Texas.
- 1993 Periodontally Enhanced Cosmetic Dentistry. Northwest District, Florida Dental Association, Pensacola, Florida.
- 1993 Periodontally Enhanced Cosmetic Dentistry. Central Texas Academy of General Dentistry, Austin, Texas.
- 1993 Ortho and Perio Interrelationships. University of Texas Health Science Center, Dental Branch of Houston, Houston, Texas.
- 1993 Periodontally Enhanced Cosmetic Dentistry. Beverly Bane Memorial Lecture, TDA Annual Session, San Antonio, Texas.
- 1993 Prerestorative Periodontics. AAP Periodontal Disease Management Conference, Boston, Massachusetts.
- 1993 Periodontal Smile Enhancement - How and Why. AAP Annual Meeting, Chicago, Illinois.
- 1994 Periodontics in General Dentistry. Woehler Research Group, Tampa, Florida.
- 1994 Periodontal Cosmetic Surgery, Waco, Texas.
- 1994 Periodontal Smile Enhancement - Why and How. The University of Michigan.
- 1994 Evidence-Based Treatment Approach: Successful Regenerative Outcomes. Toronto, Canada.


- 1994 The Role of Allografts in Successful Guided Tissue Regeneration. AAP Annual Meeting, San Francisco, California.
- 1994 Prognosis - An Update. UTSA, Dept. of Periodontics, San Antonio, Texas
- 1994 Perio Smile Enhancement. Ontario Society of Periodontology, Toronto, Ontario, Canada.
- 1995 Perio Restorative Relationships. S. W. Academy of Restorative Dentistry, Dallas, Texas.
- 1995 Risk Factors & Treatment Strategies for the Management of the Periodontal Pocket.
- 1995 The Fifth International Symposium on Periodontics and Restorative Dentistry, Boston, Massachusetts.
- 1995 Success Is Not Technique - No Matter How Good. AAP Conference on Esthetics and Regeneration, Dallas, Texas.
- 1995 Enhancing Outcomes with Innovation, North Sea Conference on Periodontology. (Conference Pre-meeting), Goteborg, Sweden.
- 1995 Evidence-Based Treatment Approach: Successful Regenerative Outcomes. Frankfurt, Germany.
- 1995 Periodontal Plastic Surgery. University of Monterrey School of Dentistry, Monterrey, Mexico.
- 1995 Enhancing Restorative Outcomes with Periodontal Plastic Surgery. AAP Annual Meeting, New York, New York.
- 1995 Periodontal Prognosis. University of Texas Health Science Center at San Antonio, San Antonio, Texas.
- 1995 Regeneration of Intrabony Defects: The Evidence-Based Approach. Spanish Society of Periodontics, Madrid, Spain.
- 1995 Preprosthetic Surgery and Esthetics in Periodontics. UCLA 6th Annual Conference on Periodontal Surgery, Los Angeles, California.
- 1995 Regeneration of Periodontal Defects - The Evidence-Based Approach. French Society of Periodontology, Paris, France.
- 1995 Enhancing the Smile through Preprosthetic Periodontics. Lone Star Conference. Texas Academy of General Dentistry, Austin, Texas.
- 1996 Enhancing Regenerative Outcomes. California Society of Periodontists Annual Meeting, Pasadena, California.
- 1996 Moving Your Practice Beyond the Competition. AAP Conference "For Young Periodontists", San Francisco, California.
- 1996 Evidence-Based Periodontics. Tokyo, Japan.
- 1996 Increasing Consumer Awareness and Practice Opportunities Through Advertising and Marketing. AAP Annual Meeting, New Orleans, Louisiana.
- 1996 Periodontal Plastic Surgery Update. Greater Houston Dental Society, Houston, Texas.
- 1996 Achieving the Full Potential of Regenerative Therapy. University of Texas Dental
- 1996 Mucogingival Surgery. University of Texas Health Science Center at San Antonio. 1997 . Columbine Periodontal Study Group, Denver, Colorado.
