

**JOHN R. ZUNIGA, DMD, MS, PhD**  
**CURRICULUM VITAE**

**OFFICE ADDRESS** University of Texas Southwestern Medical Center  
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Dallas, Texas 75390-9109

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**OFFICE FAX** 214-648-2918

**EMAIL** john.zuniga@utsouthwestern.edu

**HOME ADDRESS** 7031 Midbury Drive  
Dallas, Texas 75230

**CELL TELEPHONE** 919-423-8495

**EDUCATION** LeMoyne College, Syracuse, NY  
BS, Biology, 1975

Tufts University School of Dentistry, Boston, MA  
DMD, 1978

University of Rochester, Rochester, NY  
MS, Neuroscience, 1985

Neuroscience, University of Rochester, Rochester, NY  
PhD, Neuroscience, 1986

**RESIDENCY (1)** Residency Certificate - General Dental  
University of Rochester  
Strong Memorial Hospital, Rochester, NY  
1979

**RESIDENCY (2)** Residency Certificate - Oral and Maxillofacial Surgery  
University of Rochester  
Strong Memorial Hospital, Rochester, NY  
1986

**STATE LICENSES** New York, #092145-1, 1980-1990  
North Carolina, # 0046, 1986 - 2006  
Texas, # 22546, 2006 - Present

**BOARD CERTIFICATION** Diplomate, American Board of Oral and Maxillofacial Surgeons  
March 1988

## ACADEMIC APPOINTMENTS

Clinical Instructor in Dentistry, Department of Clinical Dentistry  
University of Rochester, Strong Memorial Hospital  
1983-1986

Assistant Professor, Department of Oral and Maxillofacial Surgery  
UNC, School of Dentistry  
1986-1993

Associate Professor, Permanent Tenure, Department of Oral and Maxillofacial Surgery  
UNC, School of Dentistry  
1993-1998

Professor, Department of Oral and Maxillofacial Surgery  
UNC, School of Dentistry  
1998-2005

Professor and Chairman, Division of Oral and Maxillofacial Surgery  
Department of Surgery  
UT Southwestern Medical Center, Dallas, Texas  
2006-2020

Professor, Division of Oral and Maxillofacial Surgery  
Department of Surgery  
UT Southwestern Medical Center, Dallas, Texas  
2006 to present

Professor, Physical Medicine Institute,  
University of North Texas Health Sciences Center at Fort Worth  
2010 – 2104

Professor, secondary appointment  
Department of Neurology  
University of Texas Southwestern Medical Center, Dallas, Texas  
2014 to present

### *VISITING PROFESSORSHIPS*

Medical Faculty Department of Maxillofacial Surgery  
University of Vienna, Vienna, Austria  
Visiting Professor, 1995

Department of Oral and Maxillofacial Surgery, Department of Hospital Dentistry  
University of Iowa Hospitals and Clinics, Iowa City, Iowa  
Visiting Professor, 2003

Department of Oral and Maxillofacial Surgery, National Dental Centre  
Singapore and Singapore General Hospital  
Visiting Expert Professor, 2007

Department of Oral and Maxillofacial Surgery, Harvard University and Massachusetts General Hospital  
Boston, Massachusetts  
Visiting Professor, 2015

### *PROFESSIONAL ASSIGNMENTS/APPOINTMENTS*

Graduate Program Director, Department of Oral and Maxillofacial Surgery

UNC, School of Dentistry  
1992-2005

Co-Director, Oral and Maxillofacial Pain Program  
UNC, School of Dentistry  
1995-2005

Chairman, Division of Oral and Maxillofacial Surgery, Department of Surgery, University of Texas  
Southwestern Medical Center at Dallas  
2006- 2020

## HOSPITAL APPOINTMENTS

Attending Staff, North Carolina Memorial Hospital, Chapel Hill, NC  
1986-2005

Consultant, Medical Staff, Dorothea Dix Hospital, Raleigh, NC  
1986-2002

Dentist/Consultant, Oral and Maxillofacial Surgery, Veterans Administration Hospital  
Fayetteville, NC  
1986-1997

Attending Staff, Carolinas Medical Center, Charlotte, NC  
1992-2000

Clinic for Maxillofacial Surgery, General Hospital for the University of Vienna, Vienna, Austria  
Visiting Professor, 1995

Consultant and Attending, Oral and Maxillofacial Surgery Medical Staff  
VAMC, Durham, NC  
1997-2003

Department of Hospital Dentistry, University of Iowa Hospitals  
Iowa City, IA  
Visiting Professor, 2003

UT Southwestern Medical Center, Dallas, Texas  
University Medical Center  
Zale Lipshy University Hospital  
St. Paul University Hospital  
William P. Clements Jr. University Hospital (2014)  
January 2006-Present

Parkland Memorial Hospital  
Dallas, Texas  
January 2006-Present

Children's Medical Center  
Dallas, Texas  
January 2006-Present

Children's Medical Center  
Plano, Texas  
April 26, 2019 – Present

Singapore General Hospital

Singapore  
Visiting Expert Professor, 2007

Presbyterian Texas Health Resources Dallas  
Dallas, Texas  
February 2020 - Present

## GRANTS AND CONTRACTS

UNC-CH Foundation Fund  
Approved funding: \$3,000  
1987-1988  
Title: Generation of antisera for the study of central endogenous neuronal peptides

NIDR, R03 DE08272  
Approved funding: \$15,000  
1987-1989  
Title: Regeneration after mandibular nerve section and repair

NIDR, R01 DE72567  
Approved funding: \$250,000  
1987-1990  
Title: Clinical evaluation of the relative efficacy and safety of intravenous premedication in dentistry  
Principal investigator: J. Anderson  
Co-Investigator: J. Zuniga

AFDH, Teacher Training Fellowship  
Approved funding: \$20,000  
1989-1990  
Title: Peripheral sensory nerve regeneration following repair with a tubular prosthesis

AAOMS, Research Fellowship Award  
Approved funding: \$20,000  
1989-1990  
Title: Peripheral sensory nerve regeneration following repair with a tubular prosthesis

AAOMS, Research Support Grant  
Approved funding: \$25,000  
1989-1992  
Title: Characterization of sensorimotor impairment subsequent to microsurgical repair of the lingual and inferior alveolar nerve in humans

AAOMS, Research Training Award for Health Professions Students  
Approved funding: \$10,000  
1992-1994

NIH-NIDCD, R03 DC01473-01A1  
Approved funding: \$50,000  
1992-1994  
Title: Human Chemosensory Performance and Taste Bud Density  
Principal investigator: R. Englehardt  
Co-investigator: J. Zuniga

NIH-NIDR, R03 DC10141-01A1  
Approved funding: \$50,000  
1992-1995  
Title: Chorda-Lingual Nerve Injury and Chemosensory Performance

AAOMS, Research Training Award for Health Professions Students  
Approved funding: \$15,000  
1994-1996

NIH-NIDR, RO1, DE10028-02A  
1995-2000  
Title: Psychosocial versus Clinical Responses to Orthognathic Surgery  
Principal investigator: Ceib L. Phillips  
Co-investigator: J. Zuniga

AAOMS, Research Training Award for Health Profession Students  
Approved funding: \$15,000  
1996-1998

Whitehall-Robins Healthcare, Inc., NP-96-02  
Approved funding: \$42,161  
1996  
Title: Dental Pain Pilot Study II

AAI, International  
Approved funding: \$150,000  
1999-2000  
Title: The Safety and Efficacy of Diclofenac Sodium Softgels in Healthy Human Subjects with Dental Pain Following Third Molar Extraction

NIH-NIDCR RO1  
2001-2005  
Title: Sensory Re-Training Following Orthognathic Surgery.  
Principal investigator: Ceib Phillips  
Co-investigator: John R. Zuniga

Applied Analytical Industries, Inc., Phase III Study  
Approved funding: \$203,200  
2002  
Title: A Phase III, Randomized, Parallel-Group, Double-Masked, Single-Dose Study of the Safety and Efficacy of Diclofenac Potassium Softgel 25mg and 50mg in the Treatment of Orthodontic Discomfort in Pediatric Patients

Applied Analytical Industries, Inc., Phase III Study  
Approved funding: \$127,210.00  
2002  
Title: A Phase III, Randomized, Multicenter, Parallel-Group, Double-Masked, Placebo-Controlled Study of the Safety and Efficacy of a Single-Dose of Diclofenac Potassium Softgel 25mg, 50 mg and 100 mg in the Treatment of Post-Operative Dental Pain

Unilever UK Central Resources Limited  
Approved funding: \$21,000  
2002-2005  
Title: Psychophysical Assessment of Subjective Components of Texture Perception

NIH NIDCR T32 DE 01830-10A1  
2008-2012  
Title: Baylor's Scientific Training Program for Dental Academic  
Principal Investigator: Rena N. D'Souza DDS PhD  
Investigator: John Zuniga  
Direct cost: \$1,116,470

Oral Maxillofacial Surgery Foundation  
2009-2010

Title: TMJ Pain Diagnosis Through EMG  
Principal Investigator: Shrawan Kumar  
Co-Principal Investigator: John Zuniga  
Direct Cost: \$69,500.00

National Medical Research Council Singapore  
2009-2011  
Title: Effect of Nimodipine on Mental Nerve Injury in the Rat  
Principal Investigator: Andrew Tay  
Co-investigator: John Zuniga  
Direct Cost: \$80,000.00

Charleston Laboratory, Inc.  
2012-2013  
Title: A Double-Blind, Randomized, Placebo-Controlled, Multiple-Dose, Mutli-Center Phase III Study of the Safety and Efficacy of CL-108 in the Treatment of Moderately Severe/Severe Acute Pain  
Principal Investigator: Bernard P. Schachtel  
Co-Invesigator: John Zuniga  
Direct Cost: \$694,356.00

AxoGen Incorporated  
2014  
Title: Case Control, Multi-Site, Prospective Study of the Safety and Effectiveness of Immediate Inferior Alveolar Nerve Allograft Reconstruction with Ablation of the Mandible for Benign Pathology  
Principal Investigator: John R. Zuniga  
Direct Cost: \$3,000.00

Autonomic Technologies  
2015-2016  
Title: Sphenopalatine Ganglion Stimulation for the Treatment of Chronic Cluster Headaches  
Principal Investigator: Debrorah Friedman  
Co-PI: John R. Zuniga  
Direct Cost:

Autonomic Technologies  
2015-2016  
Title: Evaluation of Digitally Reconstructed Radiographs (DRR) for Assistance in Pre-Operative Planning and Intra-Operative Implant Procedures  
Principal Investigator: John R. Zuniga

OMS Foundation  
2019-2021 – *2019 Stephen B. Milam Award*  
Magnetic Resonance Neurography (MRN) and Diffusion Tensor Imaging Augmented MRN of Peripheral Trigeminal Nerve Injuries on 3-Tesla Scanner- Correlation of Injury Classification with Surgery and Histopathology and Prediction of Patient Outcomes  
Principal Investigator – Avneesh Chhabra, Co-Principal Investigator – John Zuniga  
\$100,000.00

