

## OdontolCURRICULUM VITAE

James L. Gutmann, DDS, Cert Endo, PhD (honoris causa), FACD, FICD, FADI,  
FAHD, Diplomate ABE, Professor Emeritus, Texas A&M University Baylor  
College of Dentistry, Dallas, Texas

### I. PERSONAL DATA

Name: James Leo Gutmann, D.D.S.  
Social Security Number: 393-44-1111  
Date of Birth: October 2, 1945  
Place of Birth: Milwaukee, Wisconsin  
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### II. EDUCATION

1964-1966 Marquette University, Milwaukee, Wisconsin  
1966-1970 D.D.S., Marquette University, School of Dentistry, Milwaukee,  
Wisconsin  
1972 Resident Endodontics, West Side V.A. Hospital Chicago, Illinois  
1972 Certificate in Advanced Specialty Training in Endodontics,  
University of Illinois, College of Dentistry  
1972 Army Medical Department Officer Basic Course, Brooke Army  
Medical Center, Fort Sam Houston  
1978-79 Graduate Courses in Instructional Systems Design – 9 hours,  
University of Maryland Baltimore Country, Baltimore, Maryland

## II. EXPERIENCE IN HIGHER EDUCATION

### A. Teaching Positions and Responsibilities

- 1972-1974 Director, Endodontic Residency Program for General Dentists, Fort Lee, Virginia
- Responsibilities: Clinical supervision and literature seminars.
- 1972-1974 Instructor, U.S. Army Dental Therapist Program, Fort Lee, Virginia
- Responsibilities: Lecture, laboratory, and clinical instruction in "Tooth Development" and "Rubber Dam Technique".
- 1973-1974 Assistant Clinical Professor of Endodontics, Virginia Commonwealth University, Medical College of Virginia, School of Dentistry, Richmond, Virginia
- Responsibilities: Undergraduate clinical and laboratory teaching; lectures in Endodontics to 3rd and 4th year students.
- 1975-1976 Assistant Professor of Endodontics, Virginia Commonwealth University, Medical College of Virginia, School of Dentistry, Richmond, Virginia
- Responsibilities: Undergraduate lecture, Junior and Senior; undergraduate clinical and laboratory teaching.
- Postgraduate seminars in surgery, literature review, and clinical teaching.
- 1976-1978 Assistant Professor and Chairman, Department of Endodontics, Baltimore College of Dental Surgery, Dental School, University of Maryland at Baltimore, Baltimore, MD 21201
- Responsibilities: Undergraduate course development (ENDO 521,531,541). Undergraduate lecture, laboratory, and clinical instruction. Proctor of endodontic Clerkship II Program. All administrative responsibilities for preclinical program.
- Post-Graduate clinical and seminar teaching and thesis direction.

- 1978-1981 Director of Post Graduate Endodontic Program
- Responsibilities: Full responsibility for program administration and biologic seminars-ENDO 568; Major responsibility for clinical practice-ENDO 569 and research and thesis direction-ENDO 579.
- 1978-1982 Associate Professor (Tenured) and Chairman, Department of Endodontics, Baltimore College of Dental Surgery, Dental School, University of Maryland at Baltimore, Baltimore MD 21201
- 1978-1982 Associate Member of Graduate Faculty, University of Maryland at Baltimore
- 1982-92 Professor (Tenured) and Chairman, Department of Endodontics, Baylor College of Dentistry, 3302 Gaston Ave., Dallas, Texas 75246
- Responsibilities: Teaching, research and administrative supervision and evaluation of faculty and departmental programs.
- 1983-2005 Research Professor, Department of Endodontics, Baltimore College of Dental Surgery, Dental School, University of Maryland at Baltimore, Baltimore, MD 21201
- 1983-96 Graduate Faculty, Baylor University, Waco, Texas
- 1990-98 Adjunct Clinical Professor, Department of Restorative Sciences, Marquette University School of Dentistry, Milwaukee, Wisconsin 53233
- 1991 Visiting Professor, University of Stellenbosch, Faculty of Dentistry, Tygerberg, South Africa
- 1992-02 Professor, Department of Restorative Sciences, Director, Graduate Program in Endodontics, Department of Restorative Sciences, Baylor College of Dentistry, Dallas, Texas
- 1995 Visiting Professor, University of Stellenbosch, Faculty of Dentistry, Tygerberg, South Africa
- 2005 Honorary Professor, Wuhan University School of Stomatology, Wuhan, China

2009

Professor Emeritus, Restorative Sciences, Baylor College of Dentistry, Texas A&M University Health Science Center

**B. Thesis Committees and Student Mentoring**

<b>Student</b>	<b>Year</b>	<b>Degree</b>	<b>Title</b>	<b>Thesis Committee Thesis Mentor</b>
Creel, D.	1990	M.S.	A histological evaluation of the osseous and soft tissue responses to the use of fibrin sealant in surgical wound closure	Committee
Craig K.	1990	M.S.	The evaluation of radicular and periradicular wound healing following citric acid demineralization of apically resected root ends	Committee
Johnson S.	1991	M.S.	Periradicular wound healing following the use of IRM as a root-end filling material	Committee
Miller E.	1991	M.S.	The evaluation of radicular and peiradicular wound healing following root-end filling with glass-ionomer cement	Committee
Snyder, S.	1992	M.S.	Periradicular healing in response to Diaket root-end filling material with and without Tricalcium Phosphate	Committee & Mentor
Bruce, S.	1992	M.S.	The effect of osteoinductive implants on wound healing following periradicular surgery	Committee
Jurosky K.	1993	M.S.	A histological evaluation of osseous and soft tissue wound healing in response to two flap designs used in endodontic surgical procedures	Committee
Koenig C.	1993	M.S.	The combined influence of the angulation of resection and citric acid application on the maintenance of the apical seal	Committee & Mentor
Roda R.	1993	M.S.	Reliability of apical dye sealability studies with and without vacuum removal or air inclusions	Committee & Mentor

Ida R.	1995	M.S.	The effects of extracellular calcium and pH changes on intracellular calcium regulation in a rat pulpal clonal cell line RDP 4-1	Committee
Douthitt J.	1996	M.S.	Management of marginal alveolar bone defects during periradicular surgery using the Guidor bioresorbable matrix barrier	Committee & Mentor
Creagh D.	1996	M.S.	The effect of alkaline phosphatase and phosphophoryn on periradicular wound healing when used as an intermediate filling material	Committee & Mentor
Witherspoon D.	1997	M.S.	The effects of alkaline phosphatase and phosphophoryn on periradicular wound healing following periradicular surgery	Committee & Mentor
Laghios C.	1998	M.S.	Immunobiochemical and radiographic study of various root-end fillings	Committee
Januberzins A.	1999	M.S.	Effects of $Ca(OH)_2$ and TGF- $\beta$ on osteoblast activity	Committee
Gaitán J. R.	1999	M.S.	Molecular biological assessment of the periradicular extracellular matrix following simultaneous surgical endodontic treatment and orthodontic tooth movement	Committee & Mentor
Gruber D. C.	1999	M.S.	Neural characterization after evening primrose oil application in a diabetic inflammatory state	Committee & Mentor
Trautmann G.	2000	M.S.	An evidenced based model to determine predictably successful methods and materials for the restoration of endodontic access openings in teeth with artificial crowns	Committee & Mentor
Levine D.F.	2000	M.S.	Molecular biological characterization of developing periradicular lesions in an HIV/AIDS model	Committee & Mentor
McNaught A.	2000	M.S.	Development of an in-vivo microdialysis model to	Committee & Mentor

Amir F.	2001	M.S.	characterize the inflammatory process in periradicular disease NGF and CGRP immunoreactivity following contralateral injury in the Zucker diabetic rat	Committee
Dominguez M.	2001	M.S.	An integrated molecular biological and histological characterization of the reparative dentin response to contemporary pulp capping and pulpotomy materials	Committee & Co-Mentor
Ham K.	2001	M.S.	Evaluation of BMP-2, TGF- $\beta$ 1 , PDGF expression and histological characteristics during apexification with calcium hydroxide and mineral trioxide aggregate	Committee & Co-Mentor
Ne R.	2001	M.S.	Histological, immunohistological and X-ray Energy Dispersive Spectroscopic analysis of tissue response to the use of original vs. commercial MTA In periradicular endodontic surgery	Committee
Trasatti, C.	2002	M.S.	The in vitro effect of PepGen P-15, Osteograf N-300 and BioOss on mineralization, TGF- $\beta$ 1 and IL-1 production by osteoblasts	Committee
Cope J.	2002	M.S.	Clinical outcomes assessment of single visit non-surgical root canal treatment and retreatment with associated periradicular radiolucencies	Committee & Mentor
Mohammed, M.	2002	M.S.	Assessment of cell proliferation, mineral nodule formation and apoptosis of osteoblasts that survive the challenge with sodium hypochlorite	Committee
Satchell, P	2002	M.S.	Conservation and variation in enamel matrix protein distribution throughout vertebrate evolution development	Committee
Perez, A.L.	2003	M.S.	Characterization and comparison of the response of primary osteoblasts and MG63 osteosarcoma cells to MTA (Mineral Trioxide	Committee

Loftus, D.	2003	M.S.	Aggregate) in cell culture Histological and immunohistological comparison of tissue responses to ProRoot MTA compared to White MTA	Committee
Menhinick, K.	2003	M.S.	The efficacy of pain control following non-surgical root canal treatment using a combination of acetaminophen and ibuprofen or acetaminophen and codeine in a randomized, double-blind, single dose study	Committee & Co- Mentor
Al Awadhi, S	2003	M.S.	Cultured primary osteoblast viability and apoptosis in the presence of root canal sealers.	Committee

#### **IV. EXPERIENCE OTHER THAN IN HIGHER EDUCATION**

1970	Head, Migrant Worker Dental Program for State of Wisconsin, Endeavor, Wisconsin
1970-1972	Associate in private practice, R.Z. Fox, D.D.S. and Assoc., L.T.D. Arlington Heights, Illinois
1972-1974	Chief of Endodontics, U.S. Army Detachment, Fort Lee, Virginia
1974-1975	Private Practice "Limited to Endodontics", Springfield, Massachusetts
1975-1976	Private Practice "Limited to Endodontics", Intramural practice - Medical College of Virginia
1976-1982	Private Practice "Limited to Endodontics", F.D.S.P. Associates, Inc. Baltimore, Maryland
1982-2013	Private Practice "Limited to Endodontics", Drs. Kostohryz, Wong, Buxt, Bishop & Field Inc., Dallas, Texas

#### **V. PROFESSIONAL ACTIVITIES**

##### **A. Professional Associations**

1976 – Pres American Dental Education Association (ADEA)

1978-79	Secretary, Section of Endodontics,
1979-80	Chairman-elect Section of Endodontics,
1980	Program Chairman, Section of Endodontics,
1980-81	Chairman, Section on Endodontics, AADS
1967-Pres	Delta Sigma Delta International Dental Fraternity
1971-Pres	American Association of Endodontists
2011	Lifetime membership conferred
2011	Recipient of the IB Bender Lifetime Educator Award
2003-2006	Honors & Awards Committee
2003-2004	Chair, Ad hoc Committee to Review Volunteer Travel and Reimbursement Policies
2003-2004	Chair, Ad hoc Committee to Review Criteria for Success & Failure for the AAE Foundations
2003-2004	Ad hoc Committee to Revise the Manual of Operations
2001-2003	Nominating Committee – Board Liaison
2003	Chair, Nominating Committee
2001-2002	Chair, International Relations Committee
2001-2002	Chair, Task Force to Review Compensation for AAE Officers
2001-2002	Representative to the International Federation of Endodontic Associations
2001-2002	Chair, Constitution and Bylaws Committee
2001	Search Committee for the Executive Director
2001-02	Immediate Past President
2000-01	President
1999-00	President-Elect
1999-02	Trustee – AAE Foundation
1999-02	Constitution and By-Laws Committee
1999-02	Budget and Finance Committee
1998-99	Vice-President
1998-99	Board Liaison to the Public & Professional Affairs Committee
1997-02	Executive Committee
1997-98	Treasurer
1997-98	Chair – Budget & Finance Committee
1997-98	Board Liaison to the Glossary Revision Committee
1995-98	Public and Professional Affairs Committee
1995-98	International Relations Committee
1996-98	Ad Hoc Committee on Focal Infection
1995-98	Task Force to Assess the Standards for Advanced Education in Endodontics
1994-98	Ad Hoc Committee on Informatics
1994-95	Chairman, Annual Site Selection Committee