- 1997 Enhancing Restorative Outcomes with Periodontal Plastic Surgery, Ontario Dental Association Spring Meeting, Toronto, Canada.
- 1997 Strategies for Success Presented by the Masters. AAP Young Periodontists Meeting, Orlando, Florida.
- 1997 Pre-Treatment Esthetic Evaluation for Teeth and Implants. AAP Regenerative Conference, Orlando, Florida.
- 1997 Enhancing Restorative Dentistry with Periodontal Plastic Surgery. Cannes International Dental Congress, Cannes, France.





- 1997 The Rationale for the Utilization of Resorbable Membranes in Periodontal Treatment. Cannes International Dental Congress, Cannes, France.
- 1997 Enhancing Restorative Outcomes with Periodontal Plastic Surgery. American Dental Association Annual Meeting, Washington, D.C.
- 1997 A Prescription for Change - Periodontic Plastic Surgery. New York University, Department of Implant Dentistry, New York, N. Y.
- 1997 Creating Restorative Opportunities with Periodontal Plastic Surgery. Greater Cincinnati Society of Periodontists, Cincinnati, Ohio.
- 1997 \* **AAP General Session. Integrating Prognostic Risk Factors into Treatment Planning and Patient Management. AAP Annual Meeting.**
- 1997 From the Personal to the Practical, Naples, Florida.
- 1997 Periodontal Plastic Surgery. St. Louis Society of Periodontists, St. Louis, Missouri.
- 1998 Esthetic Periodontal Surgery. Utah Dental Association Annual Meeting.
- 1998 Creating Restorative Opportunities through Periodontal Plastic Surgery. Sacramento, California Dental Society, (April), Sacramento, California.
- 1998 Periodontal Plastic Surgery. Kansas Society of Periodontists (May).
- 1998 Periodontal Plastic Surgery. Florida Dental Association (June).
- 1998 Risk Factors for Periodontal Disease Progression. IADR, Nice, France.
- 1998 Creating Restorative Opportunities through Periodontal Plastic Surgery. Oregon Society of Periodontists Seminar by the Sea (July).
- 1998 Long Island Academy of Periodontics, Long Island, New York.
- 1998  **General Session. Periodontics in the Next Millenium. AAP Annual Meeting. Boston, Massachusetts.**
- 1998 Creating Restorative Opportunities through Periodontal Plastic Surgery. Edmonton Dental Society, Alberta, Canada.
- 1999 Creating Restorative Opportunities through Periodontal Plastic Surgery. St. Clair Dental Society, St.Clair, Illinois.
- 1999 Creating Restorative Opportunities through Periodontal Plastic Surgery. Dallas Mid-Winter Dental Clinic, Dallas, Texas.
- 1999 Maintenance. U.T.S.A. Department of Periodontics, San Antonio, Texas.
- 1999 Outcome Evaluation in Periodontal Therapy. Italian Society of Periodontology International Congress, Milan, Italy.
- 1999 Periodontal Medicine in the Next Millennium. Implications for Clinical Practice. Harvard School of Dental Medicine, Boston, Massachusetts.
- 1999 Increasing Restorative Opportunities in your Practice through the Incorporation of Periodontal Plastic Surgery. 16th International Quintessence Symposium, Tampa, Florida.
- 1999 Improving the Smile Line Through Esthetic Periodontal Surgery. AAP Annual Meeting, San Antonio, Texas.
- 1999 Increasing Restorative Opportunities in your Practice through the Incorporation of Periodontal Plastic Surgery. AGD Annual Meeting, Salt Lake City, Utah.
- 1999 Decision Making in Periodontics. University of Zurich, Zurich, Switzerland.
- 1999 Creating Restorative Opportunities through Periodontal Plastic Surgery. Columbus Dental Society, Columbus, Ohio.
- 1999 Periodontal Plastic Surgery. Sarasota Study Club, Sarasota, Florida.
- 1999 Improving the Smile Line through Esthetic Periodontal Surgery. Tulsa Dental Society.