DOD MTEC-24-07-NavyDental  
2024-2027  
Nerve Tape for Enhanced Repair of Traumatic Maxillofacial Nerve Injuries  
Principal Investigator: Issac Clements PhD  
Investigator: John R. Zuniga  
\$1,490,000.00

## **ASSOCIATION MEMBERSHIPS**

- Omicron Kappa Upsilon, Xi Xi Chapter, 1978-Present
- American Dental Society of Anesthesiology, 1978-1980
- American Dental Association, 1978-Present
- American Association of Oral and Maxillofacial Surgery, 1980-Present
- International Association for Dental Research, 1984-Present
- Neuroscience Society, 1985-1995
- American Association of Dental Research, 1985-Present
- Association for Chemoreception Sciences, 1992-2004
- American Association for Advancement of Science, 1994-1996
- NC Society of Oral and Maxillofacial Surgeons, 1991-2006
- American Society of Temporomandibular Joint Surgeons, 2000-Present
- Vikings Study Club, International Study of Oral and Maxillofacial Surgery, 2002-Present
- American Dental Education Association, 2006-Present
- North Texas Society of Oral and Maxillofacial Surgeons, 2006-Present
- Dallas County Dental Society, 2006-Present
- Texas Dental Association, 2006 –Present
- Southwestern Society of Oral and Maxillofacial Surgeons, 2007- Present
- Texas Society of Oral and Maxillofacial Surgeons, 2007 – Present
- American Academy of CranioMaxillofacial Surgeons, 2014 –2016
- American Society of Peripheral Nerve, 2015 – Present

## **EDITORIAL BOARDS (Medical Journals)**

1. EDITORIAL REVIEW BOARD: Anesthesia Progress, 1991-2010
2. EDITOR: Oral and Maxillofacial Surgery Clinics of North America, Saunders Company, *Clinical Trials in Orofacial Neurotrauma*, 2000

## **MEDICAL JOURNAL REVIEWER (Ad hoc)**

- Pharmacological Reviews, 1988
- Anesthesia Progress, 1988-1991
- Chemical Senses, 1991
- Journal of Oral & Maxillofacial Surgery, 1992-Present
- Oral Surgery, Oral Medicine, Oral Pathology, 1992-Present
- Critical Reviews in Oral Biology and Medicine, 1995-Present
- Archives of Oral Biology, 1995 - Present
- Journal of Dental Research, 1997- Present
- Brain Research, 2000
- International Journal of Oral and Maxillofacial Surgery, 2007 – Present

- Methods and Findings in Experimental and Clinical Pharmacology, 2007 – present
- European Journal of Pain, 2009 – present
- Neurophysiology, Neuropharmacology, Intercellular Communications, 2010 – present
- Annals of Maxillofacial Surgery, 2010 – present
- International Journal of Dentistry, 2011
- Current Medical Research and Opinion, 2011- present
- Journal of Pain Research, 2012- present
- Journal of Medical Case Reports, 2013
- BioMed Central Neurology, 2015
- Clinical Oral Investigations, 2015
- BioMed Central Pediatrics, 2015
- Springer Plus, 2016
- Journal of Plastic, Reconstructive and Aesthetic Surgery, 2020 to present
- Pain, 2020 to present
- Scientific Reports 2021 to present
- Frontiers of Oral and Maxillofacial Surgery 2021
- Brain Sciences, 2021
- Oral Surgery, 2021
- Journal of Clinical and Translational Research, 2022 – Present
- Annals of Anatomy, 2023 – present
- Journal of American Dental Association, 2023 to present
- The Saudi Dental Journal, 2023 to present
- Plastics and Aesthetic Surgery, 2024 to present
- International Immunopharmacology, 2024 to present

## **PERSONAL/PROFESSIONAL RECOGNITION**

- Omicron Kappa Upsilon, 1978
- American Dental Society of Anesthesiology Award, 1978
- American Association of Oral and Maxillofacial Surgeons Research Fellowship Award, 1983
- Buonocore Award for Research, 1985
- Merck, Sharp and Dohme Award for Research, 1985
- National Institute of Health National Research Service Award, 1985
- UNC, Junior Faculty Development Award, 1987
- American Association for Dental Research, 1988 Student Research Fellowship, sponsor for Andrew Bluhm (recipient), 1988
- American Association for Dental Research, 1989 Student Research Fellowship, sponsor for Robert Englehardt (recipient), 1989



- American Association of Dental Research, 1991 Student Research Fellowship, sponsor for Steve Davis (recipient), 1991
- American Association of Dental Research, Student Research Fellowship, sponsor for Khashayar K. Neshat (recipient), 1992
- Oral & Maxillofacial Surgery Foundation., Daniel M. Laskin Award for Most Outstanding Publication, 1998
- Oral & Maxillofacial Surgery Foundation, Research Recognition Award, 2002
- Advisory Committee Service Award, US Food and Drug Administration, 2006
- Examination Committee Award, American Board of Oral and Maxillofacial Surgeons, 2006
- Research Summit Recognition Award, Oral and Maxillofacial Surgery Foundation, 2007
- William J Gies Award for Clinical Research, for Most Outstanding Publication on Clinical Research in the Journal of Dental Research, 2008
- Best Dentist in Dallas, D magazine nominations in oral and maxillofacial surgery:
  - 2010
  - 2011
  - 2012
  - 2013
  - 2014
  - 2015
  - 2016
  - 2017
  - 2018
  - 2019
  - 2020
  - 2021
  - 2022
- 2011 AAOMS Oral Abstract Scientific Presentation Award, 93<sup>rd</sup> Annual Meeting, Scientific Sessions and Exhibition
- Super Dentists®, Top 10% of Dentists in Texas, Texas Monthly
  - 2012
  - 2013
  - 2014
  - 2015 Blue Ribbon Panelist
  - 2016 Blue Ribbon Panelist
  - 2017 and Blue Ribbon Panelist
  - 2018 and Blue Ribbon Panelis
  - 2021

- 2022
- 2023
- 2024
- Database of *TopDentists*<sup>™</sup> , Dallas/Fort Worth area, TopDentists LLC, Fort Worth, the city's magazine
  - 2012
  - 2013
  - 2014
  - 2015
  - 2016
  - 2017
  - 2018
  - 2022
- 2012 William J. Gies Award in Oral and Maxillofacial Surgeons, William J. Gies for the Advancement of Dentistry of the American Dental Education Association
- 2012 AAOMS Oral Abstract Scientific Presentation Award, 94<sup>th</sup> Annual Meeting, Scientific Sessions and Exhibition
- America's Top Dentists, Consumers' Research Council of America
  - 2013
  - 2014
  - 2015
  - 2016
  - 2017
  - 2018
  - 2020
  - 2021
- Outstanding Dentists in Texas, American Registry, Top 5%
  - 2013
  - 2014
  - 2015
  - 2016
  - 2017
  - 2018
  - 2019
  - 2021
  - 2022
  - 2023

- 2016 AAOMS Oral Abstract Scientific Presentation Award, 98<sup>th</sup> Annual Meeting, Scientific Sessions and Exhibition
- 2017 AAOM Oral Abstract Scientific Presentation Award, 99<sup>th</sup> Annual Meeting, Scientific Sessions and Exhibition
- 2017 Laskin Outstanding Article Award- Journal of Oral and Maxillofacial Surgery – nominated
- 2018 Donald B. Osborn Award for an Outstanding Educator – AAOMS
- 2019 Stephen B. Milam Award for Most Outstanding Grant, OMS Foundation
- 2022 Resident Scientific Award - American Association of Oral and Maxillofacial Surgeons (Timothy Neal, recipient)
- 2023 Dr. Chad Anderson Family Award for Innovative Methodology and Research Design – Annual Bates Andrews Research Day, Tufts University (Hillary Creed – recipient)
- 2023 Best Paper Award, Larry J. Peterson Prize in Oral and Maxillofacial Surgery, Triple O Journal (Oral Surgery, Oral Medicine, Oral Pathology)
- 2024 Clinical Research Recognition Award – AAOMS
- Scholar GPS Top Scholar – lifetime for Nerve Injury - 2024

## **COMMITTEES**

### **UNIVERSITY OF NORTH CAROLINA DENTAL SCHOOL**

- Career Planning Committee, 1987-1988
- Promotions and Tenure Committee, 1989-1992
- Committee to Review Basic Sciences, 1989-1990
- Clinical Research Unit Planning Committee, 1990-1996
- 3rd and 4th Year Teaching Committee, 1991-2005
- Search Committee, Chair, Dept. of Endodontics, 1992
- Research Advisory Committee, 1992-1996
- Advanced Education Program Directors Committee, 1992-2005
- Administrative Board of the School of Dentistry, 1993-1996
- Dental Faculty Practice Executive Board, 1996-2005
- Full Professors' Committee, 1998-2005
- Search Committee, Chairman, Dept. of Hospital Dentistry, 2000
- Administrative Board of School of Dentistry, 2000-2003

### **UNIVERSITY OF NORTH CAROLINA**

- Medical Records Committee, Member Department of Dentistry Representative, 1987-1992
- Department of Surgery Division Chiefs, Oral & Maxillofacial Surgery Representative, 1992-1998
- UNC Faculty Council, Professor and Associate Professor for UNC School of Dentistry, 1998

- Graduate Medical Education, Advanced Program Director Committee, Member, Department of Oral & Maxillofacial Surgery, 2003

## **UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER**

- Division Chairs Committee, 2006 – 2016
- Department of Surgery Leadership – 2016 to 2020
- Research Advisory Committee, Department of Surgery, 2006 – 2020
- Liason Committee on Medical Education, Educational Programs Leading to the M.D. Degree Subcommittee, member, 2009
- Medical School Admission Interviewer, 2009 - present
- Operating Room Committee, voting member, 2010 – 2020
- Surgical Chiefs Committee, Parkland Hospital, 2010 – 2017
- Surgical Services Best Practice Committee, member, 2011 – 2020
- Post Tenure Review Committee, member 2013 – present
- Chair, The Douglas and Diane Sinn Endowed Chair in Oral and Maxillofacial Surgery, November 28, 2013 – 2016
- Ambulatory Medical Directors, member 2015 to 2020
- Parkland Foundation: Parkland Physicians Society, steering committee member, 2016 to present
- Surgical Services Executive Committee, member, 2017 to 2018
- Department of Surgery Quality Council 2018 to 2020
- Department of Surgery Promotion and Tenure Committee, 2022 to present

## **LOCAL/STATE**

- Dallas County Dental Society, Alternate Delegate to Texas Dental Association, 2007- 2008
- Member, Board of Directors, Texas Society of Oral and Maxillofacial Surgeons, 2010 - 2012
- Dallas County Dental Society, Delegate to Texas Dental Association, 2009-2012
  - Reference Committee A (Administration, Budget, Building, House of Delegates, Membership Processing), member, 2010
  - Reference Committee D (Legislative, Legal and Governmental Affairs), member 2012