1993-94 Chairman, Ad hoc Committee to Address Endodontic Nomenclature/Terminology - Glossary

1993-94 General Chairman, Annual Session, Honolulu, Hawaii

1992-93 Program Chairman, Annual Session, Chicago IL

1992 Chairman, Workshop to Review the Status of Endodontic Departments and Educational Programs

1991-92 Chairman, Ad Hoc Committee to Review the Status of Endodontic Departments

1989-03 Scientific Advisory Panel, Journal of Endodontics

1989-92 Library Committee

1989-92 Board of Directors, District V Representative,

1989 Workshop Facilitator, "Revision and Update of Undergraduate Guidelines for Teaching Endodontics-AADS" - San Francisco, California

1987 General Chairman, E & M Foundation, Conference on Controversies in Dentistry, Chicago, Illinois

1986-87 President, Endowment & Memorial Foundation

1986 CE Program Chairman, Annual Meeting, Boston, MA

1986-89 Editorial Review Board, Journal of Endodontics

1985-87 News Staff, Journal of Endodontics

1985-86 Secretary/Treasurer, Endowment & Memorial Foundation

1985 CE Program Chairman, Annual Meeting, San Diego, CA

1984 CE Program Chairman, Annual Meeting, Toronto, Canada

1984 Program Chairman, E & M Foundation, International Conference on Oral Trauma, Dallas, Texas

1983-87 Endowment & Memorial Foundation - Elected Member

1983-86 Chairman, Education Committee

1983-85 Scientific Advisory Panel, Journal of Endodontics

1983 Long Range Planning Committee

1981-83 Constitution and Bylaws Committee

1981 Program Chairman & Moderator, Workshop on Accreditation for Advanced Specialty Education in Endodontics - Chicago, Illinois

1980-81 Chairman, Planning Committee for Workshop on Accreditation

1980 Diplomate, American Board of Endodontics

1979-82 Board of Directors - Elected Member

1979 Chairman & Moderator of Projected Clinics Section, Annual Meeting - Atlanta, Georgia

1978-81 Committee on Undergraduate Endodontic Education

1978 Chairman and Moderator "Symposium on Infection" Annual Meeting - Las Vegas, Nevada

1977-83 Editorial Board, Journal of Endodontics

1967-Pres American Dental Association

Lifetime membership conferred 2011

- 1974-85 British Endodontic Society
- 1974-75 Springfield Academy of Medicine
- 1976-Pres International Association for Dental Research
- 1976-Pres American Association of Dental Research
- Pulp Biology Section, 1977-present  
Baltimore Chapter IADR/AADR 1976-82  
Dallas Chapter IADR/AADR 1983-present
- 1975-76 Virginia Dental Association,
- 1975-76 Richmond Dental Society
- 1974-75 Massachusetts Dental Association
- 1974-75 Valley District Dental Association
- 1970 Wisconsin State Dental Society
- 1970 Waukesha County Dental Society,
- 1976-82 Maryland State Dental Society
- 1976-82 Baltimore City Dental Society
- 1976-82 Maryland Society of Endodontists,
- President 1979-1982
- 1981-Pres American Academy of History of Dentistry  
Fellow of the Academy  
2012-2014 Vice-President  
2013 – present Editor  
2014 – 2016 President
- 1982-92 Federation Dentaire International
- 1982-Pres Canadian Academy of Endodontics  
Retired Status 2015

- 1983-Pres Dallas County Dental Society  
Lifetime Status 2013
- 1983-Pres Texas Dental Association  
Lifetime Status 2013
- 1996-Pres Texas State Association of Endodontists
- 1983-Pres DFW Metroplex Endodontic Study Club  
  
President-Elect 1983-84  
President 1984-85
- 1983-2000 Southwest Society of Endodontists
- 1984-Pres American College of Dentists  
Retired Status 2010
- 1985-Pres International College of Dentists  
  
Lifetime membership conferred 2011
- 2002-Pres Academy of Dentistry International - Fellow

## **B. Program Participation**

### **1. State, National, International**

#### **a. Papers and Courses presented**

- April 1976 Hollywood, Florida: American Association of Endodontists Annual Meeting. "Oral Trauma".
- Sept. 1978 Ocean City, Maryland: Maryland State Dental Meeting, Maryland Society, Endodontists, "Successful Apical Preparation in Root Canal Therapy".
- Sept. 1978 Ocean City, Maryland: Maryland State Dental Meeting, Maryland Society of Dentistry for children, "Myths and Misconceptions in the Management of Traumatic Injuries".
- Oct. 1979 Dallas Texas: American Dental Association Annual Meeting "Management of the Open (Immature) Apex": Vital Cases.

- Nov. 1979 New York, New York: Tri-State (New York, New Jersey, Connecticut) Endodontic Study Club "Endodontic Surgery Versus Non-Surgical Retreatment".
- Jan. 1981 Panama City, Panama: XV Congress Instmeño De Odontologia, "Workshop on the Fundamentals of Endodontic Surgery"
- March 1981 Chicago, Illinois: American Association of Endodontists Workshop on Accreditation for Advanced Education in Endodontics, "Role of the Program Director in the Accreditation Process".
- April 1982 Louisville, Kentucky: Kentucky Dental Association Annual Meeting, "Fundamentals of Endodontic Surgery".
- April 1983 Hollywood, Florida: American Association of Endodontists Annual Meeting: "Participation Workshop on the Fundamentals of Endodontic Surgery".
- March 1984 Dallas, Texas: American Association of Dental Schools Annual Session, "Impact on Endodontic Training Programs - Reaction Paper to the Future of Dental Specialties."
- March 1984 Norfolk, Virginia: 8th Annual Southeastern Symposium, "A Biologic Approach to Clinical Endodontics and Pulp Therapy" - 1 1/2 day Program.
- March 1984 Auckland, New Zealand; Wellington, New Zealand; Christchurch, New Zealand; Dunedin, New Zealand. New Zealand Society of Endodontics "Endodontics for the 80's: Biologic Considerations and Clinical Application" - 4 one-day courses.
- April 1984 Sydney, Australia (B.C.W. barker Memorial Lecture); Melbourne, Australia. New South Wales and Victoria Branches of the Australian Society of Endodontology. "Retreatment in Endodontics," and "New Product - New Techniques in Endodontics."
- May 1984 San Antonio, Texas: Texas State Dental Association Annual Meeting, "A Biological Approach to Clinical Endodontics and Pulp Therapy."
- Sept. 1984 Lake Louise, Alberta, Canada: Canadian Academy of Endodontics, "Perspectives on Root Canal Obturation with Thermoplasticized Gutta Percha"
- Sept 1984 Lake Morey, Vermont: Vermont State Dental Society Annual Session "Practical Perspectives in Current Endodontic Treatment"

- Feb 1985 Chicago, Illinois: 120th Chicago Midwinter Meeting. "A Clinical Repair-Perspective/Treatment Approach to Pulpal Diagnosis, Endodontic Emergencies, and Traumatic Tooth Injuries" and "The Expanded Role of Calcium Hydroxide in Endodontic Treatment."
- May 1985 Las Cruces, New Mexico: New Mexico Dental Association Annual Session, "Current Concepts in Endodontics"
- May 1985 Milwaukee, Wisconsin: Wisconsin Dental Association Annual Session. "Practical Perspectives in Endodontic Treatment"
- July 1985 Rio de Janeiro, Brazil: VII Congresso Internacional de Odontologia. "Current Concepts in the Practice of Endodontics"
- Nov. 1985 San Francisco, California: American Dental Association Annual Meeting. "Critical Perspectives on the Restoration of Endodontically Treated Teeth"
- Nov. 1985 London, England: Guy's Hospital Dental School. "Root Canal Obturation with Thermoplasticized Gutta-Percha"
- Nov. 1985 Florence, Italy: Italian Society of Endodontics VI National Congress. "Root Canal Obturation with Thermoplastic Gutta-Percha"
- Feb. 1986 Chicago, Illinois. 121st Chicago Midwinter Meeting. Full day participation course in "Root Canal Obturation with Thermoplastic Gutta-Percha"
- March 1986 Tokyo, Japan; Osaka, Japan: Unitek - Japan "Root Canal Obturation with Thermoplastic Gutta-Percha"
- March 1986 Atlanta, Georgia: Thomas P. Hinman Dental Meeting "Critical Perspectives on the Restoration of Endodontically Treated Teeth? "Diagnosis and Management of Vertical Root Fractures" "The Expanded Use of Calcium Hydroxide in Endodontic Therapy"
- May 1986 Amsterdam, Netherlands: Netherlands Society for Endodontology Annual Meeting "Critical Perspectives in Root Canal Obturation with Thermoplasticized Gutta-Percha" Lecture and Participation Course
- Sept. 1986 St. Louis, Missouri: Mid-Continent Dental Congress, "Integration of Contemporary Endodontic Philosophy and High Technology Treatment"
- Oct. 1986 Miami, Florida: American Dental Association annual Meeting "Endodontic Surgery: Perspectives, Techniques, Applications"

- Feb. 1987 Salt Lake City, Utah: Utah Dental Association Annual Session "Integration of Contemporary Endodontic Philosophy and High Technology Treatment"
- Oct. 1987 Stratford, England: British Endodontic Society "Osseous and Radicular Considerations in Endodontic Surgery" and "Parameters of Success and Failure in Endodontic Surgery"
- Oct. 1987 Las Vegas, Nevada: American Dental Association Annual Meeting "Enhanced Endodontic Success: Problem Solving in Diagnosis and Treatment" and "Workshop on the Diagnosis and Management of Endodontic Emergencies and Traumatic Tooth Injuries"
- Nov. 1987 Pretoria, Republic of South Africa: Dental Association of South Africa - 1987 Congress "Current Perspectives on the Management of Traumatic Tooth Injuries," "Integration of Contemporary Endodontic Philosophy and High Technology Treatment," "Efficient and Effective Management of Endodontic Emergencies," "Problem Solving in Endodontics," and "Advanced Topics in Endodontics"
- Nov. 1987 Karachi, Pakistan: Third Pakistan International Dental Conference "Prevention and Management of Procedural Errors," "Clinical Applications for Calcium Hydroxide," and "Workshop on Successful Apical Preparation, Root Canal Treatment, and Subsequent Restoration"
- Jan. 1988 Boston, Massachusetts: Thirteenth Annual Yankee Dental Congress "A Mosaic View of Contemporary Endodontics"
- May 1988 Bogota, Colombia, South America: Fundacion Santa Fe De Bogota Centro Medico De Los Andes "A Comprehensive View of Contemporary Endodontic Treatment"
- Oct. 1988 Edmonton, Alberta, Canada: Canadian Academy of Endodontics "Challenges, Frustrations, and Successes in Endodontic Retreatment"
- Nov. 1988 New York, New York: Greater New York Dental Meeting "Current Perspectives on Endodontic Retrofilling Materials and Techniques"
- Feb. 1989 Taipei, Taiwan, Republic of China: National Yang - Ming Medical College/Association for Dental Sciences of the Republic of China "The Dynamics of Contemporary Endodontics"
- July 1989 Oxford, England: British Dental Association Annual Session "Landmarks for Success in Endodontic Treatment"