- 2000 \* **AAP General Sessions Presents a Topic of General Interest in a Multinational Style by Today's Most Respected Speakers.**
- 2000 Periodontal Plastic Surgery. Austin Dental Society, Austin, Texas
- 2000 Periodontal Plastic Surgery, Tampa, Florida.
- 2000 Tissue Engineering: Regenerative Options for Covering Denuded Root Surfaces. 7<sup>th</sup> International Symposium on Periodontics and Restorative Dentistry, Boston, Massachusetts.
- 2000 Soft Tissue Engineering. Europerio Meeting, Geneva, Switzerland.
- 2000 Soft Tissue Augmentation Adjacent to Previously Restored Teeth. AAP Annual Meeting, Special Video Session, Honolulu, Hawaii.
- 2000 Strategies for Success. Vision to Reality. AAP Annual Meeting, Maui, Hawaii.
- 2001 Creating Restorative Opportunities Through Periodontal Plastic Surgery. Greater Houston Dental Society, Houston, Texas.
- 2001  **General Session. Tissue Engineering in Periodontics – The Next Step in Therapeutics. AAP Annual Meeting, Philadelphia, Pennsylvania.**
- 2001 Soft Tissue Augmentation. Massachusetts Periodontal Society.
- 2001 Periodontal Plastic Surgery. Houston AGD, Houston, Texas.
- 2001  **General Session. Overview of Current Dental Trends, AAP Annual Meeting.**
- 2002 Plastic and Reconstructive Surgery. Pan American Association of Periodontology, Caracas, Venezuela.
- 2002 Tissue Engineering – Applications in Dentistry. Academy of Osseointegration, Dallas, Texas.
- 2002 Periodontal Plastic Surgery. Newport Harbor Academy of Dentistry, Newport, California.
- 2002 Cultured Tissue and the Use of Root Biomodification. AAP Specialty Conference, Chicago, Illinois.
- 2002 Calibration Session. Advanced Tissue Science Multicenter Clinical Trial. Houston, TX.
- 2002 Early Loading. Westchase Implant Study Club. Houston, TX.
- 2002 Tissue Engineering, 1st International Congress. Copenhagen, Denmark.
- 2002 Periodontal Plastic Surgery. Gothenburg Dental School, Dept. of Periodontics. Gothenburg, Sweden.
- 2002 Coronally Advanced Flaps Plus Enamel Matrix Derivative Versus Connective Tissue Grafts. Biora Scientific Advisory Group. Copenhagen, Denmark.
- 2002 Tissue Engineered Devices for Periodontal Indication. Presentation to Federal Drug Administration. Washington, D.C.
- 2002 Multidisciplinary Therapy. UCLA Symposium. Kona Coast, Hawaii.
- 2002 Periodontal Plastic Surgery Smile Design. AAP Annual Meeting. New Orleans, LA.
- 2002  **General Session. Tomorrow Starts Today: A Vision for Periodontics in 2020. AAP Annual Meeting. New Orleans, LA.**
- 2003 Use of Stints and Cross-sectional Radiography in Implant Therapy. Perio Health Implant Study Group, Houston, TX.
- 2003 Periodontal Plastic Surgery. North Carolina Society of Periodontics, Greensboro, North Carolina.
- 2003 Tissue Engineering. American Academy of Restorative Dentistry, Chicago, IL.
- 2003 Applications of Tissue Engineering in Periodontics. Midwest Society of Periodontology Annual Meeting. Chicago, IL.
- 2003 Tissue Engineering. University of Texas Health Science Center at San Antonio.
- 2003 Macroesthetic Elements of Smile Design. Orange County Study Group, Santa Barbara, CA.
- 2003 Periodontal Regeneration, Future Directions. Europerio 4, Berlin, Germany.

- 2003 Surgical Designs for Crown Lengthening. AAP Annual Meeting. San Francisco, CA.