## **NATIONAL**

- Walter Lorenz Surg. Instruments, Inc., Walter Lorenz Nerve Repair Kit, #01-6900, 1989-Present
- Clinical Interest Group, Maxillofacial Neurologic Disorders, American Association of Oral and Maxillofacial Surgeons, 1994-Present. Secretary-Treasurer (1995-1997), Vice-Chairman (1997-1999), Chairman (2000 – 2002)
- Blue Cross Blue Shield of North Carolina, Doctor Consulting Panel, Durham, NC, 1995-2005
- Health Cost Consultants, Inc., Physician Advisory Panel, Vienna, Virginia, 1995-2003
- Doctors' Health Plan, Inc., Physician Advisory Panel, Raleigh, NC, 1998-2003
- Site Visit Consultant to ADA Commission on Dental Education, AAOMS, Rosemont, IL, 1999-2015
- Board Examiner, American Board of Oral and Maxillofacial Surgeons, Section IV, 2000-2010
- Consultancy, Unilever Research Port Sunlight, Bebington Wirral, UK, 2000-2004
- Research Council, Oral and Maxillofacial Surgery Foundation, Rosemont, IL, 2003-2014

- Special Government Employee, Dental Products Panel of the Medical Devices Advisory Committee, Center for Devices and Radiological Health, Food and Drug Administration, Rockville, MD, 2003-Present
- Co-Chair, Section IV, Anesthesia and Medicine, American Board of Oral and Maxillofacial Surgeons, 2004-2006
- Oral and Maxillofacial Surgery Foundation Representative to the Advisory Committee on Research and Technology Assessment, 2004-2012
- Member, Faculty Section, American Association of Oral and Maxillofacial Surgeons,
  - 2006- 08 – member at large
  - 2008-09 – secretary
  - 2009-10 – vice chairman
  - 2010-2011 - chairman
- Member, The Committee on Residency Education and Training, 2008 – 2011
- Member, OMSITE Status Group, ABOMS, AAOMS Faculty Section Representative, 2009 – 2011
- Luitpold Pharmaceuticals Inc., consultant, 2013- 2015
- AxoGen Corporation, consultant, 2013- present
- Daiichi Sankyo/Charleston, consultant, 2016 – 2018
- Metz USA, consultant, 2016 – 2018
- Member, American Society of Peripheral Nerve, 2016 to present
  - Membership Committee member, 2018 to present
  - ASPN Mentorship Program- Mentor 2021 to present
    - Dr. Megan Jack, Dept Neurosurgery, Cleveland Clinic Lerner College of Medicine, 2023
- Nerve Care Institute
  - Advisory Committee member, 2019 to present
- The Global Nerve Foundation
  - Board of Directors, member 2022 to present
  - Chair, Research Advisory Committee, 2022 to present
- Osteo Science Foundation
  - Scientific and Clinical Review Committee, 2020 to present
  - Vice- Chair Scientific and Clinical Review Committee, 2023 to 2024
  - Chair, Scientific and Clinical Review Committee, 2024 to present

## INTERNATIONAL

- Member, International Research Advisory Board, National Medical Research Council, National Dental Centre Singapore, 2012 to present
  - External Examiner, 2016 MDS (Oral and Maxillofacial Surgery) Final Examination, Singapore, May 24- May 26, 2016

## PUBLICATIONS

### Book Chapters and Instructional Units

1. **Zuniga JR.** Pharmacology of Postoperative Analgesia. In Oral and Maxillofacial Surgery Knowledge Update, Vol 1, (ed) John PW Kelly, American Association of Oral and Maxillofacial Surgeons, Rosemont, Illinois, pp 121-135, 1994.
2. Shapiro RD, and **Zuniga JR.** Delivery Methods for Postoperative Analgesia, in Oral and Maxillofacial Surgery Knowledge Update, Vol 1, (ed) John P. W. Kelly, American Association of Oral and Maxillofacial Surgeons, Rosemont, Illinois, pp 137-142, 1994.
3. **Zuniga JR.** Nerve Injuries: Considerations in Orthognathic Surgery, in Oral and Maxillofacial Surgery Knowledge Update, Vol 2, (ed) John PW. Kelly, American Association of Oral and Maxillofacial Surgery, Rosemont, Illinois, pp 381-396, 1995.
4. **Zuniga JR.** Microsurgical Techniques for Oral and Maxillofacial Surgery: An Instructional Workbook, UNC Press, 1999.
5. Profitt WRP, Phillips C, **Zuniga J.** Physiologic responses to treatment and postsurgical stability. *in* Contemporary treatment of dentofacial deformity, Mosby, St. Louis, Mo, pp 646-676, 2002.
6. Ziccardi V, **Zuniga JR.** Traumatic Injuries of the Trigeminal Nerve, *in* Fonseca RJ, Walker, RV, Betts NJ, Barber HD, Powers MP (eds), Oral and Maxillofacial Trauma, 3<sup>rd</sup> edition, St. Louis, MO, Elsevier Saunders, 2005, vol. 2. pp 877-914.
7. **Zuniga JR,** Tay ABG. Dentoalveolar Problems: Trigeminal Nerve Injury, *in* Decision Making in Oral and Maxillofacial Surgery, (eds) Daniel Laskin, Omar Abubaker, 1<sup>st</sup> edition, Quintessence Publishing Co., Hanover Park, IL, 2007, pp 12-14.
8. **Zuniga JR,** Tay ABG. Nerve Injuries, in Operative Oral and Maxillofacial Surgery, Second Edition, (eds) John Langdon, Mohan Patel, Robert Ord, Peter Brennan. 2007,pp 63-78.
9. **Zuniga JR.** John R. Zuniga, *in* Words of Wisdom, Oral and Maxillofacial Surgery, 1<sup>st</sup> edition, (eds) Laurence D. Pfeiffer, AuthorHouse, Bloomington, IN, 2009, pp 202-203
10. Yates DM, **Zuniga JR,** Zide M: Traumatic Injuries to the Mandibular Condyle, *in* Oral and Maxillofacial Trauma, 4<sup>th</sup> edition, (ed) Fonseca R, Elsevier, Maryland Heights, MO, 2012 pp 331-353.
11. **Zuniga JR,** Radwan, A: Classification of Nerve Injuries, *in* Trigeminal Nerve Injuries, 1<sup>st</sup> edition, (ed) Michael Miloro, Springer-Verlag, 2013 pp17-25
12. Tay ABG, **Zuniga JR:** Nerve Repair, in Atlas of Operative Oral and Maxillofacial Surgery, (eds) Christopher Haggerty, John Langdon, Wiley-Blackwell, 2015, 522-534
13. Erickson H., **Zuniga JR:** Arthroplasty and Eminectomy, *in* Atlas of Oral and Maxillofacial Surgery, Its edition,(ed) Kademan D, Tiwana P, Elsevier, St. Louis, Missouri, 2015 pp 1320-1330.

14. Mirchel R, **Zuniga JR**, Bouloux G: Neuropathic Pain and Chronic Opioid Use, *in* Complications of Temporomandibular Joint Surgery, (ed) Gary Bouloux, Springer, Cham, Switzerland, 2017, 81-98.
15. **Zuniga JR**, Tay AB: Nerve Injuries and Repair, *in* Operative Oral and Maxillofacial Surgery, 3<sup>rd</sup> Edition, (eds) John Langdon, Mohan Patel, Robert Ord, Peter Brennan, CRC Press Taylor & Francis Group, Boca Raton, Florida, USA, 2017, 75-81.
16. Radwan A, Boxx, C. **Zuniga J**: Post-Traumatic Injuries of the Trigeminal and Facial Nerve, *in* Trauma Surgery, *Atlas of the Oral and Maxillofacial Surgery Clinics*, (ed) Robert Strauss, Alaaadin Radwan, Elsevier, Philadelphia, PA, 27, 127-133, 2019, doi.org/10.1016/j.cxom.2019.05.009
17. **Zuniga JR**, Masrour S. Headache and Neuralgias of the Head and Neck, *in* SCORE Curriculum for Oral and Maxillofacial Surgery. (eds) Gregory Ness, Gary Bouloux, AAOMS, Chicago, IL, (submitted), July, 2019.
18. **Zuniga JR**: From Proust to Pivot, *in* Face to Face. (ed) Javier Gonzalez Lagunas IAOMS.org 61: 38-40, March 2020
19. Indrakanti S, Erickson HP, **Zuniga JR**: Arthroplasty and Eminectomy, *in* Atlas of Oral and Maxillofacial Surgery, 2nd edition, (ed) Kademan D, Tiwana P, Elsevier, St. Louis, Missouri, chapter 146, pages 1538-1549, 2024.
20. **Zuniga J**: Maxillofacial Nerve Injuries – Diagnosis and Management, *in* Oral and Maxillofacial Review – A Comprehensive and Contemporary Update. (eds) Bennett J, Ferneini EM, Oakstone Productions, 12/1/2020
21. Brothers JT, **Zuniga JR**: Head and Neck Neuroma Cases, *in* Contemporary Neuroma Management, (eds) Eberlin K, Cederna P, Ducic I, Moore A, Valerio I, Spinger Nature, (submitted 10/2020), 2021.
22. Daifallah TC, Tay ABG, **Zuniga JR**: Nerve Harvest and Repair in Atlas of Operative Oral and Maxillofacial Surgery, Second Edition, (eds) Christopher J Haggerty, Robert M Laughlin, Wiley Blackwell. 2023, 924-937.
23. Wahidi J, **Zuniga JR**: The Evolution of Magnetic Resonance Neurography in Imaging of the Trigeminal Nerve *in* Advancements and Innovations in OMFS, ENT, and Facial Plastic Surgery, First Edition, (eds Melville J, Young S), Springer Nature, 2022 (submitted 3/1/2022)
24. Ducic I, **Zuniga JR**: Sensory Nerve Reconstruction Following Nerve Injuries due to Oral and Dental Procedures, *in* ( 2024)

## Journal Articles

1. **Zuniga JR**, Holmes HI, and Page L. Myelofibrosis of the facial bones. Oral Surg, 56:32-38, 1983.
2. **Zuniga JR**, Knigge KM, Joseph SA. Central beta endorphin release and recovery after exposure to nitrous oxide in rats. J Oral Maxillofac Surg, 44:714-718, 1986.
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33. **Zuniga JR**, Jacks SC, Schalit C, Turvey TA. A retrospective analysis of lingual nerve injuries following sagittal osteotomies. *J Cranio-Maxillofac Surg*, 24:128, 1996.
34. **Zuniga JR**, Gregg J, Meyer R, Miloro M, Davis L. Efficacy of the clinical neurosensory test for diagnosis of trigeminal nerve injuries. *J Cranio-Maxillofac Surg*, 24:128-129, 1996.
35. **Zuniga JR**, Gregg JM, Meyer RA, Miloro M, Davis L. Statistical efficacy of the clinical neurosensory test for trigeminal nerve injury diagnosis. *J Oral Maxillofac Surg*, 54:(Suppl 3)64, 1996.
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37. **Zuniga JR**, Chen N. The Effects of capsaicin desensitization on differential sensitivity for sour taste. *Chem Senses* 24:610, 1999.
38. Chamberlain LR, **Zuniga JR**. Smoking – Impaired Healing in patients with mandible fractures. *J Oral Maxillofac Surg*. 57:35-36, 1999.
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41. Kok AL, Rath E, **Zuniga JR**, et al. Reliability and validity of algometer neurosensory testing compared with a thermode standard. *J Oral Maxillofac Surg* (Suppl 1)59:91, 2001.
42. **Zuniga JR**. Treatment of nerve injuries. An analysis of outcomes. *J Oral Maxillofac Surg* (Suppl 1) 60:20, 2002.