- Aug. 1989 Kuala Lumpur, Malaysia: Malaysian Endodontic Society, First Annual Session - Keynote Speaker "Problem Solving in Contemporary Endodontics"
- Nov. 1989 Auckland, New Zealand; Wellington, New Zealand; Christchurch, New Zealand. New Zealand Society of Endodontics, "Problem Solving in Endodontics" - 3 one day lectures.
- Jan. 1990 Sao Paulo, Brazil: XIV Congresso Paulista de Odontologia, XXVIII Seminario Odontologico Latino-Americano, II Congresso Universitario Paulista de Odontologia, "Parameters of Success and Failure in Surgical Endodontics" - 2 day course; "Radicular Considerations in the Restoration of Endodontically Treated Teeth".
- Jan. 1990 Mexico City, Mexico: 1st World Endodontic Congress, "Biologic and Clinical Parameters in the Success and Failure of Periradicular Surgery".
- Feb. 1990 San Jose, Costa Rica: Colegio de Cirujanos Dentistas, "Diagnosis and Management of Vertically Fractured Teeth", "Keys to Successful Root Canal Treatment"
- July 1990 Sun City, South Africa: University of Pretoria/Dental Association of South Africa "Contemporary Challenges to Success with Endodontic Therapy"
- Aug. 1990 Perth, Australia: Australian Society of Endodontology "Problem Solving in Endodontics"
- Aug. 1990 Coolum, Queensland, Australia: Australian Society of Endodontology "The Cleaning and Shaping of Fine, Curved and Irregularly Shaped Canals"; The Obturation of Fine, Curved and Irregularly Shaped Canals"; Considerations in Restoring Endodontically Treated Teeth; "Tackling Endodontic Retreatment"; and, "Endodontic Surgery for the General Practitioner"
- Oct. 1990 Rio de Janeiro, Brazil, Associacao Brasileira de Odontologia, "Aspectos do Sucesso Endodontico na Odontologia"
- Oct. 1990 Salvador, Brazil, VI Congresso Bahiano de Odontologia, "Chave para o Sucesso na Odontologia Contemporanea"
- Oct. 1990 Salvador, Brazil VI Congresso Bahiano de Odontologia, Ministrador - "Simposio de Endodontia Sobre Cirurgia Apical"

- Nov. 1990 Palm Springs, California, Research and Education Foundation of the American Association of Endodontists - Biological Principles and Clinical Techniques of Surgical Endodontists, "Surgical Access: Hard Tissue Management and Root-End Filling"
- Jan. 1991 Boston, Massachusetts, Sixteenth Annual Yankee Dental Congress, "Dynamics of Success in Contemporary Endodontics"
- Feb. 1991 Chicago, Illinois, 126th Chicago Dental Society Midwinter Meeting, Television Presentation - "Application of Contemporary Concepts in Surgical Endodontic Retreatment"
- March 1991 New Orleans, Louisiana, American Association of Dental Schools Annual Session, "Challenges to the Contemporary Academician: Integrating Scholarly Activity and Educational Pursuits in Endodontics"
- April 1991 Washington, DC, American Association of Endodontists Annual Session, "Obturation of Root Canals with the Obtura Thermoplasticized Technique"
- June 1991 Kansas City, Missouri, Missouri Dental Association, "Perspectives of Quality Endodontic Treatment: Perfection Versus Excellence"
- July 1991 Santa Fe, New Mexico, Southwest Society of Endodontists Annual Session, "The Root-Dent Complex and the Restoration of Endodontically Treated Teeth"
- Sept. 1991 Cologne, Germany, 1st European Symposium on Oral Surgery, "Clinical Manipulation and Histologic Biocompatibility of Endodontic Surgical Root-End Filling Materials"
- Nov. 1991 Edinburgh, Scotland, British Endodontic Society Regional Meeting, "Problem Solving in Contemporary Endodontics"
- June 1992 Paris, France, 2nd International Federation of Endodontic Associations Meeting, "The Dentin-Root Complex: Considerations in the Restoration of Endodontically Treated Teeth"
- Oct. 1992 Orlando, Florida, American Dental Association Annual Meeting, "Problem Solving in Endodontics"
- Oct. 1992 Veldhoven, The Netherlands, 10th Anniversary Meeting of the Netherlands Society for Endodontology, "Problem Solving in Endodontics"



- Nov. 1992 Trier, Germany, 4th European Meeting for Sedation and Anaesthesia in Dentistry, "Parameters of Achieving Quality Anaesthesia and Hemostasis in Surgical Endodontics," and "Problems Attaining Local Anaesthesia with Endodontic Emergencies"
- Feb. 1993 Regina, Saskatchewan, Canada, College of Dentists and Surgeons of Saskatchewan, "Dynamics of Problem Solving in Endodontics"
- Oct. 1993 Sydney, Australia, Society for Occlusal Studies, "Periodontal and Restorative Considerations Prior to Endodontic Therapy," "Root Canal Instrumentation and Obturation," "Restoration of the Endodontically Treated Tooth," and "Problem Solving in Endodontics"
- Nov. 1993 Bogota, Colombia, La Sociedad Colombiana De Endodoncia y La Sociedad De Endodoncia De Bogota, VIII Seminario Internacional de Endodoncia "Dinámica del éxito en la Endodoncia Contemporánea"
- Nov. 1993 New York, New York, Greater New York Dental Meeting, "Workshop of the Dynamics of Problem Solving in Endodontics"
- Dec 1993 Ada, Oklahoma, Carl Albert Indian Health Facility, Indian Health Service, "Problem Solving in Endodontics"
- Feb 1994 Augusta, Maine, Maine Dental Association, "Dynamics of Problem Solving in Endodontics"
- Feb 1994 Chicago, Illinois, 129th Chicago MidWinter Meeting, "Insights into Contemporary Obturation Techniques," "Quality Assurance Guidelines in the Practice of Endodontics," "Restorative and Periodontal Pre and Postmanagement of Pulpally Compromised Teeth"
- Aug 1994 San Jose, Costa Rica, Fundacion de Educacion Continua En Odontologia, University of Costa Rica, "Problem Solving in Endodontics"
- Sept 1994 Trier, Germany, 12th Congress of the International Association of Dentistry for the Handicapped, "Concepts for Pain Control in Nonsurgical and Surgical Endodontics"
- Sept 1994 Trier, Germany, 7th International Dental Congress on Modern Pain Control, "Plasma Catecholamine and Hemodynamic Responses to Surgical Endodontic Anesthetic Protocols"
- Sept 1994 Beirut, Lebanon, The First International Head and Neck Pain Symposium of the Middle East, "Principles of Pain Transmission and Pain Control in Contemporary Endodontics"

- Sept 1994 Beirut, Lebanon, The Lebanese Dental Association 4th Annual Convention and The First Congress of The Union of Arab Dental Associations, “Microbiology of Pulpal and Periradicular Infections,” “Diagnosis and Management of Vertically Fractured Teeth,” “Current Biological and Clinical Concepts in Surgical Endodontics,” “Problem Solving in Root Canal cleaning and Shaping,” “Problem solving in Non Surgical Root Canal Retreatment,” “Evaluation of Root Canal Obturations Techniques”
- Oct 1994 La Jolla, California, International Association of Dental Traumatology, 5th World Congress, “Problem Solving in Dental Traumatology - Dental Trauma Treatment Planning Conference”
- Jan 1995 Kuala Lumpur, Malaysia, FDI World Dental Federation/Malaysian Dental Association 2nd Joint Scientific Convention, “Retreatment in Endodontics - Nonsurgical and Surgical,” “Update on Endodontic Equipment, Techniques and Materials,” “Complications Encountered in Root canal Treatment,” “Root Canal Treatment for Posterior Teeth - Challenges & Pitfalls”
- Aug 1995 San José, Costa Rica, Federación Odontológica de Centro América y Panamá (FOCAP) - “Basic Principles of Contemporary Endodontics”
- Nov 1995 Caracas, Venezuela, Sociedad Venezolana de Endodoncia, Current Perspectives in Contemporary Endodontics - Nonsurgical and Surgical
- Feb 1996 Auckland, Wellington, and Christchurch, New Zealand, Auckland Dental Association and the New Zealand Society of Endodontics, “Pulpal, Periodontal & Restorative Assessment and Management of the Compromised Tooth” - 3 one day lectures
- April 1996 Dallas, Texas, American Association of Endodontists 53rd Annual Session, “Restoration of Endodontically Treated Teeth”
- April 1996 Dallas, Texas, American Association of Endodontists 53rd Annual Session, “Core Gutta-Percha Carriers - Applications, Adaptations, and Assessment”
- April 1996 Dallas, Texas, American Association of Endodontists 53rd Annual Session, Practitioners Platform Session Moderator and Presenter - “Anatomical Challenges to Endodontic Success”
- June 1996 São Paulo, Brazil, Associação Brasileira de Endodontia - Seção São Paulo, “Solutions to Clinical Endodontic Problems”

- July 1996 Billings, Montana, Indian Health Service, “Contemporary Perspectives in Endodontics”
- July 1996 Billings, Montana, 9<sup>th</sup> District - Montana State Dental Society, “Diagnostic and Emergency Dilemmas in Endodontics”
- Sept 1996 Kelowna, British Columbia, Canada, Canadian Academy of Endodontics, “Treatment Planning Conference in Dental Trauma”
- Oct 1996 Thessoliniki, Greece, 7th PanHellenic Endodontic Society Meeting, “Contemporary Controversies in Root Canal Obturation” and “Contemporary Perspective in Endodontic Surgery”
- Oct 1996 Rhodes, Greece, Dodecanese Dental Society, “Endodontic Perspectives on Tooth Anatomy, Isolation, Access Openings and Canal Obturation”
- Oct 1996 Piraeus, Greece, Dental Society of Piraeus, Contemporary Perspectives on Success and Failure in Conjunction with Root Canal Obturation”
- Dec 1996 Brussels, Belgium, Societe de Medicine Dentaire, “Considerations in Success and Failure, and Revision of Endodontic Treatment”
- Dec 1996 Ada, Oklahoma, Carl Albert Indian Health Facility, Indian Health Service, "Contemporary Perspectives on the Evaluation of Success and Failure in Endodontics," “Restoring Endodontically Treated Teeth,” and Perspectives on Endodontic Surgery”
- Jan 1997 Panama City, Panama: XXXI Panama Dental Association & Congress Instmeño De Odontologia, “Endodontics for a New Millenium.”
- March 1997 San José, Costa Rica, Fundacion de Educacion Continua En Odontologia, University of Costa Rica, VIII Baylor Dental Congress, “Innovations, Instruments, Materials, and Techniques in Contemporary Root Canal Preparation and Obturation”
- April 1997 Singapore, National Dental Center, “Endodontic Surgical Intervention Following Failed Endodontic Retreatment”
- April 1997 Singapore, National University of Singapore/Singapore Dental Association Distinguished Lecturer, “Contemporary Views on Endodontic Success, Failure and Revision of Treatment,” “Perspectives on Pulpal and Periradicular Infections,” “Dilemmas in Managing Endodontic Emergencies,” “Some Contemporary Controversied in Root Canal