- 2003  **General Session. Vision to Reality: Are You Ready for the Future? AAP Annual Meeting. San Francisco, CA.**
- 2003 Periodontal Repair and Regeneration. Australian and New Zealand Academy of Periodontics. Sidney, Australia.
- 2004 Ohio Academy of Periodontology. Tissue Engineering. Cleveland, OH.
- 2004 Delaware Dental Association. Oral Plastic Surgery.
- 2004 New York Academy of Dentistry, New York City. Oral Plastic Surgery.
- 2004 Dutch Society of Periodontology. Amsterdam. Tissue Engineering.
- 2004 NYU Alumni Program. New York City. The Future of Periodontics.
- 2004 UTSA Lecture to Perio Residents.
- 2004 AAP, Quintessence Meeting. Boston, MA. Tissue Engineering.
- 2004 AAP Annual Meeting. Orlando, FL. Oral Plastic Surgery.
- 2004  **General Session. AAP Annual Meeting. Orlando, FL. Tissue Engineering in Periodontics: Emerging Clinical applications for hard and soft tissue regeneration.**
- 2004 AAP Annual Meeting. Orlando, FL. Facing the Future with Evidence and Vision.
- 2004 French Society of Periodontology. Paris, France. Tissue Engineering.
- 2005 University of Michigan, Ann Arbor, MI. Oral Plastic Surgery.
- 2005 UTSA Lecture to Residents. San Antonio, TX. Oral Plastic Surgery and Tissue Engineering.
- 2005 LSU Center of Excellence, New Orleans, LA. COBRE Series. Live Cell Applications in Periodontics.
- 2005 LSU Dental School, New Orleans, LA. Lecture to Periodontal and Prosthodontic Residents. Macroesthetic Guidelines. San Antonio.
- 2005 Southwest Society of Periodontology, TX. Oral Plastic Surgery and Tissue Engineering.
- 2005 AAP Annual Meeting. Denver, Colorado. Soft Tissue Augmentation to Enhance the Pontic Site.
- 2005 AAP Annual Meeting. Denver, Colorado. Publishing Pitfalls and Progress: An Author's Perspective.
- 2005 AAP Annual Meeting. Denver, Colorado. Treatment of Recession Defects With Coronally Advanced Flaps and Emdogain®.
- 2005 AAP Annual Meeting. Denver, Colorado. rhPDGF+BB+BTCP to Treat Intrabony Defects.
- 2006 Long Island Study Group, New York, NY. Advanced Oral Plastic Surgery.
- 2006 Ivy League Bone Symposium, Philadelphia, PA. Live Cell Technology in the Oral Environment.
- 2006 Dynamic Cellular Delivery System, Phoenix, AZ.
- 2006 Next Big Idea, Sedona, AZ.
- 2006 Canadian Dental Association. Toronto, Canada. Oral Plastic Surgery.
- 2006 Southern Academy of Periodontology, Atlanta, GA. Live Cell Application in Periodontics.
- 2006 ITI North American Congress. Miami, FL. Tissue Engineering.
- 2006 Europerio V. Madrid, Spain. Augmenting the Papilla with Autologous Fibroblasts.
- 2006 AAP Annual Meeting. San Diego, CA. Advanced Plastic Surgery in the Anterior Region.
- 2006 AAP Annual Meeting. San Diego, CA. Experience Is the Name I Give My Failures.
- 2006 AAP Annual Meeting. San Diego, CA. Annual Student Event Speaker.
- 2006 AAP Annual Meeting. San Diego, CA. Next Big Idea.
- 2006 AAP Annual Meeting. San Diego, CA. Interactive Session Advocate for Regeneration with Growth Factors.
- 2006 AAP Annual Meeting. San Diego, CA. BioSurgery.

- 2006 ADA Annual Meeting. Las Vegas, NV. Two-day Esthetics Hands-on Workshop.
- 2006 Iberio Pan American Academy of Periodontology Annual Meeting. Puerto Rico. Tissue Engineering – Future Applications and MacroEsthetic Elements of Smile Design.
- 2006 Organogenesis Investigators Meeting, Houston, TX.