43. **Zuniga JR**, Ibanez C, Kozacko M. Analgesic efficacy and safety of a single intra-articular injection in the TMJ after arthroplasty. *J Oral Maxillofac Surg (Suppl 1)* 62:22, 2004.
44. **Zuniga JR**, Phillips C, Essick G, Preisser J, Turvey T, Tucker M, Lin D. The effect of sensory retraining on patient's perception of altered sensation following orthognathic surgery. *J Oral Maxillofac Surg (Suppl 1)* 64:52, 2006
45. **Zuniga JR**, Malmstrom H, Tomasetti B, Boesing S. Diclofenac soft gelatin capsules for postsurgical dental pain. *Amer Acad Pain Management, 19<sup>th</sup> Annual Clinical Meeting*, 92-93, 2008
46. Noveck RJ, **Zuniga JR**, Campbell JH, Malmstrom H, Tomasetti BJ, Boesing SE: Oral Diclofenac Soft Gelatin Liquid Filled Capsule is Efficacious Compared with Placebo in Patients with Postsurgical Dental Pain. *Amer Soc Pain Educators*, 2008
47. Noveck RJ, **Zuniga JR**, Campbell JH, Malmstrom H, Tomasetti BJ, Boesing SE: The safety and efficacy of oral diclofenac liquid filled soft gelatin capsule in patients with postsurgical dental pain. *Amer Acad Pain Medicine*, 2009
48. Yates D, **Zuniga JR**: Risk Factors Associated with Neuropathic Pain Following Trigeminal Nerve Repair. *J Oral Maxillofacial Surg, (Suppl 2)* 67: 52-53, 2009.
49. **Zuniga JR**, Lyon JA, Boesing SE: Diclofenac Potassium Liquid Filled Capsules in Pediatric Patients with Orthodontic Discomfort. *Amer Soc Anesthesiology*, 2009
50. **Zuniga JR**, Noveck RJ, Boesing SE: The Efficacy and Safety of Oral Diclofenac Liquid Filled Soft Gelatin Capsules in Patients with Postsurgical Dental Pain. *Amer Soc Pain Educators*, 2009
51. Kumar, S, **Zuniga JR**, Throckmorton, G: Masticatory Muscle Pain Measurements Through Surface EMG. *American Association Oral and Maxillofacial Surgery*, 2011
52. Yates, D, **Zuniga JR**: Factors Associated with the Recurrence of Neuropathic Pain following Trigeminal Nerve Repair for Neuropathic Pain. *J Oral Maxillofac Surg.*, 2012
53. Yates, D, **Zuniga JR**: Processed Nerve Allograft for Trigeminal Nerve Repair: Safety and Effectiveness in Sensory Nerve Regeneration. *JOMS*, 2013
54. **Zuniga JR**: Trigeminal Sensory Recovery Using Processed Nerve Allografts for Large Continuity Defects. *Int. J. Oral Maxillofac Surg*,42:1179, 2013
55. **Zuniga JR**: Risk Factors Associated with Neuropathic Pain Following Trigeminal Nerve Repair. *Int. J. Oral Maxillofac Surg*, 42:1301, 2013.
56. Medel, N., Hamao-Sakamoto, A., **Zuniga, JR**: Comparing Early and Late Reconstruction of Gunshot Injuries to the Upper and Lower Face. *J Oral Maxillofac Surg, AAOMS 96<sup>th</sup> Scientific Meeting*, 2014
57. E.Hersh, A.Papas, **J.Zuniga**, S.Daniels, D.Muse, K.Patrick, J.Bennett, E.Schachtel, M.Marino and B.Schachtel: What is the likelihood of opioid-induced nausea and vomiting (OINV) in patients with a history that is only suggestive of OINV, 2015
58. B.Schachtel, E.Hersh, A.Papas, S.Daniels, D.Muse, K.Patrick, J.Bennett, E.Schachtel, M.Marino and **J.Zuniga**: Affective and sensory qualities of pain complement evaluative measures of opioid analgesia: results from the Qualities of Dental Pain Index (QDPI). 2015

59. Cox, B, **Zuniga JR**, Cheung R, Chhabra A: Novel use of Magnetic Resonance Neurography in the Management of Peripheral Trigeminal Nerve Neuropathies. RSNA, 2015.
60. **Zuniga JR**: Immediate Nerve Allograft Reconstruction With Ablation of Mandible for Benign Pathology, International Conference on Oral and Maxillofacial Surgery, Melbourne, Australia, 2015.
61. **Zuniga J**, Schachtel B, Maibach H, Hersh E: The incidence of opioid-induced nausea and vomiting (OINV) in patients who by history are not at risk of developing OINV., IASP, Yokohama, Japan, 2016
62. Schachtel B, Hersh E, **Zuniga J**, Daniels S, Muse D, Patrick K, Oreadi D, Bennett J, Schachtel E, Papas A: Use of the Qualities of Pain Index (QPI) to Demonstrate Beneficial Effects on Affective and Sensory Qualities of Pain. 2016
63. **Zuniga JR**, Williams F, Petrisor D.: Immediate Nerve Allograft Reconstruction with Ablation of Mandible for Benign Pathology. Amer Assoc Oral Maxillofac Surgery, Sept. 23, 2016.
64. **Zuniga JR**, Williams F, Petrisor D: Sensory Outcomes Following Simultaneous Nerve Allograft and Mandibular Reconstruction for Benign Pathology. American Society Peripheral Nerve 2017 Annual Meeting, Waikoloa, Hawaii, January 14, 2017
65. **Zuniga JR**, Papas A, Schachtel B, Maibach H, Hersh E: The Incidence of Opioid-Induced Nausea and Vomiting (OINV) in Patients Who by History are Assumed to Be Not at Risk for Developing OINV. American Academy of Pain Medicine, 33<sup>rd</sup> Annual Meeting. Orlando, Florida; 172, March 16, 2017
66. Hersh E, **Zuniga JR**, Papas A, Maibach H, Schachtel B: The difficulty of predicting opioid-induced nausea and vomiting (OINV) in patients who by history are not at risk for OINV. Encore Poster Pain Week, September 5, 2017
67. **Zuniga JR**, Miloro M, Tikhonov I, Mistry C, Dessouky R, Chhabra A: Classification of Post-Traumatic Trigeminal Nerve Injuries: Comparing MR Neurography with Clinical Neurosensory Tests and Surgical Findings. Amer Assoc Oral Maxillofac Surgery. October 13, 2017
68. **Zuniga J**, Mistry C, Tikhonov I, Dessouky R, Chhabra A: Magnetic Resonance Neurography Of Traumatic and Non-Traumatic Peripheral Trigeminal Neuropathies. American Society Peripheral Nerve 2018, Phoenix, Arizona, January 13, 2018.
69. Dessouky R, **Zuniga JR**, Chhabra A: Role of Magnetic Resonance Neurography (MRN) for the Diagnosis of Peripheral Trigeminal Nerve Injuries in Patients with Prior Molar Tooth Extraction. European Society Radiology, February 28, 2018, Vienna, Austria
70. Goadsby PJ, Sahai-Srivastava S, Kezirian EJ, Calhoun AH, Matthews DC, McAllister PJ, Costantino PD, Friedman DI, **Zuniga JR**, Mechtler LL, Popat SR, Rezai AR, Dodick DW: Sphenopalatine Ganglion Stimulation is Effective for Chronic Cluster Headache- A Sham-Controlled Study. American Headache Society 60<sup>th</sup> annual meeting, San Francisco, June 28, 2018.

71. **Zuniga JR:** Post Trigeminal Allograft Repair MRN Analysis. American Society of Peripheral Nerve 2019 Annual Meeting, Palm Springs, California, February 2, 2019.
72. Miloro, M, **Zuniga JR:** Reconstruction of Peripheral Trigeminal Nerve of the Mandible in Pediatric Patients Using Long-Span Nerve Allografts, America Society of Peripheral Nerve 2020 Annual Meeting, Fort Lauderdale, Florida, January 10, 2020.
73. AbdelBaky O, **Zuniga JR,** Xi J, Chhabra A: Does Presurgical MRN Predict Neuroma and Surgical Gap Size in Trigeminal Nerve Injuries. American Society of Peripheral Nerve 2021 Annual Meeting, January 15, 2021
74. Neal T, **Zuniga J:** Presurgical Pain Intensity is Related to Outcome of Surgical Treatment of Post-Traumatic Trigeminal Neuropathic Pain. 104<sup>th</sup> AAOMS Annual Meeting, Scientific Sessions and Exhibition. GP5b, New Orleans, LA, September 16, 2022
75. Timothy Neal, **Zuniga J:** Recurrence of Post-Traumatic Trigeminal Neuropathic Pain Predicted by Time to Surgery. American Society of Peripheral Nerve 2023 Annual Meeting, Miami FL, PN EP07, January 20, 2023
76. **Zuniga JR,** Neal TW, Kim RU, Williams F, Miloro M, Moles SL, Callahan N, Petrisor D, Rogers B, Marwan H, Young S, Melville JC, Ahmed O, Creed H, Oreadi D, Hernandez-Nuno de la Rosa: Does Immediate Long-Span Nerve Allograft Affect the Incidence of Chronic Postsurgical and Neuropathic Pain in the Reconstructed Mandible Following Resection? An OMS Research Collaborative Project. Bates Day Research Symposium, Tufts University, Boston, MA
77. **Zuniga J:** Immediate Long-Span Nerve Allograft Reduces Chronic Postsurgical Pain and Trigeminal Neuropathic Pain Following Mandibular Resection for Benign and Malignant Disease. International Conference in Oral and Maxillofacial Surgeons. Free paper 23, Vancouver, Canada, June 11, 2023
78. Thorton T, Xia S, **Zuniga JR,** Chhabra A: Magnetic Resonance Neurography in the Evaluation of Peripheral Trigeminal Neuropathies in the Postoperative Period. ARRS meeting , November 18, 2024
79. Neal T, **Zuniga JR:** Does Immediate Long-Span Nerve Allograft Affect the Incidence of Chronic Postsurgical and Neuropathic Pain in the Reconstructed Mandible Following Resection: An OMS Research Collaborative Project. 105<sup>th</sup> Annual Annual Meeting, Scientific Sessions and Exhibition, SA3, San Diego, CA, Sept 23, 2023.
80. **Zuniga JR:** Long-span nerve allograft reduces the incidence of post-surgical and post-traumatic trigeminal neuropathic pain following mandibular resection for benign and malignant disease. 2024 Annual American Society of Peripheral Nerve, Nassau, Bahamas, January 14, 2024.