- Obturation,” “Advances in Root Canal Preparation Techniques,” “Vertical Fractures - A New Slant on a Perplexing Problem”
- May 1997 Vancouver, British Columbia, Canada, 2nd TransPacific Endodontic Conference of the CAE/ASE, “Contemporary Controversies in Root Canal Obturations”
- May 1997 Seattle, Washington, 54th Annual Session of the American Association of Endodontists, “Making Choices in Daily Endodontic Practice - An Electronic Interactive Session”
- May 1997 Seattle, Washington, 54th Annual Session of the American Association of Endodontists, “Clinical Assessment of Contemporary Root-End Filling Materials” (presented in conjunction with Dr. James Douthitt)
- May 1997 Athens, Greece, Society for Odontostomatological Research, “Contemporary Considerations in Root Canal Obturation”
- Aug 1997 Taichung, Taiwan, Dentsply Asia, “Predictable Root Canal Cleaning, Shaping and Obturation”
- Aug 1997 Taipei Taiwan, Dentsply Asia, “Predictable Root Canal Cleaning, Shaping and Obturation”
- Aug 1997 Chinju, Korea, Dentsply Asia, “Predictable Root Canal Cleaning, Shaping and Obturation”
- Aug 1997 Pusan, Korea, Dentsply Asia, “Predictable Root Canal Cleaning, Shaping and Obturation”
- Oct 1997 Vina del Mar, Chile, International Congress on Endodontology, “Contemporary Views of Success, Failure and Revision of Treatment in Endodontics”
- Nov 1997 Panama City, Florida, American Association of Endodontics – Conference on New Technology in Endodontics, “Core-Carrier Root Canal Obturation Techniques”
- Nov 1997 Bogota, Colombia, XII International Congress on Endodontology, Sociedad de Endodoncia de Bogota, “Overall Perspectives on Oral Trauma” “Review of the Biologic Systems Affected by Oral Trauma” “Diagnostic Challenges in Endodontics” “Problem Solving the Cracked or Vertically Fractured Tooth” Prognosis of Traumatic Injuries/Management of Adverse Sequelae” “Pulpal-Periodontal & Endodontic Periodontic Problems” and Nonsurgical and Surgical Retreatment in Endodontics”

- Jan 1998 Zurich, Switzerland, Swiss Society for Endodontology, “Haemostasis and Bone Healing”
- Jan 1998 San José, Costa Rica, FUNDECO – Fundación de Educación Continua en Odontología, “ Avances en Endodoncia – Presente y Futuro”
- Mar 1998 Managua, Nicaragua, Federación Odontológica de Centro América y Panamá (FOCAP) – XXVIII Congreso – “Endodoncia Actual”
- May 1998 New York, New York, American Association of Endodontists 55<sup>th</sup> Annual Session, “Current Perspectives in Bone Biology for the Endodontist”
- May 1998 New York, New York, American Association of Endodontists 55<sup>th</sup> Annual Session, Electronic Interactive Session entitled - “Is it Success or Failure? A Radiographic Assessment of Surgical Endodontics”
- July 1998 Merida, Venezuela, XXXVII Congreso Odontológico Nacional, “Foundations for Successful Endodontics: Diagnosis – Emergencies – Treatment Planning”, “Contemporary Parameters of Endodontic Treatment”
- August 1998 Buenos Aires, Argentina, COSAE '98 – IX Congreso de la Sociedad Argentina de Endodoncia, “Scientific Foundations for Clinical Endodontics”
- August 1998 Buenos Aires, Argentina, COSAE '98 – IX Congreso de la Sociedad Argentina de Endodoncia, “La Dinamica en la Endodoncia Actual – Sesión Interactiva”
- August 1998 Bogotá, Colombia, Asociación Colombiana de Facultades de Odontología, “Guía Práctica Clínica Basada en la Evidencia de Injurias Traumáticas Dento-Alveolares”
- August 1998 Bogotá, Colombia, Sociedad de Endodoncistas de Bogotá, Infection and Bone – Molecular Biological Aspects for the Endodontist”
- Sept 1998 San Diego, California, The American College of Prosthodontics Annual Session, “Challenges and Controversies Encountered in Treatment planning the Restoration of Endodontically Treated Teeth”
- Sept 1998 Athens, Greece, Society for Odontostomatological Research, “Contemporary Clinical Directions in Endodontics”

- Oct 1998 Kuala Lumpur, Malaysia, Southeast Asia IADR Plenary Session, "Evidence for the Use of Ultrasonics in Surgical Root-End Preparation"
- Oct 1998 Johor Bahru, Malaysia, Malaysian Dental Society – Southern Branch, "Success With Contemporary Endodontic Techniques"
- Nov 1998 Acapulco, Mexico, XV Congreso Internacional Colegio Nacional de Cirujanos Dentistas, "Dental Traumatology – Prevention/Diagnosis – Management/Sequelae – Healing?Prognosis", "Update on Surgical Endodontics – The Role of the Microscope", "Contemporary Root Canal Obturation – Concepts and Techniques"
- Feb 1999 Chicago, Illinois, 134th Chicago Dental Society Midwinter Meeting, "The Dynamics and Demands of Endodontics in Daily Practice" – Interactive Session
- May 1999 Seoul, Korea, Dentsply Korea, "Achieving Endodontic Success Through New Technology" – Lecture and Hands-on Course
- May 1999 Daegu, Korea, Dentsply Korea, "Achieving Endodontic Success Through New Technology" – Lecture and Hands-on Course
- May 1999 Kwangju, Korea, Dentsply Korea, "Achieving Endodontic Success Through New Technology" – Lecture and Hands-on Course
- May 1999 Taipei, Taiwan, Dentsply Taiwan, "Achieving Endodontic Success Through New Technology" – Lecture and Hands-on Course
- May 1999 Taichung, Taiwan, Dentsply Taiwan, "Achieving Endodontic Success Through New Technology" – Lecture and Hands-on Course
- May 1999 Kaochiung, Taiwan, Dentsply Taiwan, "Achieving Endodontic Success Through New Technology" – Lecture and Hands-on Course
- May 1999 Manila, Philippines, 91<sup>st</sup> Meeting of the Philippine Dental Association, "Achieving Endodontic Success Through New Technology"
- May 1999 Manila, Philippines, Endodontic Society of the Philippines, Workshop in Ni-Ti Rotary Canal Cleaning and Shaping
- May 1999 Limassol, Cyprus, Limassol Dental Association, "Perspectives on Root Canal Obturation with ThermaFil", "Contemporary Aspects of Restoring Endodontically Treated Teeth", "Principles of Surgical Endodontics"

- August 1999 Curitiba, Paraná, Brazil, V CIOPAR, “Evidenced-Based Parameters of Contemporary Endodontics
- October 1999 Viña del Mar, Chile, Congreso Internacional de Odontología Integral e Interdisciplinaria del Aulto, “Endodoncia y Rehabilitación”
- Nov 1999 Bangkok, Thailand, Endodontic Society of Thailand, “Challenges in Contemporary Endodontics – Diagnostic and Treatment Dilemmas”.
- Nov 1999 Bangkok, Thailand, Endodontic Society of Thailand, “New and Challenging Endodontic Philosophies and Techniques” – Lecture and hands-on course.
- Nov 1999 Kaohsiung, Taiwan, Dentsply Taiwan, “Achieving Endodontic Success Through New Technology” – Lecture and hands-on course.
- Nov 1999 Taichung, Taiwan, Dentsply Taiwan, “Achieving Endodontic Success Through New Technology” – Lecture and hands-on course.
- Nov 1999 Taipei, Taiwan, Dentsply Taiwan, “Achieving Endodontic Success Through New Technology” – Lecture and hands-on course.
- Nov 1999 Inch'on, Korea, Dentsply Korea, “New and Challenging Endodontic Philosophies and Techniques” – Lecture and hands-on course.
- Nov 1999 Ulsan, Korea, Dentsply Korea, “New and Challenging Endodontic Philosophies and Techniques” – Lecture and hands-on course.
- Nov 1999 Pusan, Korea, Dentsply Korea, “Achieving Endodontic Success Through New Technology” – Lecture and hands-on course.
- Nov 1999 Taejon, Korea, Dentsply Korea, “Achieving Endodontic Success Through New Technology” – Lecture and hands-on course.
- Jan 2000 Miami, Florida, Miami Winter Meeting and Dental Expo, "Endo-Perio Lesions: Controversies and Challenges", "Controversies in Contemporary Endodontics"
- Feb 2000 Kuwait City, Kuwait, 9<sup>th</sup> Annual Conference of the Kuwait Dental Association, "Rotary Instrumentation in Endodontics", "Crazes, Cracks and Fractures: Identification and Management", "Contemporary Obturation Techniques"

- March 2000 Honolulu, Hawaii, 57<sup>th</sup> Annual Session American Association of Endodontists, "Contemporary Obturation Techniques: Application and Assessment"
- May 2000 Bangkok, Thailand, Dental Association of Thailand Annual Meeting, "Controversies in Endodontic-Periodontic Relationships"
- May 2000 Taipei, Taiwan, Dentsply Taiwan, "Achieving Endodontic Success Through New Technology" – Lecture and Hands-on Course
- May 2000 Taipei, Taiwan, Dentsply Taiwan, "Problem Solving Contemporary Root Canal Preparation Techniques "
- May 2000 Seoul, Korea, Dentsply Korea, "Achieving Endodontic Success Through New Technology" – Lecture and Hands-on Course
- May 2000 Seoul, Korea, Dentsply Korea, "Problem Solving Contemporary Root Canal Preparation Techniques "
- May 2000 Bangkok, Thailand, Dentsply Thailand, "Rotary Instruments in Root Canal Preparation – Challenges and Applications"
- May 2000 Bangkok, Thailand, Dentsply Thailand, "Achieving Endodontic Success Through New Technology" – Lecture and Hands-on
- July 2000 Los Angeles, California, Punjabi Dental Society, "Problem Solving Strategies for Successful Endodontic Treatment"
- Aug 2000 Kaohsiung, Taiwan, Taiwanese Academy of Endodontology, Endodontic Problem Solving for the New Millennium, "Problems in Cleaning and Shaping," "Problems in Non-surgical Root Canal Retreatment," " Problems in Surgical Endodontic Treatment," " Problems in Restoring Endodontically Treated Teeth"
- Sept 2000 Lima, Perú, Sociedad Peruana de Endodoncia, V Congreso Internacional, XXV Jornada Nacional, "Challenges in Diagnosis Relating Signs and Symptoms in Pulpal Status and Treatment Directives," "Controversies in Working Length Determination," "Controversies in the Use of Intracanal Irrigants," "Controversies in Smear Layer Removal," "Challenges in Pulpal-Periodontal Interactions and Treatment Directives," "New Issues in Restoring Endodontically Treated Teeth," "Choosing Non-surgical Retreatment Over Surgical Intervention," "New Technologies in Root Canal Treatment – Are They Really Better?"