- 2006 Solutions for the Open Interproximal Space and other Esthetic Dilemmas. Houston, TX.
- 2006 Advanced Perio Plastic Surgery. A Mixture of Art and Science. Chicago, IL.
- 2007 Tissue Engineering. Tokyo, Japan.
- 2007 MacroEsthetic Elements of Smile Design. Puerto Rico Dental Meeting.
- 2007 Live Cell Therapy in Regenerative Care. ITI World Symposium, New York, NY.
- 2007 AAP Quintessence Meeting. Boston, MA. Tissue Engineering – Soft Tissue Application.
- 2007 UCLA Hawaii Lecture. Kauai, Hawaii. Macroesthetic Elements of Smile Design.
- 2007 Tissue Regeneration Rewriting the rules of Regeneration. South African Periodontal Society. Sun City, South Africa.
- 2007 Keynote Address 50th Anniversary Meeting of Japanese Society of Periodontists. Toyko, Japan.
- 2007  **General Session. AAP Annual Meeting. Washington, DC. Periodontal Inflammation and its Consequences.**
- 2007 AAP Annual Meeting. Washington, DC. Fibroblasts New Horizons in Periodontal Regeneration.
- 2007 Workshop on Advanced Esthetic Crown Lengthening and Workshop of Provisionalization of Implants in the Esthetic Zone. Perio Health Learning Center. Houston, TX.
- 2007 Columbine Study Group. Denver, CO. Periodontal Regenerative Therapy. A Mixture of Art and Science.
- 2007 The Future of Periodontal Regeneration. The International Isthmus Dental Conference. Panama City, Panama.
- 2008 Soft Tissue Engineering. The First International Bone Symposium. Las Vegas, NV.
- 2008 Tissue Engineered Solutions for Soft Tissue Defects. American Prosthodontic Society. Chicago Mid-winter Meeting. Chicago, IL.
- 2008 Update on Live Cell Therapy. University of Texas Health Science Center. San Antonio, TX.
- 2008 BioSurgery. Ontario Society of Periodontology. Toronto, Canada.
- 2008 Periodontal Therapy and Maintenance Care Lecture to Japanese Study Group at the Perio Health Learning Center. Houston, TX.
- 2008 Tissue Engineered Solutions for Esthetic Dilemmas. American Academy of Periodontology Annual Meeting. Seattle, WA.
- 2008 Mucograft Applications in Periodontal Plastic Surgery, Paris, France.
- 2008 AGD Update on Periodontics. Houston, TX.
- 2009 Soft Tissue Grafting: Before or After Ortho and What are the Predictors for Recession During Non-Extraction Ortho Treatment? AAP/AAO Specialty Conference. Orlando, FL.
- 2009 George Costlet Distinguished Lecturer – University of Pennsylvania. The future of periodontal regeneration, Philadelphia, PA.
- 2009 6th World Congress of the International Federation of Esthetic Dentistry, Las Vegas, NV. Smile Engineering.
- 2009 AAP Annual Meeting, Boston, MA. Practical applications of growth factors and cell based therapies.
- 2009 ADA Annual Meeting, Honolulu, Hawaii. Improving the macroesthetic elements of the smile.
- 2009 Jack Winston Lecture. UT Dental Branch, Houston, TX. Perioesthetics.
- 2009 Firenze Study Club, Florence, Italy. Update on tissue-engineering in periodontics.

- 2010 Perio Health Institute Japan. Advanced continuing education in Periodontics and implantology. Toyko, Japan.
- 2010 Computer Guided Implant surgery. Houston, TX.
- 2010 There are no facts about the future, but here is what we know. Creighton University Periodontal Symposium. Omaha, NE.
- 2010 Tissue Engineering – Hard and soft tissue regeneration. North Eastern Society of Periodontology. New York, NY.
- 2010 Tissue Engineering. Florida Association of Periodontics. Tampa, FL. Biosurgery – using bioactive molecules and living cells to facilitate hard and soft tissue regeneration.