## Letters to the Editor

1. **Zuniga JR**, Yates D, Phillips CE: Reply , The Presence of Neuropathic Pain Predicts Postoperative Neuropathic Pain Following Trigeminal Nerve Repair. J Oral Maxillofac Surg 73:798, 2015.
2. **Zuniga JR**, Nerve Gap Reconstruction. J Oral Maxillofac Surg 73:1885-1886, 2015
3. **Zuniga, JR**, Letter to the Editor, J Oral Maxillofac Surg, 79:2179-2182, 2021 DOI <https://doi.org/10.1016/j.joms.2021.07.015>

## LECTURES / PRESENTATIONS

### National

1. Head and Neck Spaces, Department of Anatomy, University of Rochester School of Medicine, 1982-1985
2. The Effects of Nitrous Oxide on the Central Endogenous Opioid System, Northeast Society of Oral and Maxillofacial Surgeons, Connecticut, 1983
3. Clinical Correlations of the Temporomandibular Joint, Department of Anatomy, University of Rochester School of Medicine, 1983-1984
4. Fluid and Electrolyte Balance in the Surgical Patient, Department of Clinical Dentistry, Genesee Hospital, Rochester, NY, 1983-1985
5. The Release and Recovery of Beta Endorphin after Exposure to Nitrous Oxide, New York Society of the American Association for Dental Research, Rochester, NY, 1985
6. The Medial Basal Hypothalamus, Theory of Nitrous Oxide Narcosis, Department of Anesthesiology, University of Rochester, Strong Memorial Hospital, NY, 1985
7. The Neuroanatomical, Neurophysiological Implications of Salivary Gland Function, Department of Dental Research, Eastman Dental Center, Rochester, NY, 1985
8. Introduction to Pain, Department of Dental Research, University of Rochester, Rochester, NY, 1986
9. Oral and Maxillofacial Surgery, Alpha Epsilon Delta International Premedical Honor Society, UNC at Chapel Hill, NC, 1987
10. Regenerative Organization of the Trigeminal Ganglia After Nerve Section and Repair, Curriculum of Neurobiology, UNC at Chapel Hill, NC, 1988
11. Clinical Pharmacology of Medical Emergencies and Infections in Dental Practice, First Annual Roy B. Harrell Continuing Education Symposium, NC, 1988
12. Diagnosis & Treatment of Trigeminal Nerve Injuries, 3rd Ernest W. Small Lecture, NC, 1989
13. Challenging Neurosensory Impairment: The Trigeminal Nerve, UNC Dental Alumni Association Continuing Education Program, NC, 1989
14. Chronic Pain, Peripheral Nerve Injury and Clinical Pharmacology of Medical Emergencies and Infections in the Dental Office, Pinehurst Seminars, Pinehurst, NC, 1990

15. Microsurgical Repair of Orofacial Nerve Injuries, Department of Surgery, UNC, School of Medicine, Chapel Hill, NC, 1990
16. Temporomandibular Joint Arthrocentesis, Department of Surgery, UNC, School of Medicine, Chapel Hill, NC, 1991
17. Neuroanatomy of the Maxillofacial Region, Charlotte Area Health Education Center, Carolinas Medical Center, Charlotte, NC, 1991
18. The Patient with Paresthesia, Charlotte Area Health Education Center, Carolinas Medical Center, Charlotte, NC, 1991
19. Mechanisms of Chronic Oral Facial Pain, 4th Annual Roy B. Harrell Continuing Dental Education Symposium, UNC, Chapel Hill, NC, 1991
20. Chronic Pain, Peripheral Nerve Injury and Clinical Pharmacology of Medical Emergencies and Infections in the Dental Office, Pinehurst Seminars, Pinehurst, NC, 1991
21. Advances in Microsurgical Nerve Injury, Oral Surgery for the General Dentist, Chapel Hill, NC, 1991
22. Mechanisms of Chronic Oral Facial Pain, Fourth Annual Roy B. Harrell Continuing Education Symposium, Chapel Hill, NC, 1991
23. Neuroanatomy of the Maxillofacial Region and the Patient with Paresthesia, Charlotte Area Health Education Center and the UNC School of Dentistry, Charlotte, NC, 1991
24. Common Medical Emergencies and Their Management in the Dental Office, Diagnostic Sciences Evening Series, Chapel Hill, NC, 1991
25. Update on Trigeminal Neuralgia, Butler Ross Study Club, Durham, NC, 1992
26. A Contemporary Application to Patients with Orofacial Nerve Injuries, Fayetteville Area Health Education Center, Fayetteville, NC, 1992
27. Painful Neuralgias of the Head and Neck, Fayetteville Area Health Education Center, Fayetteville, NC, 1992
28. Long-Term Outcome Following Trigeminal Microneurosurgery, The Ohio State University, Oral and Maxillofacial Department, Columbus, Ohio, 1992
29. The patient with Traumatic Hyperalgesia and Sympathetic Mediated Pain, American College of Oral and Maxillofacial Surgeons, First World Conference, Boston, MA, 1993
30. Managing Orofacial Neuralgic and Neuropathic Pain in the 90's, Southwest Virginia Dental Association, Marion, VA, 1993
31. Nerve Injuries of the Oral and Maxillofacial Region, University of Rochester, Oral and Maxillofacial Surgery Department, Rochester, NY, 1993
32. Microneurosurgery for Oral and Maxillofacial Surgeons, Massachusetts General Hospital, Boston, MA, 1993
33. Nerve Injuries in the Orofacial Region, Forsythe Dental Society, Forsythe Area Health Education Center, Winston-Salem, NC, 1994

34. Painful Neuralgias of the Head and Neck, Gastonia Area Health Education Center, Gastonia, NC, 1994
35. Management of Perioral Nerve Injuries, Mecklenburg Dental Society, Mecklenburg Area Health Education Center, Charlotte, NC, 1994
36. The Regenerative Neurobiology of Human Taste, 30th Annual Dental Students Conference on Research, School of Dentistry, UNC, 1994
37. Nerve Injuries in the Orofacial Region, Lee/Chatham County Dental Society, Area Health Education Center, Sanford, NC, 1995
38. Challenges in Oral and Maxillofacial Surgery, Guilford County Dental Society, Greensboro, NC, 1995
39. How to Determine and Support Normal Nerve Recovery, Mid-Winter Conference, AAOMS, Orlando, FL, 1995
40. Management of Nerve Injuries, Durham-Orange County Dental Society, Durham, NC, 1996
41. Nerve Injuries in the Orofacial Region - Painful Neuralgias of the Head and Neck, Mountain Area Health Education Center, Asheville, NC, 1996
42. Diagnosis, Prevention and Management of Trigeminal Nerve Disorders. An Intensive Course in Microsurgical Technique, Harvard School of Dentistry, Boston, MA, 1996
43. Nerve Injuries, Guy Willis Dental Study Club, Durham, NC, May 1, 1996
44. Augmented Reality Environment Technology in Oral Maxillofacial Surgery, Surgery Grand Rounds, Department of Surgery, UNC, School of Medicine, 1996
45. Lingual Regeneration, Chicago Association of Oral and Maxillofacial Surgeons, Chicago, Illinois, 1996
46. 3-D Modeling, Navigational CT, Virtual and Augmented Reality in Maxillofacial Surgery, ACOMS, Philadelphia, PA, 1996
47. Management of Neurological Disorders, Reactor, Oral Abstract Session 8, 79<sup>th</sup> Annual Meeting and Scientific Session, Seattle, WA, 1997
48. Neuroregenerative Biology of Human Taste, Department of OMS, Ohio State University, Columbus, OH, 1997
49. Course Director, The Salzburg Trauma, Reconstruction and Orthognathic Surgery Systems, Department of Oral and Maxillofacial Surgery, Howmedics Leibinger, Inc., School of Dentistry, The University of North Carolina, Chapel Hill, NC, 1997
50. Surgical Approach to TMJ, Coastal Area Health and Education Center, Wilmington, NC, 1998
51. Surgical Modalities: Treatment of TMD, Coastal Area Health and Education Center, Wilmington, NC, 1998
52. Taste Disorders in Oral and Maxillofacial Surgery, Department of OMS, University of Rochester, Genesse Hospital, Rochester, NY, 1998

53. Endodontic Induced Neuropathy, Randolph County Dental Society, Asheboro, NC, 1998
54. The Treatment of Temporomandibular Disorders in Patients with Chronic Pain, New York Dental Society, Third District Dental Society, Albany, NY, 1998
55. Regenerative Biology of Taste in Humans, Department of OMS, University of Washington, Seattle, WA, 1998
56. Guidelines for Post-operative Neurosensory Disorders in Oral and Maxillofacial Surgery, Dept. of OMFS, William Beaumont Army Medical Center, El Paso, TX, 1998
57. Clinical Trials in Oral-Facial Neurotrauma, Dept. of OMS, University of Michigan, School of Dentistry, Ann Arbor, MI, 1998
58. Microsurgery of the Trigeminal Nerve: Cadaver Workshop. Department of Oral and Maxillofacial Surgery, UMDNJ – New Jersey Dental School, March 29 – 31, 1999
59. Microsurgical Technique Course for Oral and Maxillofacial Surgeons, Department of Oral and Maxillofacial Surgery, UNC School of Dentistry, School of Medicine, UNC Hospitals, April 30 – May 2, 1999.
60. Guidelines in the Treatment in Peri-oral Nerve Injuries: What, When, How Much, and Why. Society of OMS Annual Meeting, Des Moines, IA, 2000
61. Nerve Injuries, AAOMS, 82<sup>nd</sup> Annual Meeting, San Francisco, CA, 2000
62. Prevention and Treatment of Complications of Mandibular Implants, CIG Educational Program, San Francisco, CA, Moderator, 2000
63. Randomized, Masked, Placebo-Controlled Clinical Trial of a Fast-Absorbing Oral Analgesic on Acute Dental Pain, University of Indiana, Indianapolis, IN, 2001
64. Disinhibition of Endogenous Pain Modulation by Chronic Recalcitrant TMD Pain, American Association of TMJ Surgeons, San Diego, CA, 2001
65. Diclofenac Potassium Softgel Clinical Trial Dental Pain Study, aaiPharma, Inc. New Orleans, LA, 2001
66. Guidelines for Treatment of Peri-oral Nerve Injuries, Iowa Society of Oral and Maxillofacial Surgeons Annual Meeting, Des Moines, Iowa, May 7, 2000
67. Montefiore Medical Center/Albert Einstein College of Medicine, “Assessment and Treatment of Neurologic Injuries of the Maxillofacial Region”, Bronx, NY, 2000
68. Nerve Injuries: A Clinician’s Guide to Diagnosis and Management. Indiana University Dept. of Oral and Maxillofacial Surgery, Medicine, and Pathology, June 10, 2000, Indianapolis, IN, 2000
69. Oral and Maxillofacial Microsurgery, The Oral and Maxillofacial Surgery Practice, Myrtle Beach, SC, 2002
70. Use of Contemporary Medications for Postoperative Dental Pain, The Department of Hospital Dentistry and Oral and Maxillofacial Surgery, Chapel Hill, NC, Oct 15, 2003
71. Guidelines for the Management of Acute Pain in Oral and Maxillofacial Surgery, Department of Oral and Maxillofacial Surgery, Fort Bragg and Army Program, Fayetteville,