- Oct 2000 Chicago, IL, American Dental Association Annual Session, “The Dynamics of Endodontics in Daily Practice – An electronic interactive session.
- Oct 2000 Chester, England, British Endodontic Society, “Problem Solving in Endodontics, “What Works – Why and How – Evidenced Based Endodontics for the New Millennium”
- Oct 2000 Kelowna, British Columbia, Canada, Thompson Okanagan Dental Meeting, “Endodontic Challenges Encountered by the Dental Clinician”, “Perspectives on Dental Trauma – Diagnosis – Treatment – Prognosis”
- Nov 2000 Salamanca, Spain, XXI Congrso Nacional AEDE, “ Endodontic Treatment Planning”, “Basic Instrumentation Techniques”, Manual Instrumentation v. Mechanical Instrumentation”, Current Root Canal Obturation Techniques”
- Jan 2001 Dublin, Ireland, Irish Endodontic Society, “An Evidenced-Based Assessment of Ultrasonic Root-End Preparations,” “Endodontic Axioms Revisited, Reassessed and Redirected for Successful Treatment Outcomes,” “Nonsurgical and Surgical Endodontic Treatment and Retreatment vs. the Placement of an Implant”
- April 2001 Macau, China, Dentsply Asia’s Endodontic Forum, “Teaching &Clinical Experiences with Rotary NiTi Instruments”
- April 2001 Bangkok, Thailand, The Endodontic Society of Thailand, “Incorporating Endodontics in the Contemporary Challenges of Dental Practice”
- April 2001 Taipei, Taiwan, Dentsply Taiwan, “Achieving Endodontic Success Through New Technology – Problem Solving Techniques for Difficult Cases”
- April 2001 Taichung, Taiwan, Taichung Dental Association, “Integration of NiTi Technology with Endodontic Biologic Principles – The Key to Success”
- April 2001 Kaoshiung, Taiwan, Kaoshiung Dental Association, “Integrating Biological and Clinical Concepts in the Delivery of Contemporary Endodontic Care”
- August 2001 Toronto, Canada, 37<sup>th</sup> Annual Session, Canadian Academy of Endodontics, “The World of Endodontics – Integrated and Interactive” (an electronic interactive program)

- Sept 2001 Dallas, Texas, Dallas County Dental Society, “Contemporary Endodontic Strategies in Motion – An Electronic Interactive Session”
- Sept 2001 Kohler, Wisconsin, Sheboygan County Dental Society, “Contemporary Endodontics – Both a Revolution and an Introspection”
- October 2001 Hong Kong, Hong Kong Endodontic Society, “ProTaper & ProFile: A Win –Win Combination”
- October 2001, Singapore, National Dental Center, , “ProTaper & ProFile: A Win –Win Combination”
- October 2001 Bangkok, Thailand, Endodontic Society of Thailand, “ProTaper & ProFile: A Win –Win Combination”
- October 2001 Seoul, Korea, Dentsply Asia, “ProTaper & ProFile: A Win –Win Combination”
- October 2001 Taipei, Taiwan, Dentsply Asia, “ProTaper & ProFile: A Win –Win Combination”
- October 2001 Munich, Germany, 10<sup>th</sup> Biennial Congress of the European Society for Endodontology, “Forms and Management of Pulpal and Periradicular Acute Pain Conditions”; “Criteria for Case Selection with Non surgical and Surgical Endodontic Treatment”; “Integrated and Realistic Perspectives on Success with Surgical Endodontics”
- Nov 2001 Carlos Paz, Argentina, “Fundación Científica Buenos Aires Grupo Educación Continua en Endodoncia”, “Revolución en Endodoncia – Retrospectivas e Introspectivas”
- Feb 2002 Chicago, Illinois, 137<sup>th</sup> Chicago Midwinter Meeting, “Making Sense out of the Endodontic Technological Explosion”, “Unique Clinical Challenges in Endodontics”
- March 2002 San Diego, California, American Dental Educators Association, “Thinking out of the Box – How to Attract Faculty and Retain Them”
- March 2002 Los Angeles, California, Indian Dental Society of California, “The Dynamics of Contemporary Endodontics”
- April 2002 Chicago, Illinois, 59<sup>th</sup> Annual Session of the American Association of Endodontists, “Endodontic Success: Realistic Perspectives vs. Perceived Outcomes” and “Systematic Reviews on Endodontic Success and Failure”

- May 2002 Kota Kinabalu, East Malaysia, Asian Endodontic Forum, “The ProTaper-ProFile System – A Integrated Win-Win Combination for Thorough Root Canal Cleaning & Shaping”
- May 2002 Singapore, Singapore Endodontic Society, “Contemporary Principles of Root Canal Obturation”, “Current Biological & Clinical Perspectives on Root-End Filling Materials”
- May 2002 Taipei, Taiwan, Taiwan Endodontic Society, “The ProTaper-ProFile System – A Integrated Win-Win Combination for Thorough Root Canal Cleaning & Shaping”
- August 2002 Whistler, British Columbia, Canada 38<sup>th</sup> Annual Session, Canadian Academy of Endodontics, “Rotary Instrumentation in Undergraduate Education: Three Perspectives”
- Sept 2002 Lima, Perú, Sociedad Peruana de Endodoncia, - Congreso Bodas de Oro, XXVII Jornada Nacional, “Tools, Tasks and Techniques in Contemporary Endodontics”, “Contemporary Aspects of Root Canal Obturation”, “The Technological Explosion in Endodontics – Is it Real? How far can we go?”
- Oct 2002 Farmington, Connecticut, 8<sup>th</sup> International Symposium on Endodontic Biology, “Enhancing Endodontic Prognosis with Surgical Intervention”
- Oct 2002 New Orleans, Louisiana, Academy of Dentistry International, “Endodontic Benchmarks, Achievements & Aspirations for the 21<sup>st</sup> Century”
- Oct 2002 New Orleans, Louisiana, American Dental Association 143<sup>rd</sup> Annual Session, “Successful Management of Endodontic Challenges”
- Oct 2002 New Orleans, Louisiana, American Dental Association 143<sup>rd</sup> Annual Session, “Tooth Retention: Endodontic Treatment vs Intraosseous Implants”
- Nov 2002 Toronto, Ontario, Canada, Toronto Academy of Dentistry Winter Clinic – Ontario Dental Society, “The Dynamics of Endodontics for the General Practitioner – An Interactive Approach”
- Nov 2002 Toronto, Ontario, Canada, Toronto Academy of Dentistry Winter Clinic – Ontario Dental Society, “Problem Solving Choices for the Endodontist in Daily Practice – An Interactive Approach”

- Nov 2002 Mangalore, India, XVII Federation of Operative Dentistry of India, X Indian Endodontic Society National Congress, “Realistic Perspectives & Challenges in Endodontic Diagnosis & Treatment Planning”
- Nov 2002 Mangalore, India, XVII Federation of Operative Dentistry of India, X Indian Endodontic Society National Congress “A Dynamic Perspective on Root Canal Obturation – Lecture & Demonstration”
- Nov 2002 Mangalore, India, XVII Federation of Operative Dentistry of India, X Indian Endodontic Society National Congress “The Current Revolution in Endodontic Technology”
- Feb 2003 Chicago, Illinois, 138<sup>th</sup> Chicago Midwinter Meeting, “Integrated Endodontics – Meeting Challenges Beyond Root Canal Treatment”, “The Endodontic-Prosthodontic Continuum”
- Feb 2003 Chicago, Illinois, 73<sup>rd</sup> Annual Meeting – American Academy of Restorative Dentistry, “Endodontic Outcomes – Essential Roles of Restorative Dentistry & Periodontal Health”
- March 2003 Huerte Grande, Cordoba, Argentina, “Fundación Científica Buenos Aires Grupo Educación Continua en Endodoncia, “Non-surgical and Surgical Retreatment (Revision) Considerations in Contemporary Endodontics”(Nuevos Aspectos en Retratmimientos Endodónticos no Quirúrgicos y Quirúrgicos), “Endodontic Outcomes – Essential Roles of Restorative Dentistry & Periodontal Health”, “Radiographic Evaluation of Success & Failure in Surgical Endodontics”
- March 2003 Houston, Texas, Houston Asian Dental Society, “Endodontic Treatment Parameters – Myths, Realities & Challenges
- March 2003 Medellín, Colombia, Asociación Colombiana de Endodoncia y de la Sociedad Antioqueña de Endodoncistas, “Surgical Perspectives, Surgical Challenges, Surgical Outcomes”, “Endodontic Survery – Radiographic Assessment of Success & Failure”
- May 2003 Tampa, Florida, 59<sup>th</sup> American Association of Endodontists Annual Session, “The Endodontist’s Dilemma – Retreatment or Implant?”
- June 2003 Paris, France, Société Française d’Endodontie, “ Succès et Eches en Endodontie le succès clinique signifie-t-il?”
- Sept 2003 Athens, Greece, 11<sup>th</sup> Biennial Congress of the European Society of Endodontology, “Do Contemporary Cleaning, Shaping and Obturation Result in Higher Endodontic Success?”

- Oct 2003 San Francisco, American Dental Association 145<sup>th</sup> Annual Session, “Decision Making in Endodontic Challenges” – Interactive Session; “Endodontic Challenges in Daily Practice” – Interactive Session
- Oct 2003 Puerto Vallarta, Jalisco, Mexico, 8<sup>th</sup> Seminario Internacional de Endodoncia, “Diagnostico diferencial y tratamiento de los problemas: pulpo-periodontal/endodontico-periodontico”, “Enfoque clinico do tratamiento complejos”, “Endodoncia quirurgica: perspectives, retos y pronosticos”
- Nov 2003 Athens, Greece, Hellenic Dental Association, 23<sup>rd</sup> Annual Convention, “Implants or Root Canal Therapy?”
- Nov 2003 Busan, Korea, The Academy of Korean Endodontics, “Versatile Technolgy for Today’s Root Canal Procedures”
- Nov 2003 Busan, Korea, Dentsply Korea Endodontic Opinion Leaders Conference, “Literature Review and Scientific Applications for the ProTaper System” – lecture and technique demonstrations
- Nov 2003 Hangzhou, China, Dentsply China Endodontic Opinion Leaders Conference, “Versatile Technolgy for Today’s Root Canal Procedures” – lecture and technique demonstrations
- Jan 2004 Edmonton, Alberta, Canada, Edmonton & District Dental Society, “Endodontic Pathways for Predictable Success”
- Jan 2004 Villars, Switzerland, Dentsply - Maillefer European Endodontic Forum 2004, “GPR – Present Status – Future Directions”
- Feb 2004 Newark, New Jersey, American Association of Endodontists New York & New Jersey District II Symposium, “The Treatment Dilemma – Natural Tooth Retention or an Implant?”
- March 2004 Athen, Greece, Stomatological Society of Greece, “Contemporary Concepts in Root Canal Cleaning and Shaping”, “The Treatment Dilemma – Natural Tooth Retention or an Implant?”
- March 2004 Farmington, Connecticut, University of Connecticut Health Center – The Levin-Melnick Lecture, “Challenging the Perceived Endo Dilemma”
- May 2004 Bangkok, Thailand, Dentsply Thailand, “Principles & Applications for ProTaper™ Hand Instruments” – Lecture and Hands-on Workshop

- May 2004 Bangkok, Thailand, Dentsply Thailand, “Endo-Perio: Integrated Diagnosis and Management of Pulpal & Periodontal Disease”
- May 2004 New Dehli, India, Dentsply India, “Endo-Perio: Integrated Diagnosis and Management of Pulpal & Periodontal Disease”
- May 2004 New Dehli, India, Dentsply India, “Principles & Applications for ProTaper™ Hand Instruments” – Lecture and Hands-on Workshop
- May 2004 Mumbai, India, Dentsply India, “Endo-Perio: Integrated Diagnosis and Management of Pulpal & Periodontal Disease”
- May 2004 Mumbai, India, Dentsply India, “Principles & Applications for ProTaper™ Hand Instruments” – Lecture and Hands-on Workshop
- May 2004 Singapore, Society of Endodontists of Singapore and The Malaysian Endodontic Society, “Challenges Being Met with Today’s Materials and Techniques?”, “The Wide-Wide World of Endodontic Innovations”
- May 2004 Singapore, Dentsply Asia Endodontic Opinion Leaders Conference, “Revision of Root Canal Treatment Using the ProTaper System – Rationale, Guidelines & Applications
- June 2004 Galway, Ireland, 110<sup>th</sup> Meeting of the American Dental Society of Europe, “Integrated Diagnosis & Treatment Planning Challenges for Predictable Endodontic Outcomes”, “Endodontic Pathways for Predictable Success – Concepts of Success & Failure”
- July 2004 Houston, Texas, Houston Asian Dental Society, “Rotary Instruments & Obturation Breakthroughs in Endodontics”
- July 2004 San Jose, Costa Rica, San José, Costa Rica, Federación Odontológica de Centro América y Panamá (FOCAP), “Achieving Success with Contemporary Endodontics”
- Aug 2004 Sydney, New South Wales, Australia, Australian Dental Association, “Integrated Diagnosis & Treatment Planning Challenges for Predictable Endodontics”
- Sept 2004 Port Douglas, Queensland, Australia, Fourth Trans-Pacific Endodontic Conference, “Biologic Perspectives to Support Clinical Choices in Endodontics”
- Oct 2004 Huerte Grande, Cordoba, Argentina, Fundación Científica para la Educación Continua en Odontología, “Tematicas Actuales en Endodoncia:

- Nuevos Conceptos Y Nuevos Cambios en conductas Clinicas” (12 hours of lecture)
- Oct 2004 Viña del Mar, Chile, Sociedad de Endodoncia, “Construyendo el éxito en Endodoncia” (8 hours of lecture)
- Oct 2004 Kuala Lumpur, Malaysia, Malaysian Endodontic Society, “Root and Tooth Resections Revisited”, “One-Visit Root Canal Treatment – Options and Challenges”, “Endodontic-Orthodontic Relationships”, “Applications of MTA – Is there a role beyond surgery?”
- April 2005 Dallas, Texas, 61<sup>st</sup> American Association of Endodontists Annual Session, “Surgical Endodontics: An Intropsective & Dynamic Overview”
- May 2005 Manila, Philippines, Philippine Dental Association, 97<sup>th</sup> Annual Convention, “Demystifying Pulpal-Periodontal Relationships”
- May 2005 San Antonio, Texas, 135<sup>th</sup> Annual Session of the Texas Dental Association, Lecture “Perspectives on Contemporary Root Canal Cleaning & Shaping” and Workshop, “Integrated Applications for the ProFile & ProTaper Systems of Canal Cleaning & Shaping”
- July 2005 Seattle, Washington, Pacific Northwest Dental Conference, “Integrated Diagnostic & Treatment Planning Challenges for Predictable Endodontics”
- August 2005 Cochin, India, Indian Dental Association & Conservative & Endodontic Association of Kerala, “Basic Endodontics & the Management of Calcified Canals” – Lecture & Workshop
- August 2005 Singapore, Singapore Society of Endodontics, “Comprehensive Concepts in the Management of C-Shaped Canals”
- August 2005 Taipei, Taiwan, Taiwan Academy of Endodontology, “Resins in Root Canal Therapy – Are We There Yet?”
- August 2005 Beirut, Lebanon, Beirut International Dental Meeting, “Contemporary Principles & Applications in the Delivery of Predictable Root Canal Procedures” - Lecture & Workshop, “The Diversity of the ProTaper<sup>®</sup> Rotary & Hand Variably Tapered Intracanal Instruments and Obturation System”
- Oct 2005 Orlando, Florida, 19<sup>th</sup> Annual Veterinary Dental Forum & World Veterinary Dental Congress IX, “Scientific Perspective & Clinical Realities in the Delivery of Successful Endodontic Procedures”

- Nov 2005 La Falda, Cordoba, Argentina, “Fundación Científica Buenos Aires Grupo Educación Continua en Odontología, IV Seminario de Endodoncia “Comprehensive Concepts in the Management of C-Shaped & Calcified Root Canal Systems”, “Contemporary Choices in Root Canal Irrigation and Disinfection”, “Treatment Planning in Endodontics: Challenges & Decisions”, “Biological & Clinical Assessment of Resin Bonding in Root Canal Obturation: Can we meet our objective with this new technology?”
- Jan 2006 Leysin, Switzerland, European Endodontic Leader Opinion Forum, “Is it Possible to Achieve a Seal of the Root Canal? If so, How and with What? If not Where do we go from here?”
- Feb 2006 Patra, Greece, 7<sup>th</sup> PanHellenic Dental Symposium, “Are successful outcomes more predictable today with the integration of new technological advances?”
- Mar 2006 Honolulu, Hawaii, 62<sup>nd</sup> Annual Session American Association of Endodontists, “Gutta-Percha Techniques – Is it an end of an era?”
- June 2006 Moscow, Russia, Dentsply Russia, “Meeting Contemporary Challenges in Endodontics for Successful Outcomes”, “Application of the ProTaper Hand & Rotary Applied Instruments in Root Canal Cleaning & Shaping” Lecture and Workshop
- June 2006 St. Petersburg, Russia, Dentsply Russia, “Meeting Contemporary Challenges in Endodontics for Successful Outcomes”, “Application of the ProTaper Hand & Rotary Applied Instruments in Root Canal Cleaning & Shaping” – Lecture and Workshop
- June 2006 Kiev, Ukraine, Dentsply Ukraine, “Impact of Contemporary Technology on the Delivery of Quality Endodontic Procedures”, “Application of the ProTaper Hand & Rotary Applied Instruments in Root Canal Cleaning & Shaping” Lecture and Workshop
- Sept 2006 Jakarta, Indonesia, KPPIKG XIV (Universitas Indonesia) – SEEADE (South East Asia Association for Dental Education) XVII “Challenges in the Revision (Retreatment) of Root Canal Procedures” & “Workshop of ProTaper Universal System of Root Canal Management”
- Sept 2006 Shenzhen, China, The Chinese Stomatological Association, “Integration of NiTi Technology for successful Cleaning and Shaping of the Root Canal System” – 2 lectures & 2 workshops



- Sept 2006 Shenzhen, China, Federation Dentaire Internationale, “Management of Endodontic Complexities, Challenges and Complications”
- Oct 2006 Las Vegas, Nevada, American Dental Association 147<sup>th</sup> Annual Session, “Can We Really Clean & Shape the Root Canal System” Moderator for Mini-symposium; Presentation: “Challenges Facing the Thorough Cleaning and Shaping of the Root Canal System”
- Oct 2006 Las Vegas, Nevada, American Dental Association 147<sup>th</sup> Annual Session, “A Critical Review of Contemporary Root Canal Obturation” – Interactive Session
- Nov 2006 Cordoba, Argentina, “Fundación Científica Buenos Aires Grupo Educación Continua en Odontología, V Seminario de Endodoncia”, “Principles of Contemporary Surgical Endodontics” – Three day lecture, workshop, demonstration and patient treatment course.
- Nov 2006 La Falda, Cordoba, Argentina, “Fundación Científica Buenos Aires Grupo Educación Continua en Odontología, V Seminario de Endodoncia, “Irrigation & Disinfection – Keys to Success in Root Canal Treatment”, “Removal of Broken ProTaper Instruments”, “ProTaper Universal System”, “Treatment Planning in Diverse Endodontic Challenges”
- May 2007 La Paz, Bolivia, Congreso Internacional de Endodoncia Odontología Alta COBOE 2007 – Bolivian Society of Endodontics, “Is Vital Pulp Therapy and Accepted Treatment Modality”, “Problem Solving Endodontic Diagnostic & Clinical Challenges”, “Anatomical Complexities, Challenges & Complications”, Resorption – Etiology, Biologic & Clinical Considerations”
- May 2007 Mazatlan, Sinaloa, Mexico DF, La Reunión Dental La Provincia, “Meeting the Challenges of root Canal Techniques with Contemporary Technology”, “Anatomical Complexities, Challenges & Complications”, “Root Canal Irrigation & Disinfection – Keys to Success”
- June 2007 Orlando, Florida, Florida National Dental Convention – “Applications of Variably Tapered Instruments in Root Canal Cleaning & Shaping”, “Root Canal Irrigation & Disinfection – Keys to Success”, “Biologically Inductive Materials – The Present & Future of Endodontics”
- June 2007 Miami, Florida, Roots Summit VII – “Workshop on the Calamus Flow Obturation Device”, “The Status of root Canal Filling Materials & Techniques – 2007”

- April 2008 Gwangju, Korea, 2008 Spring Scientific Meeting (37<sup>th</sup>) of the Korean Academy of Endodontics & The 6<sup>th</sup> JEA (Japan Endodontic Association) - KAE Joint Scientific Meeting, “Integrated Treatment Planning Challenges for Predictable Endodontic Outcomes”
- May 2008 Bangkok, Thailand, 30<sup>th</sup> Asian Pacific Dental Congress, “Exciting Challenges and Future Directions for Endodontics”
- May 2008 Taipei, Taiwan, Taiwan Dental Association, “Integrated Treatment Planning Challenges for Predictable Endodontic Outcomes”
- May 2008 Taichung, Taiwan, “Contemporary Management of the C-Shaped Root Canal System – Applications of NiTi Rotary Instruments”
- May 2008 Bangkok, Thailand, 30<sup>th</sup> Asian Pacific Dental Congress, “Exciting Challenges and Future Directions for Endodontics”
- June 2008 Montreaux, Switzerland, Dentsply Maillefer 11<sup>th</sup> Annual European Endo Forum, “Biological & Clinical Advances in Calcium-Silicate Technology”
- June 2008 Kota Kinabalu, Malaysia, Dentsply Academy 2008 Asian Endodontic Forum, “Perspectives on Treatment Planning and Revision (Retreatment) of Previously Treated root Canal Systems” – Lecture and multiple workshops; “Perspectives on Tooth Retention vs Removal & Implant Placement vs Other Reasonable Options, “Poster Clinic Judge for Asian Countries Student Competition”
- June 2008 Lijiang, China, Chinese Stomatological Association – Society of Operative Dentistry & Endodontics, “Perspectives on International Manuscript Publication”
- Sept 2008 Rotorua, New Zealand, New Zealand Dental Association Biennial Conference 2008, “Complete Endodontic Management of the Immature Open-Apex Tooth”, “The Dynamics and Demands of Endodontics in Daily General Practice”, “Perplexing Dilemmas in Root Canal Treatment”
- Sept 2008 Rotorua, New Zealand, Australian and New Zealand Academy of Endodontists, “Challenges and Innovation for the Endodontic Specialist in the Delivery of Quality Patient Care”
- Oct 2008 Bogotá, Colombia, Sociedad Endodoncia de Bogota, “Retos y Paradigmas del Endodoncista en la Práctica Diaria”

- Oct 2008 Punta del Esta, Uruguay, 2<sup>do</sup>-Congreso Odontológico del Mercosur, “Soluciones clínicas a problemas Endodónticos” y “Integró el Programa Científico dictando un Workshop sobre Endodoncia Mecanizada”
- Oct 2008 Caracas, Venezuela, La Junta Directiva de la Sociedad Venezolana Endodoncia La Comisión del II Congreso, “Dinámica del la Endodoncia en la Práctica Diaria” y “Integró el Programa Científico dictando un Workshop sobre Endodoncia Mecanizada”
- Nov 2008 Valladolid, Spain, XXIX Annual Meeting of the Spanish Association of Endodontists, “MTA: Nuevos Conceptos y Aplicaciones Clínicas”, “Claves para una Buena Preparación y Conformación de los Conductos”, “Curso Práctico Sistema ProTaper – Maillefer (Instrumentación Mecánica y Obturación)”
- Nov 2008 Los Cocos, Argentina, FUNDECO, “Seminar and Hands-on Patient Participation in Surgical Endodontics (2 courses – Anterior and Posterior Surgery)”, “Diagnosis, Treatment Planning and Management of Endodontic Emergencies”, “Complete Endodontic Management of the Immature Open-Apex Tooth”, “Contemporary Management of Root Canal Obturation with a Focus on Warm Vertical Compaction – Hands-on Workshop”,
- April 2009 Osaka, Japan, Dentsply-Sankin, “Meeting Endodontic Challenges with New Technology”
- April 2009 Tokyo, Japan, Dentsply-Sankin, “Meeting Endodontic Challenges with New Technology”
- April 2009 Tokyo, Japan, APEC 2009 Scientific Meeting, 15<sup>th</sup> Scientific Congress of the Asian Pacific Endodontic Confederation & 7<sup>th</sup> KAE-JEA Joint Scientific Meeting, “Revolutionary Advances and Clinical Applications in Calcium Silicate Technology”
- April 2009 Orlando, Florida, AAE Annual Session, “Integration of Advanced Surgical Procedures in Your Endodontic Practice – Principles of Root-End Surgery & Flap Design”
- May 2009 Taichung, Taiwan, Taichung Dental Association, “Meeting Endodontic Challenges with New Technologies”
- May 2009 Hong Kong, 31<sup>st</sup> Asia Pacific Dental Congress 2009, “The Do’s & Don’ts of NiTi Instrumentation in Root Canal Procedures”