- 2010 Academy of Osseointegration Annual Meeting, Orlando, FL. Soft tissue biologics.
- 2010 Tokyo Medical and Dental University. Tokyo, Japan. Using bioactive molecules and living cellular constructs to facilitate hard and soft tissue regeneration.
- 2010 Perio Health Institute Japan Lectures. Houston, TX.
- Comprehensive Periodontal Examination
  - Importance of 3D Analysis in Implant Dentistry
  - Non-Surgical Periodontal Therapy/Reevaluation/Antibiotics/Chemotherapeutics
  - Implant Supported Provisional Restoration
  - Resective Periodontal Surgery
  - Extraction and Socket Preservation
  - Mucogingival Surgery
  - Basic Implant Therapy
- 2010 Arthur H. Merrit Memorial Lecture, Dallas, TX.
- 2010 10th International Symposium on Periodontics and Restorative Dentistry, Boston, MA. Advances in periodontal plastic surgery.
- 2010 Southern Academy of Periodontology, Asheville, NC. Biosurgery – Using bioactive molecules and living cells to facilitate hard and soft tissue regeneration.
- 2010 Berne University. Berne, Switzerland. An update on tissue engineering.
- 2010 AAP Annual Meeting. Honolulu, Hawaii. New techniques and technologies for soft tissue augmentation.
- 2010 European Academy of Osseointegration. Glasgow, Scotland. The dilemma of the compromised tooth in the esthetic zone – Treat or replace with an implant.
- 2010 Columbia University Implant Symposium. New York City, NY.
- 2011 AAP Specialty Conference. Chicago, IL. The restorative dentist/periodontists partnership – Achieving excellence together.
- 2011 California Society of Periodontists. Monterey, CA. Using bioactive molecules and living cells to facilitate hard and soft tissue regeneration.
- 2011 Regeneration using enamel matrix derivative. London, England.
- 2011 Regeneration using enamel matrix derivative. Amsterdam, Netherlands.
- 2011 Regeneration using enamel matrix derivative. Brussels, Belgium.
- 2011 Regeneration using enamel matrix derivative. Madrid, Spain.
- 2011 Computer Guided Implant Surgery, Houston, TX.
- 2011 Improving the Macro Esthetic Elements of the Smile. Jackson, MS
- 2011 Xenogenic Collagen Matrix Research Update, osteology Meeting. Cannes, France.
- 2011 Update on Implant Dentistry. UTHSC. San Antonio, TX.
- 2011 AAP Annual Meeting. Miami, FL.
- Clinical Outcomes of Treating Recession Defects with EMD

- Soft Tissue Augmentation: Point Counter Point
  -  **General Session. Impact of Risk Assessment on Diagnosis and Management of Periodontal Disease**
- 2012 Japanese Clinical Society of Periodontics. Tokyo, Japan, The Future of Regeneration.
- 2012 Clinical Research Update. Houston Society of Periodontology.
- 2012 The Dilemma of the Compromised Tooth in the Esthetic Zone. Treat or Extract. Italian Society of Osseointegration. Milan, Italy.
- 2012 Lecture to Navy Perio Residents. Bethesda. Maryland.
- 2012 Root Coverage with Enamel Matrix Derivative. Europerio. Vienna, Austria.
- 2012 Perio Health Institute Opening Lectures/Workshops. Tokyo, Japan.
- 2012 Perio Update. Houston Society of Endodontists. Houston, TX.
- 2012 Success is not Technique – No Matter How Good. AAP Annual Meeting. Los Angeles, CA.
- 2012 Novel Solutions for Natural Smiles. AAP Post Meeting Program. Laguna, CA.
- 2012 Perio Health Japan Lecture Series. Houston, TX.
- 2013 AAP/AAO Anterior Esthetic Crown Lengthening Guidelines Meeting in Palm Desert, California.
- 2013 Quintessence/AAP Meeting. Evidence Based Alternatives to Autogenous Tissue. Outcomes, Attachment, & Stability. Boston, MA.