NC, 2003

72. Use of Contemporary Medications for Postoperative Dental Pain, Department of Hospital Dentistry, UNC Dentistry and Hospitals, Chapel Hill, NC, 2003
73. Management of Temporomandibular Joint Disorders, Mountain AHEC, Asheville, NC, 2003
74. Current Advances in the Management of Oro-Facial Pain. The Zurkow Lecture. "Contemporary Management of the Recalcitrant TMD Patient," Univ. of Pennsylvania, Philadelphia, PA., 2003
75. Facial Nerve Injuries: "When Numbness Hurts". Charles R. Jerge Dental Seminar, 24<sup>th</sup> Annual Seminar. Department of Dentistry, Wake Forest University School of Medicine, Myrtle Beach, SC, 2003
76. Management of Inferior Alveolar Nerve Dysfunction Associated with Orthognathic Surgery, lunch & learn table clinic. 86<sup>th</sup> Annual Meeting and Scientific sessions, Sept 29-Oct 2, San Francisco, CA, 2004
77. Management of Temporomandibular Joint Disorders, Wake AHEC, Raleigh, NC, 2004
78. Management of TMD and Chronic Pain in Oral and Maxillofacial Surgery, Department of Oral and Maxillofacial Surgery, Fort Bragg and Army Program, Fayetteville, NC, 2004
79. Non-Narcotic Approaches to Oral and Maxillofacial Pain, Cape Fear Valley Health System, North Carolina Medical Society, Fayetteville, NC, 2004
80. Temporomandibular Joint Reconstruction with the TMJ Concepts Implant System. The Small-Terry-Baker Lecture, UNC at Chapel Hill, NC, 2004
81. Current Clinical Management of Acute and Atypical Facial Pain, American College of Oral and Maxillofacial Surgeons 27<sup>th</sup> Annual Scientific Conference and Exhibition, Las Vegas, NV, May 1-3, 2006
82. Dentoalveolar Surgical Complications, Comprehensive Oral and Maxillofacial Surgery Review Course, New York City, Sept 14-18, 2006
83. Trigeminal Nerve Injuries, Diagnostic Algorithm, and Operative Techniques, University of Kentucky, Department of Oral and Maxillofacial Surgery, August 24, 2007
84. Clinical Trials in Neurosensory Deficits Associated with Orthognathic Surgery, Center for Oral Health Research and AADR Lecture Series, University of Kentucky, Department of Oral and Maxillofacial Surgery, August 25, 2007
85. Dentoalveolar Surgical Complications, Comprehensive Oral and Maxillofacial Surgery Review Course, New York City, Sept 29, 2007
86. TMJ Arthroscopy Workshop, 3i Biomet Microfixation, Jacksonville, Florida, December 10, 2007
87. Guidelines for the Management of Nerve Injuries in Dentistry and Oral and Maxillofacial Surgery, 138<sup>th</sup> Annual Session of the Texas Dental Association, May 2, 2008, San Antonio, Texas
88. Hitting a Nerve, North Carolina Dental Society Meeting, May 22, 2010, Myrtle Beach, South Carolina

89. UT Southwestern OMS Research, Dallas Section of the North American Division International Association for Dental Research, March 3, 2011, Baylor School of Dentistry, Dallas, Texas
90. Nerve Injury and Neuropathic Pain, Mahan Alumni Association and Trigeminal Neuralgia Society, April 2, 2011, New Orleans, Louisiana
91. Trigeminal Nerve Injuries in Dental Practice, Oregon Dental Association Annual Meeting, April 8, 2011, Portland, Oregon
92. Facial Pain, diagnosis and management, Oregon Dental Association Annual Meeting, April 8, 2011, Portland, Oregon
93. Contemporary Management of Trigeminal Nerve Injuries in Oral and Maxillofacial Surgery, Oregon Oral and Maxillofacial Society, April 9, 2011, Portland, Oregon
94. Update on the Management of Trigeminal Nerve Injuries in Oral and Maxillofacial Surgery, University of Cincinnati, June 25, 2011, Cincinnati, Ohio
95. TMJ Surgery Dilemmas: Experience versus Evidence, Uniformed Services Health Services and Walter Reed Bethesda Hospital, April 5, 2012, Bethesda, Maryland
96. Facial Fractures, Traveler's Insurance Company, August 31, 2012, Richardson, Texas
97. Trigeminal Nerve Injury Management in Dentistry, Irving Dental Study Club, September 11, 2012, Irving, Texas
98. Trigeminal Nerve Injury and Repair Outcomes on Neuropathic Pain, Society for Neurosciences: Arlington-Fort Worth Chapter, University of Texas Arlington, February 1, 2013
99. Processed nerve graft outcomes using AVANCE, University of Texas Health Sciences Center at San Antonio, School of Dentistry, Department of Oral and Maxillofacial Surgery, San Antonio, Texas, August 15, 2013
100. Benchmarks for OMS Faculty: Academic Practice Productivity, OMS Faculty Summit, Day 1, 95<sup>th</sup> Annual AAOMS Scientific and Education Meeting, Orlando, Florida, October 6, 2013
101. Reconstruction of Lingual and Inferior Alveolar Nerves, Division of Oral and Maxillofacial Surgery Grand Rounds, University of Miami Division of Oral and Maxillofacial Surgery, Department of Surgery, Miami Florida, May 5, 2014
102. Sensory Outcomes Following Reconstruction of Lingual and Inferior Alveolar Nerve Discontinuities Using Processed Nerve Allograft, Miami Oral and Maxillofacial Society, Miami, Florida, May 5, 2014
103. Contemporary Strategies for Management; Innovative Treatment Options for Trigeminal Nerve Injuries. AxoGen Sponsored, 96<sup>th</sup> Annual AAOMS Scientific and Education Meeting, Honolulu, Hawaii, Wednesday, September 9, 2014
104. Morbidity and Mortality on Maxillofacial Neurologic Disorders; Case #3. 96<sup>th</sup> Annual AAOMS Scientific and Education Meeting, Honolulu, Hawaii, Saturday, September 13, 2014.

105. Risk Factors for Neuropathic Pain Following Trigeminal Nerve Repair. Eastman Institute for Oral Health, Rochester, New York, October 23, 2014.
106. Clinical Neurosensory Evaluation; Innovations and Best Practices for the Treatment of Trigeminal Nerve Injuries. Dallas, Texas, November 7, 2014
107. Contemporary Trigeminal Nerve Repair; Innovations and Best Practices for the Treatment of Trigeminal Nerve Injuries. Dallas, Texas, November 7, 2014
108. Immediate Reconstruction of the Inferior Alveolar Nerve with Ablation of Benign Tumors of the Mandible; ; Innovations and Best Practices for the Treatment of Trigeminal Nerve Injuries. Dallas, Texas, November 7, 2014
109. An Introduction to High Fidelity Simulation and Mock Codes: Practice for the Management of Sedation and Anesthesia Emergencies. Dallas, Texas, February 7, 2015
110. Nerve Injuries and Managing Post-operative Complications following Extractions, Virtual Innovative Practice Systems Dental Study Club, Ponder, Texas, February 9, 2015
111. Program Reimbursement for Trauma, American Academy of CranioMaxillofacial Surgeons Annual Meeting, Houston, Texas, Friday, May 29, 2015
112. Neuroscience and Oral and Maxillofacial Surgery, University of Rochester Oral and Maxillofacial Surgery Graduation Program, Rochester, New York, June 26, 2015
113. New Modalities for Trigeminal Nerve Injuries: From Detection to Immediate Reconstruction Department of Oral and Maxillofacial Surgery, Massachusetts General Hospital, October 14, 2015
114. Lingual Nerve Injuries, Advanced Training Program in Oral and Maxillofacial Surgery, Department of Oral and Maxillofacial Surgery, Massachusetts General Hospital, October 15, 2015
115. Clinical Neurosensory Evaluation; Innovations and Best Practices for the Treatment of Trigeminal Nerve Injuries. Atlanta, Georgia, November 5, 2015
116. Inferior Alveolar Nerve Repair Technique; Innovations and Best Practices for the Treatment of Trigeminal Nerve Injuries. Atlanta, Georgia, November 6, 2015
117. New Modalities in Trigeminal Nerve Injury Management: From Detection to Immediate Reconstruction. Department of Oral and Maxillofacial Surgery, University of Pennsylvania, December 2, 2015
118. Reconstruction of the lingual and inferior alveolar nerve in 2016 forward. NYU Grand Rounds, Department of Oral and Maxillofacial Surgery, Department of Plastic and Reconstructive Surgery, New York, New York, January 10, 2016
119. New Modalities in trigeminal nerve injury management: from detection to immediate reconstruction. Regional New York City Oral and Maxillofacial Surgery Programs, Blue Water Grill, New York, New York, January 10, 2016
120. Safety and Effectiveness of Office-Based Anesthesia in the Surgeon's Practice. Department of Surgery Grand Rounds, University of Texas Southwestern Medical Center at Dallas, Dallas, Texas, January 27, 2016

121. What Makes a Good Nerve Repair. Yale University, Department of Oral and Maxillofacial Surgery with handling laboratory. Yale University, New Haven, Connecticut, March 11, 2016
122. How My Nerve Algorithm Has Evolved, American College of Oral and Maxillofacial Surgeons, Annual meeting, San Juan, Puerto Rico, April 11, 2016
123. The Management of the Inferior Alveolar Nerve in Benign Pathology of the Mandible, The Division of Oral and Maxillofacial Surgery, Department of Surgery, The University of Nebraska, Omaha, Nebraska, June 10, 2016
124. An Overview on Trigeminal Nerve Injuries and their Management, The Mayo Clinic, Division of Oral and Maxillofacial Surgery, Department of Surgery, Mayo Clinic, Rochester, Minnesota, November 12 and 13, 2016.
125. The Prevention, Recognition, Management and Prognosis of Nerve Injuries, 2017 Summer Meeting, Georgia Society of Oral and Maxillofacial Surgeons, Greensboro, Georgia, August 12, 2017
126. Opportunities to Improve Sensation for Patients in Oral and Maxillofacial Procedures, Annual AxoGen Analyst Day, New York, New York, November 20, 2017
127. IAN Nerve Repair Techniques, The Brooklyn Hospital Center, Department of Dentistry/Oral & Maxillofacial Surgery, Anatomy Cadaver Surgical Course, Hicksville NY, January 28, 2018
128. Diagnosis and Outcome Assessment; Nerve Repair after Mandible Resection, Neuropathic Pain, Advances and Best Practices in Oral and Maxillofacial Nerve Repair, AxoGen, Orlando, Florida, February 9 – 10, 2018
129. MR Neurography in Trigeminal Neuropathies. 18<sup>th</sup> Annual H. David Hall Lecture, Vanderbilt University Department of Oral and Maxillofacial Surgery, Nashville, Tennessee, April 14, 2018
130. Inferior Alveolar Nerve Reconstruction with Ablative Procedures. 18<sup>th</sup> Annual H. David Hall Lecture, Vanderbilt University Department of Oral and Maxillofacial Surgery, Nashville, Tennessee, April 14, 2018
131. Managing Trigeminal Neuropathic Pain: Is Surgery Enough? 18<sup>th</sup> Annual H. David Hall Lecture, Vanderbilt University Department of Oral and Maxillofacial Surgery, Nashville, Tennessee, April 14, 2018
132. KEYNOTE: Nerve Testing to Determine Treatment Expectations in Neuropathic Pain. American Academy of Orofacial Pain 42<sup>nd</sup> Annual Scientific Meeting – Evidence Based Treatment for Orofacial Pain: Consensus or Controversy, Chicago, IL, April 27, 2018.
133. Inferior Alveolar Nerve Repair Techniques: basic techniques, evidence base and case reviews. NYU Department of Oral and Maxillofacial Surgery, New York, New York, August 1, 2018
134. Trigeminal Nerve Injuries: Diagnosis and Management. DocMatter Webinar, August 7, 2018
135. Advances & Best Practices in Oral Maxillofacial Nerve Repair, Program Director, September 14-15, 2018, Dallas, Texas