- May 2009 Perth, Australia, Dentsply Australia, “Dynamics and Demands of Endodontics in Daily General Practice”, “Lecture & Workshop on the Application of Hand and Power Driven ProTaper Universal Instruments”
- May 2009 Sydney, Australia, Dentsply Australia, “Dynamics and Demands of Endodontics in Daily General Practice”, “Lecture & Workshop on the Application of Hand and Power Driven ProTaper Universal Instruments”
- May 2009 Brisbane, Australia, Dentsply Australia, “Dynamics and Demands of Endodontics in Daily General Practice”, “Lecture & Workshop on the Application of Hand and Power Driven ProTaper Universal Instruments”
- May 2009 Melbourne, Australia, Dentsply Australia, “Dynamics and Demands of Endodontics in Daily General Practice”, “Lecture & Workshop on the Application of Hand and Power Driven ProTaper Universal Instruments”
- June 2009 Chicago, Illinois, 58<sup>th</sup> Annual Meeting of the American Academy of the History of Dentistry, “The Evolution of Surgical Philosophies and Technical Applications in Endodontics”
- Sept 2009 Singapore – 2009 FDI Annual World Congress, “Innovative Technologies Impacting on Endodontic Success” – Lecture and Hands-on workshops
- Sept 2009 Singapore – 2009 FDI Annual World Congress, “Endodontics – Avoiding PitFalls in Diagnosis, Disinfection and Obturation”
- Sept 2009 Qingdao, China, Dentsply Asian Endodontic Forum – Dentsply Asia, “Endodontic Treatment for Tooth Retention vs. Removal and Replacement with an Implant”
- Sept 2009 Kathmandu, Nepal, Nepal Dental Association – 11<sup>th</sup> Annual Dental Conference, “Impact of New Technologies on Predictable Outcomes in Root Canal Procedures” Lecture and Hands-on Demonstrations
- Sept 2009 Mumbai, India, International Dental Educational Association – India, “Impact of New Technologies on Predictable Outcomes in Root Canal Procedures” Lecture and Hands-on workshop
- Nov 2009 Los Cocos, Argentina, FUNDECO, “Seminar and Hands-on Patient Participation in Crown Lengthening and Surgical Endodontics (3 courses – “Can an Accurate Diagnosis of the Dental Pulp and Periapical Tissues be made on a Predictable Basis”, “Endodontic Treatment for Tooth Retention vs Removal and Replacement with an Implant”, “Future

Directions in Difference Which	Endodontics”, “NiTi Instruments – Does it Make a Ones You Choose”
Feb 2010	Calgary, Alberta, Canada, Alberta Dental Society, Calgary and District Dental Society, “Meeting Endodontic Challenges Through New Technologies,” “Managing Identifiable Tooth Trauma and Tooth Fractures,” “Endodontic-Orthodontic Relationships”
Mar 2010	Barcelona, Spain, Dentsply Friadent 14 <sup>th</sup> World Symposium, “Endodontology Meet Implantology”
April 2010	San Diego, CA, American Association of Endodontists 67 <sup>th</sup> Annual Session, “Interactive Cases of Diagnosis, Case Selection and Treatment Planning” and “Evidence-Based Rationale for Surgical Choices in Techniques and Materials”
Nov 2010  para los  loables”	Los Cocos, Argentina, FUNDECO, “Seminar and Hands-on Patient Participation in Crown Lengthening and Surgical Endodontics (3 courses) “Perspectivas Históricas sobre los fundamentos científicos del tratamiento endodóntico actual”, “Bases científicas para los procedimientos no quirúrgicos de tratamientos endodónticos”, “Evidencias científicas procediminetos de cirugía endodóntica”, “Casos de planificación tratamientos – decisions basadas en evidencias y en resultados
Nov 2010	Los Angeles, CA, The Ninth International Endodontic Symposium – Clinical and Biological Concepts of Modern Endodontics – “Biologic Perspectives on the Road Less Traveled”
March 2011	Frisco, TX, North Texas Dental Society (4 <sup>th</sup> District), “Expanding Endodontic Horizons”
April 2011	San Antonio, Texas, American Association of Endodontists 68th Annual Session, “Surgical Management of A Difficult Maxillary Molar” – Live Demonstration
Sept 2011	Rome, Italy, 15 <sup>th</sup> Biennial Congress of the European Society of Endodontology, “Historical and Contemporary Challenges to the Management of the Root Apex” and “Treatment Planning Choices: Surviving Challenges in Contemporary Endodontics”
Nov 2011	La Falda, Argentina, FUNDECO, “Seminar and Hands-on Patient Participation in Crown Lengthening and Surgical Endodontics (3 courses), “Diagnóstico desafíos en el plan de tratamiento al elegir tratamientos de conducto o revisions (retratamiento)”, Tomografía cónica (Cone Beam) –

applications e interpretación” “Nueva tecnología para irrigar conductor radicales – conceptos y logros” “Perspetivas históricas y contemporáneas obturación del conducto radicular” “Revisión críticas de los resultados después del tratamiento” “Movimiento recíproco – introducción a Wave

- April 2012 Boston, MA, American Association of Endodontists 69th Annual Session, “The Prognosis of Endodontic Surgery”
- June 2012 Berlin, Germany 12. Endodontie – Symposium “Der Kongress zum Jubiläum der Zeitschrift”: “Solving Diagnostic and Treatment Challenges in Endodontics – Workshop”, “Advances in the Biologic Understanding and Clinical Management of Tooth Resorption”, “Perspectives in the Management of Large Periradicular Lesions”
- June 2012 Gold Coast, Australia, 3<sup>rd</sup> Trans Tasmanian Dental Conference, “Assessment of New Endodontic Technologies – Do they really work?”, “Challenges in the Diagnosis and Treatment of Integrated Pulpal and Periodontal Disease”
- June 2012 Perth, Australia – Dentsply Australia: “The Integration of Current Science & Technology in Endodontics for Predictable Outcomes”
- June 2012 Adelaide, Australia – Dentsply Australia: “The Integration of Current Science & Technology in Endodontics for Predictable Outcomes”
- June 2012 Auckland, New Zealand – Dentsply Australia/New Zealand: “The Integration of Current Science & Technology in Endodontics for Predictable Outcomes”
- July 2012 Naples, FL, Dentsply’s Educator’s Symposium, “Where Innovation in E/E is continuing & What It Means to Academic Programs”
- July 2012 Naples, FL, Dentsply Tulsa Dental Specialties, Endodontic Opinion Leaders Forum, “Old Concepts & New Perspectives”
- Oct 2012 Vienna, Austria, 61<sup>st</sup> Annual Meeting of the American Academy of the History of Dentistry, “Bernhard Gottlieb’s Impact on Contemporary Endodontology” and “Is an apicoectomy ever successful? If so, under what conditions? An Historic Assessment with Comparative & Contemporary Overtones”
- Nov 2012 Tromsø, Norway, Annual Meeting of the Tromsø Dental Society, “Treatment Dilemmas in Endodontics: Using Problem Solving

- Techniques for Tooth Retention”, “Contemporary Considerations in the Application of Surgical Endodontics for Tooth Retention”
- Nov 2012 Los Cocos, Argentina, FUNDECO, “Contemporary Perspectives in Pulpal and Periradicular Disease Processes – Their Diagnosis, Management and Prognosis”, “An Assessment of New Endodontic Technologies – Do they really work?” (Hands-On courses for Crown Lengthening, Anterior Surgery, Posterior Surgery and Non-surgical Endodontic Procedures)
- April 2013 Honolulu, Hawaii, American Association of Endodontists 70th Annual Session, “Practical Realities of Cognitive Dissonance in Endodontic Practice (Presentation with Dr. K. Woodmansey); “Scientific and Clinical Basis for Minimally Invasive Endodontic Procedures.”
- June 2013 Nashville, TN – Academy of General Dentistry Annual Meeting, “Integration of Science and Technology to Achieve Predictable Endodontic Success.
- July 2013 Carlsbad, CA, Dentsply Tulsa Dental Specialties, Endodontic Opinion Leaders Forum, “Diverse Challenges in Minimally Invasive Endodontics”
- Sept 2013 Honolulu, Hawaii, Cutting Edge Dentistry Annual Meeting, “The Impact of Contemporary Technology in the Provision of Successful Root Canal Procedures”, “Endodontics Encompasses Far More Than Just Root Canal Treatment”, “Endodontics and Integrated Treatment Planning – The Pathway to Success”
- Oct 2013 Orlando, FL, AAOMS 95<sup>th</sup> Annual Meeting, “Long-Term Outcome of Endodontic Treatment of Fractured and Avulsed Teeth vs. Removal and Reconstruction with Bone Graft and Implants”
- Nov 2013 Cordoba, Argentina, FUNDECO 13th Annual Endodontic Conference, “Advances in the Biologic Understanding and Clinical Management of tooth Resorption”, “Treatment Planning Considerations – Endodontic Challenges and Integrated Issues”, “Another One Bites the Dust – Endodontic Failures”, “Anatomical Assessments the Drive Treatment Planning and Clinical Applications”, “The Scope of Endodontic Practice and Minimally Invasive Concepts”, “Root Canal Anatomy – Knowing When to Hold Em and Knowing When to Fold Em”, “Long-Term Outcomes of Endodontic Treatment of Fractured and Avulsed Teeth vs Extraction, Bone Grafting and Implant Placement”, “A Rapid Historical Perspective on Root Canal Procedures”

- Nov 2013 Singapore, Dentsply Singapore Continuing Education, “Clinical & Biologic Realities in the Endodontic Technological Explosion” (Lecture and hands-on course in new technologies)
- Nov 2013 Surabaya, Indonesia, Dentsply Indonesia Continuing Education & Indonesian Society of Conservative Dentistry, “Clinical & Biologic Realities in the Endodontic Technological Explosion” (Lecture and hands-on course in new technologies)
- Nov 2013 Jakarta, Indonesia, Dentsply Indonesia Continuing Education, “Clinical & Biologic Realities in the Endodontic Technological Explosion” (Lecture and hands-on course in new technologies)
- Nov 2013 Kuala Lumpur, Malaysia, Malaysian Endodontic Society Annual Meeting, “Clinical & Biologic Realities in the Endodontic Technological Explosion” (Lecture and hands-on course in new technologies)
- Nov 2013 Kuala Lumpur, Malaysia, Malaysian Endodontic Society Annual Meeting, “Train the Trainer Course in New Dentsply Endodontic Technology”
- Nov 2013 Bangkok, Thailand, Thai Dental Association International Meeting, “Clinical & Biologic Realities in the Endodontic Technological Explosion” (Lecture and hands-on course in new technologies)
- Nov 2013 Bangkok, Thailand, Thai Dental Association, Judge for the Dentsply Asia University Endodontic Case Contest 2013 and Lecture to participants - “Challenges and Pitfalls in Rotary NiTi Root Canal Instrumentation”
- Mar 2014 Gold Coast, Australia, Dentsply Australia, “Achieving Predictable Outcomes with the Scope of Endodontics”
- April 2014 Melbourne, Australia, Dentsply Australia, “Achieving Predictable Outcomes with the Scope of Endodontics”
- April 2014 Sydney, Australia, Dentsply Australia, “Achieving Predictable Outcomes with the Scope of Endodontics”
- April 2014 Sydney, Australia, Dentsply Australia, “Train the Trainer Course in New Dentsply Endodontic Technology”
- May 2014 Washington, DC, American Association of Endodontists 71st Annual Session, Panel Presentation and Discussion on “Minimally Invasive Endodontics: Can it work”