- 2013 Perio Health Seminars. Update on Periodontics. Houston, TX.
- 2013 McGuire Institute, Corporate Partners Meeting. Houston, TX.
- 2013 AAP Annual Meeting. Philadelphia, PA
- Corporate Forum, Soft tissue grafting with Emdogain
  -  **General Session, Evidence Based Alternatives to Autogenous Tissue. Outcomes, Attachment, and Stability**
- 2013 Perio Health Seminars. Straumann Center for Excellence. Treating Recession defects.
- 2013 Houston Society of Periodontists. Update on Regenerative options.
- 2013 Advanced Education Program in Periodontics. Univ. of Minnesota
- 2014 Update on Soft Tissue Augmentation – Geistlich Meeting. LA, California.
- 2014 Clinical Research in a Private Practice Setting. Univ. of Maryland. Baltimore, Maryland.
- 2014 7<sup>th</sup> Annual Meeting of the Israeli Society of Periodontics and the Israeli Society of Prosthodontics. Tel Aviv, Israel
- Impact of Prognosis and risk assessment on treatment decisions.
  - Evidence Based Alternatives to Autogenous Tissue.
  - Incorporating change in your practice.
- 2014 Perio Health Seminars. Geistlich Course on Soft Tissue Grafting with Emphasis on Mucograft Lecture, Hands-On and Live Surgery.
- 2014 AAP/AAE/ACP Meeting. Impact of Prognosis and Risk Assessment on Treatment Decisions. Chicago, Illinois
- 2014 Iberio-Pan American Congress of Periodontics, Live-Cell Therapy and Biology's in Periodontics. Cartagena, Colombia.
- 2014 AAP Annual Meeting, San Francisco
- Geistlich Corporate Forum on Xenogenic Collagen Matrix
  - Anterior Esthetic Crown Lengthening.
- 2014 Perio Health Institute Japan. Tokyo, Japan
- 2015 Mucogingival Therapy. University of Texas Health Science Center, San Antonio.
- 2015 Perio Health Institute Japan. 3 Days of Lecture, Hands-On and Live Surgeries. Houston, Texas.
- 2015 Illinois Society of Periodontics , Full day lecture on regenerative medicine

- 2015 Ramfjord Visiting Professorship, University of Michigan
- 2015 Europerio – London, England.
-  **General Session, Evidence Based Alternatives to Autogenous Tissue.**
- 2015 AAP Annual Meeting. Orlando, Florida.
-  **General Session, AAP Workshop on Regeneration – Soft Tissue Augmentation.**
- 2016 Osteology Meeting. Monte Carlo. Presentation on soft tissue surgery to Geistlich Pharma
- 2016 Quintessence Meeting. Boston, MA. Surgical solutions for root coverage procedures: optimize your surgery.
- 2016 AAP Annual Meeting, San Diego.
-  **General Session, Emerging Technologies that take us Beyond Conventional Regenerative Strategies.**
- 2017 Southwest Society of Periodontology. Soft tissue grafting. Dallas, TX
- 2017 Perio Health Institute Japan 10<sup>th</sup> Anniversary meeting. Teeth for a lifetime: Impact of Risk Assessment and Prognosis on Treatment Decisions. Tokyo, Japan 2017 AAP Annual Meeting. Current Thoughts of Masters on Soft Tissue Grafting: Alternatives to Autogenous Tissue. Boston, MA.
- 2017 AAP Leadership Program (L.E.A.D.). Becoming an opinion leader: working effectively with industry to develop into leadership positions. Yorba Linda, CA.
- 2017 University of Texas Dental Branch of Houston Alumni Lecture, Periodontics. Houston, TX

## PRESENTATIONS IN PROGRESS

- 2018 National Osteology Foundation State of the Art Regenerative Therapies: Enhancing Success Around Teeth and Implants. Phoenix, AZ
- 2018 Perio Health Institute Japan. Advanced Course in Comprehensive Periodontics and Global Treatment Planning
- 2019 Quintessence/AAP Meeting. Boston, MA