136. Reconstruction Breakouts: Clinical Neurosensory Testing. 100<sup>th</sup> Annual Scientific Sessions and Exhibits AAOMS, October 12, 2018
137. The Role of Effective/Safe Nerve Allografts and MR Detection in the Diagnosis and Management of Traumatic and Planned Trigeminal Nerve Injuries” Florida Oral and Maxillofacial Surgeons Annual Meeting, Orlando, Florida, October 26, 2018
138. Nerve Reconstruction and MRN. Seventh Annual ACOMS Resident Meeting, Texas A&M School of Dentistry, Dallas, Texas, November 10, 2018
139. Evidence Based Algorithms, Diagnostics and Outcome Assessment, Nerve Repair during Mandibular resection, Educating patients and setting Expectations, Billing and Coding, in Advances and Best Practices in Nerve Management: Maxillofacial Reconstructive Surgery, Program Director, Dallas, Texas, August 23 -24, 2019
140. I Can See Your Nerves. Vikings Study Club, Hyannis, Massachusetts, September 16, 2019
141. Dentoalveolar Breakout: Research and Innovation – Magnetic Resonance Neurography, AAOMS 101<sup>st</sup> annual Scientific and Clinical Meeting, Boston, Massachusetts, September 21, 2019
142. I Can See Your Nerve. Arizona Society of Oral and Maxillofacial Surgeons. Phoenix, Arizona, November 7, 2019.
143. Advances and Best Practices in Nerve Management: Maxillofacial Reconstructive Surgery. Program Host and presenter, Phoenix, Arizona, November 15 – 16, 2019.
144. Advanced Practice in Trigeminal Nerve Injuries – 2020, The Richard Simone Memorial Lecture, Maryland Society of Oral and Maxillofacial Surgeons, Ellicott City, Maryland, March 4, 2020.
145. Trigeminal Nerve Diagnosis and Treatment Planning, Collaborative OMS Vertical Inter-Institutional Didactic (COVID) Lecture – Zoom virtual, May 14, 2020
146. Preventative Pearls/strategies for avoiding painful neuropathies: non-surgical and surgical options. AAOMS Virtual Annual Meeting, Oct 3, 2020.
147. The Role of Long-Span Nerve Allograft in Reconstruction of the Mandible in Pediatric Patients, Stephen B. Milam Lecture, Department of Oral and Maxillofacial Surgery, University of Texas Health Sciences Center at San Antonio, School of Dentistry, November 19, 2020
148. Masterminds Nerve/Part 2, Perioperative Nerve Evaluations with Emerging Technologies. AxoGen – upper extremity program, May 21, 2021
149. Non-Surgical Management and Pharmacologic Therapy/Management of Dysethesia/Trigeminal Pain. AAOMS Webinar series on Nerve Grafting. June 23, 2021.
150. Coachability. 2021 Advanced Residency Program in Oral and Maxillofacial Surgery Graduation, Parkland Hospital, Keynote invited speaker, Dallas, Texas, June 25, 2021
151. Advances in Peripheral Nerve Repair and Regeneration, Osteo Sciences Foundation, 2021 Webinar Series, October 12, 2021

152. Advances and Best Practices in Nerve Management, AxoGen Course, Marina del Ray, CA, October 16, 2021
153. Nerve Grafts in Head and Neck Reconstruction A Technological Advancement to Improve Quality of Life. Head and Neck and Oral and Maxillofacial Surgery, John Peter Smith Hospital, Fort Worth, Texas February 22, 2022
154. Enhanced Clinical Practice Through Informed, Confident Decisions When Treating Trigeminal Nerve Injuries and Neuropathies, the 29<sup>th</sup> Annual Robert Allen Oral and Maxillofacial Surgery Lecture, Midwest Dental Conference, Department of Oral and Maxillofacial Surgery, University of Missouri-Kansas City, April 21, 2022, Kansas City, Missouri
155. Overview of the Key Elements of Clinical Trial Design, 2022 AAOMS Clinical Trials Methods Course, Rosemont, IL, May 4, 2022.
156. Advanced Practice in Trigeminal Nerve Injuries, 2022 Ohio Society of Oral and Maxillofacial Surgeons Annual Scientific Meeting, Westerville, Ohio, May 21, 2022
157. TMJ Track: Hot-off-the-press and Abstract Session, Moderator, 104<sup>th</sup> AAOMS Annual Meeting, Scientific Sessions and Exhibition, September 15, 2022, New Orleans, Louisiana
158. Current Nerve Injury Diagnosis with MRN, Nerve and Reconstruction Plenary, 104<sup>th</sup> AAOMS Annual Meeting, Scientific Sessions and Exhibition, September 16, 2022, New Orleans, Louisiana
159. How Does Nerve Injury Affect Dental Implant Practice? 2023 Reichmann Lecture, 100<sup>th</sup> Anniversary, Department of Oral and Maxillofacial Surgery, University of Oklahoma (HSC), March 4, 2023, Oklahoma City, Oklahoma
160. Diagnosis and Treatment of Temporomandibular Disorders. UT Southwestern Otology Conference, March 15, 2023, Dallas, Texas
161. Orofacial Pain and Trigeminal Neurosensory Disorders, Dallas Internist Club Meeting, April 20, 2023, Dallas, Texas
162. Why the World Needs Another Foundation? Viking Study Group, June 5, 2023, Seattle, Washington
163. What is new with Long-Span Nerve Allograft, 2023, AxoGen Inc., Tampa, FL, 12/5/2023
164. Trigeminal Nerve Surgical Techniques, Columbia Oral and Maxillofacial Surgery Grand Rounds, New York City, NY, 1/25/24
165. Evidence Base Diagnosis and Treatment for Trigeminal Nerve Injuries, UNC Department of Oral and Maxillofacial Surgery, School of Dentistry Resident Conference Series, March 13, 2024, Zoom webinar
166. Magnetic Resonance Neurography for the Diagnosis of Trigeminal Nerve Injuries in 2024. Virginia Commonwealth University, Department of Oral and Maxillofacial Surgery, Grand Round Conferences, March 20, 2024, Zoom Webinar
167. Post-Traumatic Trigeminal Neuropathic Pain: Nerve Injury Following Dental Treatment, The Facial Pain Association. April 28, 2024. Zoom Webinar

International

1. A Comparative Analysis of Primary and Secondary Microvascular Anastomotic Repair of the Mental Nerve, Ninth International Conference on Oral and Maxillofacial Surgery, Vancouver, Canada, 1986
2. Trigeminal Nerve Microsurgery, Dept. of Surgery, Division of Plastic and General Surgery, AKH, University of Vienna, Vienna, Austria, 1995
3. Therapy for Neurosensory Disorders of the Head and Neck, University Clinic for Dentistry, University of Vienna, Austria, 1995
4. TMD and Nerve Injury, Moderator, Oral Abstract Session 13, AAOMS 77th Annual Meeting and Scientific Session, Toronto, Canada, 1995
5. Short-term Sensory Impairment after Orthognathic Surgery, Austrian Society of Oral & Maxillofacial Surgeons, Semmering, Austria, 2002
6. Maladaptive Pain Modulation by Chronic Recalcitrant TMD Pain, Austrian Society of Oral & Maxillofacial Surgeons, Semmering, Austria, 2002
7. Alloplastic Reconstruction of the Temporomandibular Joint Following Condylar Trauma, 1<sup>st</sup> Congresso Regionale di Chirurgia Maxillo-Facciale “La specialita e il territorio”, Messina, Sicily, October 2004
8. Orofacial Pain, Temporomandibular Disorders, Temporomandibular Joint Surgery, Trigeminal Nerve Evaluation, Treatment and Management, Department of Oral and Maxillofacial Surgery, National Dental Centre, Singapore, January 23 – 31, 2007.
10. Pharmacologic Agents for Orofacial Pain, Department of Oral and Maxillofacial Surgery, The National University of Singapore, Singapore, January 29, 2007
11. Medical Legal Aspects of Nerve Injury Following Third Molar Surgery, Singapore Society of Oral and Maxillofacial Surgeons, Singapore, January 29, 2007
12. Trigeminal Nerve Injuries in Oral and Maxillofacial Surgery, International Lecturer, Clinica Alemana, Oral and Maxillofacial Surgery, University of Desarrollo, Santiago, Chile, November 30, 2007
13. Sensorimotor Injuries in Craniomaxillofacial Trauma, Congresso Internacional, “Contemporary Handling of Trauma Craneomaxilofaci al”, Instituto Mexicano del Seguro Social, la Facultad de Medicina de la Universidad nacional Autonoma de Mexico, Mexico City, March 22, 2010
14. Reconstruction of the Trigeminal and Facial Nerves, Congresso Internacional, “Contemporary Handling of Trauma Craneomaxilofaci al”, Instituto Mexicano del Seguro Social, la Facultad de Medicina de la Universidad nacional Autonoma de Mexico, Mexico City, March 22-24, 2010
15. Reconstruction of the Temporomandibular Joint with the Total Joint Prosthesis, ACBID (Turkish Society of Oral and Maxillofacial Surgeons), 6<sup>th</sup> International Congress, Belek, Antalya, Turkey, June 1, 2012

16. Temporomandibular Joint Surgical Arthroscopy with or without Discopexy, ACBID (Turkish Society of Oral and Maxillofacial Surgeons), 6<sup>th</sup> International Congress, Belek, Antalya, Turkey, June 1, 2012
17. Risk Factors Associated with Neuropathic Pain Following Trigeminal Nerve Repair. International Congress on Oral and Maxillofacial Surgery, Barcelona, Spain, October 22, 2013
18. Trigeminal Sensory Recovery Using Processed Nerve Allografts for Large Continuity Defects, International Congress on Oral and Maxillofacial Surgery, Barcelona, Spain, October 20, 2013
19. Processed Nerve Allografts for Reconstructing Trigeminal Nerve Injuries in Maxillofacial Surgery. Department of Oral and Maxillofacial Surgery, Ludwig-Maximilians-Universitat, Munich, Germany, July 14, 2014
20. The Art and Science of TMJ Surgery – Disc Repositioning Surgery, College of Maxillofacial Surgeons of the Social Services of Mexico, Ninth Reunion of International Academy, Mexico City, Mexico, February 18, 2015
21. The Art and Science of TMJ Surgery – Condylar Trauma Surgery, College of Maxillofacial Surgeons of the Social Services of Mexico, Ninth Reunion of International Academy, Mexico City, Mexico, February 19, 2015
22. The Art and Science of TMJ Surgery – Total Joint Reconstructive Surgery, College of Maxillofacial Surgeons of the Social Services of Mexico, Ninth Reunion of International Academy, Mexico City, Mexico, February 19, 2015
23. Temporomandibular Joint Disorders and Arthroscopy, The Columbian Association of Oral and Maxillofacial Surgery (ACCOMF) XXXIX Annual Conference Meeting, Cali, Columbia, March 27, 2015
24. Reconstruction of the Temporomandibular Joint: The Columbian Association of Oral and Maxillofacial Surgery (ACCOMF) XXXIX Annual Conference Meeting, Cali, Columbia, March 27, 2015
25. Trigeminal Nerve Repair and Microsurgery: The Columbian Association of Oral and Maxillofacial Surgery (ACCOMF) XXXIX Annual Conference Meeting, Cali, Columbia, March 28, 2015
26. New Modalities for Trigeminal Nerve Injuries: From Detection to Immediate Reconstruction. Departments of Oral and Maxillofacial Surgery, National University of Singapore and National Dental Centre, Singapore, May 26, 2016
27. Trigeminal Nerve Lesions and Repair: Outcomes Following Reconstruction of Lingual and Inferior Alveolar Nerve Injuries in non-Neuropathic and Neuropathic Pain Patients, Symposium Orofacial Neuropathic Pain in Clinical Practice, Santiago De Compostela, Spain, June 24, 2016
28. The Art and Science of Temporomandibular Joint Surgery: From Injection to Total Joint Replacement, Symposium Orofacial Neuropathic Pain in Clinical Practice, Santiago De Compostela, Spain, June 24, 2016
29. Advanced Practices in Trigeminal Nerve Surgery, AxoGen , London, UK, September 24, 2019
30. Surgical Management Using AVANCE Nerve Allografts. Facial Palsy Conference, University of Vienna AKH, Vienna, Austria, September 26, 2019



31. Trigeminal Nerve Injury Diagnosis and Treatment, Saudi Society of Oral and Maxillofacial Surgeons, Riyadh, Saudi Arabia (virtual), July 17, 2020
32. Trigeminal Neuropathic Pain Diagnosis and Treatment, Saudi Society of Oral and Maxillofacial Surgeons, Riyadh, Saudi Arabia (virtual), July 18, 2020
33. Orofacial Neuropathic Pain: Neurosensory Examination and Test Algorithms, Workshop, XXXII Congress Meeting Spanish Society of Oral and Maxillofacial Pain and Craniomandibular Disorders (SEDCYDO), Santiago de Compostela, Spain, June 17, 2022
34. Trigeminal Nerve Repair with Nerve Allografts, Workshop, XXXII Congress Meeting Spanish Society of Oral and Maxillofacial Pain and Craniomandibular Disorders (SEDCYDO), Santiago de Compostela Spain, June 17, 2022
35. Wisdom teeth, implants, endodontics and trigeminal Lesions in the Dental Practice, Learning Lunch, XXXII Congress Meeting Spanish Society of Oral and Maxillofacial Pain and Craniomandibular Disorders (SEDCYDO), Santiago de Compostela Spain, June 18, 2022
36. The Best Treatment Options for Trigeminal Nerve Injuries, XXXII Congress Meeting Spanish Society of Oral and Maxillofacial Pain and Craniomandibular Disorders (SEDCYDO), Santiago de Compostela Spain, June 18, 2022
37. Nerve Allograft in Trauma and Tumor Resection. Nerve Injury Symposium. International Conference in Oral and Maxillofacial Surgery, Vancouver, Canada, June 9, 2023

#### Invited Symposiums

1. Symposium on Neurologic Disorders (invited speaker), First World Conference of the American College of Oral and Maxillofacial Surgeons, Boston, MA, 1993
2. Symposium on Innovative Technology in Oral and Maxillofacial Surgery (invited speaker), Annual Meeting of the American College of Oral and Maxillofacial Surgeons, Philadelphia, PA, 1996
3. Failed TMJ Implant Workshop (invited participant), National Institute of Dental Research, Bethesda, MD, 1997
4. Symposium on musculoskeletal and Neuropathic Pain: Understanding the Common Ground (invited speaker), AAOMS 79<sup>th</sup> Annual Meeting, Seattle, WA, 1997
5. Guidelines in the Treatment of Nerve Injuries: What, When, How much, and Why (invited speaker), 142<sup>nd</sup> Annual Session, North Carolina Dental Society, Myrtle Beach, SC, 1998
6. Pain Management in Oral and Maxillofacial Surgery: Meeting ADA Guidelines and Patient Needs. Pain Management Consensus Conference (invited speaker), New York City, NY, 1999
7. Symposium on Managing the Patient with Intractable Temporomandibular Joint and Facial Pain, AAOMS, 82<sup>nd</sup> Annual Meeting, San Francisco, CA, 2000
8. Neurosensation and Orthognathic Surgery in Orthognathic Surgery and Orthodontics: The Third Millenium, Atlanta, GA (invited speaker), 2001
9. Nerve Injuries for Oral and Maxillofacial Surgeons: Clinical Problems and Solutions, Connecticut Society of Oral and Maxillofacial Surgeons 35<sup>th</sup> Annual Educational Symposium, Westbrook, CT, 2002

10. Immediate Trigeminal Nerve Reconstruction in Benign Tumor Surgery of the Mandible, in “Interdisciplinary Problem Solving in Cranio-Maxillofacial Surgery, Charlotte, NC, 2002
11. Salzburg Lag Screw Trauma System, in “Interdisciplinary Problem Solving in Cranio-Maxillofacial Surgery, Charlotte, NC, 2002
12. Symposium on Neural Complications in Dentoalveolar Surgery, AAOMS, 84<sup>th</sup> Annual Scientific Sessions and Exhibition, Chicago, IL, 2002
13. The Clinical Applications of the Basic Sciences, The University of Rochester, First All-Alumni Reunion and Symposium, Naples, FL, 2003
14. Rapid Absorption Pharmacokinetic Therapy for Acute Oral Pain, Symposium Innovation der Cranio Maxillofacialen Chirurgie, Allgemeines Krankenhaus der Stadt Wien, Vienna, Austria, 2003
15. Management of Inferior Alveolar Nerve Dysfunction Associated with Orthognathic Surgery. Symposium on Neural Reconstruction in the Orofacial Region. AAOMS 86<sup>th</sup> Annual Meeting and Scientific Session, San Francisco, CA, 2004
16. The Role of the Oral and Maxillofacial Surgeon in the Management of Trigeminal Neuralgia and Post-Traumatic Trigeminal Neuropathy, Dr. Earle Williams Lectureship in Oral and Maxillofacial Surgery, Southwest Dental Conference, Dallas, Texas, 2007
17. Trigeminal Neuropathic Pain Conditions and Temporomandibular Joint Surgery, Key Note Speaker, American Society of Temporomandibular Joint Surgeons Annual Meeting, Ojai Valley, California, March 2, 2007
18. A Paradigm Shift in Orthognathic Surgery: 3-D Accelerated In-Office Orthognathic Surgery and Increased Orthodontic Efficiency, Introduction and Faculty Advisor, UT Southwestern Medical Center at Dallas and Baylor School of Dentistry, Southlake, Texas, November 9 and 10, 2007
19. TMJ Bioengineering Conference: A Ground-Breaking Forum for Scientists, Surgeons, and Bioengineers to Address Temporomandibular Joint Disorders: Post-Traumatic Neuropathic Pain Following Temporomandibular Joint Surgery, Broomfield, Colorado, Nov 4-7, 2009
20. William H. Bell Lectureship Accelerated Orthognathic Surgery and Increased Orthodontic Efficiency: a paradigm shift, Ambulatory Pain Control for Orthognathic Surgery: continuous infusion modality, Dallas, Texas, Nov 13-15, 2009
21. Director, Academico del Congreso, Congreso Internacional, “Management Contemporary Craniomaxillofacial Trauma”, International Mexican Social Services and Mexican Academy of Surgeons, Mexico City, March 22-24, 2010
22. Outcomes for Reconstructing the Trigeminal Nerve with AVANCE® Nerve Graft, in Contemporary Approaches to Nerve Protection and Repair, American College of Oral and Maxillofacial Surgeons Annual Scientific Meeting, Scottsdale, Arizona, April 20-22, 2013
23. Clinical Neurosensory Evaluation, Innovations & Best Practices for the Treatment of Trigeminal Nerve Injuries, Chicago, Illinois, November 8, 2013
24. Peripheral Nerve Repair: History and Evolution, Innovations & Best Practices for the Treatment of Trigeminal Nerve Injuries, Chicago, Illinois, November 8, 2013

25. Case Studies and Clinical Applications: Lab Module 1 and 2, Innovations & Best Practices for the Treatment of Trigeminal Nerve Injuries, Chicago, Illinois, November 9, 2013
26. Maxillofacial Educational Series: Regional Course Trauma and TMJR, Dallas, Texas, January 31, 2015
27. TMJ Symposium, Session Chair: International Conference of Oral and Maxillofacial Surgeons, Melbourne, Australia, October 27, 2015
28. Symposium Dolor Neuropatico Orofacial en la Practica Clinica: Diagnostico y tratamiento medico y quirurgico del dolor neuropathico, Santiago De Compestela, Spain, June 24, 2016
29. Pathology-Related Nerve Injuries: From the Microscope to the Patient: What to Do Next in Lingual and Inferior Alveolar Nerve Injuries. AAOMS 98<sup>th</sup> annual scientific sessions and exhibition, Las Vegas, Nevada, September 20, 2016
30. Magnetic Resonance Neurography for Trigeminal Nerve Injuries: Clinical Correlation with Nerve Injuries, Clinical and Scientific Innovations for Oral and Maxillofacial Surgeons (CSIOMS), Rosemont, IL, April 27, 2019.
31. MRI Nerve Imaging, My Experience of 30+ Years of Trigeminal Nerve Repair. In Advancements and Innovations in Surgery: OMS, ENT/Head and Neck & Facial Plastics. Coronado, San Diego, CA, May 14, 2022