- July 2014 Chicago, IL, AAE/AAP/ACP Joint Conference – Teeth for a Lifetime: Interdisciplinary Evidence for Clinical Success: “Contemporary Paradigms in Endodontic Technology for Tooth Retention”, “The Role of Team Reconstructive Esthetic Dentistry: A Defined Algorithm for Success”
- Sept 2014 Santa Marta, Colombia, 50<sup>th</sup> Anniversary Meeting – Asociación de Endodoncia de Bogota, “Challenges to the Pulp and Periodontium – Part 1: Microbial Considerations and Communications Between the Pulp and Periodontium; Part 2: Treatment Procedures and Their Potential Impact Between the Pulp and Periodontium; Part 3: Trauma, Resorption and Orthodontic Considerations Between the Pulp and Periodontium”
- Nov 2014 Cordoba, Argentina, FUNDECO 14th Annual Endodontic Conference, “The Scope of Endodontic Practice and Minimally Invasive Concepts”, “Treatment Planning for Tooth Retention Using Minimally Invasive Concepts”
- Dec 2014 Jaipur, India, 29th IACDE & 22nd IES National Conference, Keynote Speaker, “Problem Solving in Endodontics – Gutmann’s Perspectives”
- Dec 2014 Jeddah, Saudi Arabia, 4th Saudi Endodontic Society International Conference, “Workshop on the Identification, Assessment & Management of Challenges in root Canal Procedures with a Focus on Tooth Retention”, “Problem Solving with the Challenges Posed by Nonsurgical Root Canal Procedures”, “The Full Scope of Surgical Endodontics – A Realistic Viewpoint”
- Jan 2015 Boston, MA, Yankee Dental Congress – Massachusetts Dental Society, “Endo-Ortho Interactions, Treatment Choices & Outcomes”

**b. Seminars and presentations at Universities or Government Teaching Programs**

- Sept. 1978 New York, New York: Columbia University School of Dentistry, "Apexification-Apexogenesis".
- June 1979 Milwaukee, Wisconsin: Marquette University School of Dentistry, "Pedodontic-Endodontics on Young Permanent Teeth" and "A Critical Reappraisal of the Routine Use of Periradicular Surgery in Conjunction with Endodontics".

- Nov. 1979 New York, New York: Columbia University School of Dentistry  
"Endodontic Surgery versus Non-Surgical Retreatment".
- Jan. 1980 Bethesda, Maryland: National Naval Graduate Dental School,  
Department of Periodontics "Endodontic-Periodontic Relationships".
- July 1990 Milwaukee, Wisconsin: Marquette University School of Dentistry,  
"Preparing for the Diplomate Boards in Endodontics" and "Endodontic-  
Periodontic Relationships".
- Jan. 1981 Bethesda, Maryland: National Naval Graduate Dental School,  
Department of Periodontics "Endodontic-Periodontic Relationships in  
Pulpal Disease and Fractured Teeth".
- March 1981 Philadelphia, Pennsylvania: Albert Einstein Medical Center, "Diagnosis  
and Management of Vertically Fractured Teeth".
- March 1981 Milwaukee, Wisconsin: Marquette University School of Dentistry  
"Posterior Endodontic Surgery".
- Oct. 1981 Seattle, Washington: University of Washington School of Dentistry  
"Preparation for the Endodontic Diplomate Boards".
- Oct. 1981 Portland, Oregon: Oregon Health Sciences University. "Endo-Perio  
Relationships" and "Diagnosis and Management of Vertical Fractures".
- Nov. 1981 Chicago, Illinois: Northwestern University School of Dentistry,  
"Preparation for the Endodontic Diplomate Boards;" "Apexification-  
Apexogenesis;" "Diagnosis and Management of Vertically Fractured  
Teeth".
- Dec. 1981 New York, New York: Columbia University School of Dentistry  
"Perspectives on Root Canal Preparation and Obturation".
- Feb. 1982 Dallas, Texas: Baylor College of Dentistry, "Diagnosis and Management  
of Vertical Fractures".
- Oct. 1982 Chicago, Illinois: Northwestern University School of Dentistry.  
"Radiographic Techniques & Interpretation in Endodontic Diagnosis,  
Case Selection, and Treatment."
- Oct. 1982 Milwaukee Wisconsin: Marquette University School of Dentistry.  
"Radiographic Technique & Interpretation in Endodontic Diagnosis, Case  
Selection, and Treatment".

- Oct. 1984 Bethesda, Maryland: National Naval Graduate School. "Perspectives on Root Canal Obturation with Thermoplasticized Gutta-Percha" and "A Critical Assessment of Proposed Techniques for the Restoration of Endodontically Treated Teeth".
- Nov. 1984 Houston, Texas: University of Texas School of Dentistry. "Root Canal Obturation with Thermoplasticized Gutta-Percha".
- June 1985 New Orleans, Louisiana: LSU School of Dentistry. "Principles of Endodontic Surgery"
- June 1985 Seattle, Washington: University of Washington School of Dentistry "Root Canal Obturation with Thermoplasticized Gutta-Percha"
- May 1986 Chicago, Illinois: Northwestern University School of Dentistry "Critical Perspectives on Root Canal Obturation with Thermoplastic Gutta-Percha"
- May 1986 Milwaukee, Wisconsin: Marquette University School of Dentistry "Critical Perspectives on Root Canal Obturation with Thermoplastic Gutta-Percha"
- June 1986 Innsbruck, Austria: University of Innsbruck "Participation Course in Thermoplastic Gutta-Percha Techniques"
- Feb. 1988 Washington, DC: Walter Reed Army Medical Center "Problem Solving in Endodontics: An Enhanced Approach to Success in Treatment and "An Update on Thermoplastic Gutta-Percha"
- Aug. 1988 Baltimore, Maryland: Baltimore College of Dental Surgery Two day course - "Workshop on the Fundamentals of Endodontic Surgery"
- Oct. 1988 Farmington, Connecticut: University of Connecticut School of Dental Medicine "An Analysis of Biological and Clinical Parameters Affecting the Outcome of Endodontic Surgery"
- June 1989 London, England: Guy's Hospital and Dental School "Problem Solving in Nonsurgical Endodontic Retreatment"
- Aug. 1989 Kuala Lumpur, Malaysia: University of Malaya "A Treatment Oriented Clinical Approach to the Diagnosis of Pulpal and Periradicular Disease"
- Feb. 1990 San Jose, Costa Rica: University of Costa Rica School of Dentistry, "Contemporary Perspectives on Endodontic Therapy".

- March 1990 Milwaukee, Wisconsin: Marquette University School of Dentistry, "Historical Perspectives on Surgical Endodontics".
- Aug. 1990 Tygerberg, South Africa: University of Stellenbosch, "Keys to Endodontic Success - Interdisciplinary Integration and Creative Management"
- Aug. 1990 Pretoria, South Africa: University of Pretoria, "Keys to Endodontic Success - Interdisciplinary Integration and Creative Management"
- Aug. 1990 Pretoria, South Africa: Medical University of South Africa (MEDUNSA), "Anatomical Parameters for Success in Integrated Treatment Planning"
- Aug. 1990 Johannesburg, South Africa: University of Witwatersrand, "Anatomical Parameters for Success in Integrated Treatment Planning"
- Oct. 1990 Milwaukee, Wisconsin: Marquette University School of Dentistry, "Biological and Clinical Considerations in Bone and Tooth Resorption"
- Oct. 1990 Sao Paulo, Brazil: Universidade de Sao Paulo, "Analise Critica Dos Instrumentos Endodonticos" and "Cirurgia Endodontica em Dentes Posteriors"
- March 1991 Milwaukee, Wisconsin, Milton Meinhardt Memorial Lecture at Marquette University, "Keys to Endodontic Success"
- June 1991 Chicago, Illinois, University of Illinois, Charles Maurice Lecture, "Perspectives on Contemporary Endodontic Surgical Materials and Techniques" "Contemporary Perspectives of Success and Failure in Endodontic Treatment and Retreatment"
- August 1991 Tygerberg, South Africa, University of Stellenbosch, multiple lectures of surgical endodontics, restoration of endodontically treated teeth, resorption, success and failure, retreatment and problem solving.
- August 1991 Tygerberg, South Africa, University of the Western Cape, "Contemporary Perspectives in Surgical Endodontics"
- Sept. 1991 Muenster, Germany, Westfalische Wilhelms-Universitat, "Gutta-percha Adaptation in the Absence of the Smear Layer;" "Diagnosis and Management of Vertically Fractured Teeth"
- October 1991 Glasgow, Scotland, University of Glasgow, "Contemporary Perspectives of Root-End Surgical Materials and Techniques;" "Perspectives on the Restoration of Endodontically Treated Teeth"

- October 1991 Dundee, Scotland, University of Dundee, "Apical Resection - Materials and Techniques;" "Perspectives on the Restoration of Endodontically Treated Teeth"
- March 1992 Toronto, Ontario, Canada, University of Toronto, George C. Hare Lectureship, "Parameters of Success in Endodontic Treatment and Retreatment"
- October 1992 Muenster, Germany, Westfalische Wilhelms-Universitat, "Contemporary Perspectives in Root Canal Obturation," and "Comparison of Surgical Root-End Preparation Techniques"
- January 1993 Memphis, Tennessee, University of Tennessee College of Dentistry, "What is the Most effective Design of an Undergraduate Clinical Teaching Program Given Modest Faculty Resources."
- April 1993 Gainesville, Florida, University of Florida, College of Dentistry, "Periodontal and Restorative Implications in Endodontic Failure"
- August 1993 Baltimore, Maryland, Baltimore College of Dental Surgery, "Challenges to Contemporary Endodontic Surgery"
- Sept. 1993 Loma Linda, California, Loma Linda University, Tenth Annual Review of Endodontic Biology, "Endodontic Surgery"
- Nov. 1993 Bogota, Colombia, Colegio Odontológico Colombiano y Pontificia Universidad Javeriana, "Etiología y tratamiento de las agudizaciones y rol del los micrororganismos" "Cirugía Endodóntica en dientes posteriores té y materiales"
- March 1994 Ann Arbor, Michigan, University of Michigan, The Review of Biologic and Clinical Aspects of Endodontology, "Surgical Endodontics"
- April 1994 Bethesda, Maryland, National Naval Dental Center, Graduate School, "Biological Basis for Contemporary Endodontics"
- Jan 1995 Kuala Lumpur, Malaysia, Faculty of Dentistry, University of Malaya, "Concepts in Contemporary Endodontic Therapy"
- March 1995 Ann Arbor, Michigan, University of Michigan, The Review of Biologic and Clinical Aspects of Endodontology, "Surgical Endodontics"
- August 1995 Baltimore, Maryland, Baltimore College of Dental Surgery, "Contemporary Concepts in Endodontic Surgery"

- Sept 1995 Toronto, Ontario, Canada, University of Toronto Faculty of Dentistry, "Biologic Basis for Inductive Root-End Filling Materials"
- Sept 1995 Iowa City, Iowa, University of Iowa, "Biologic Basis for Inductive Root-End Filling Materials"
- March 1996 Ann Arbor, Michigan, University of Michigan, The Review of Biologic and Clinical Aspects of Endodontology, "Surgical Endodontics"
- March 1996 Portland, Oregon, Oregon Health Sciences University School of Dentistry, "Contemporary Perspectives on Surgical Endodontics"
- Aug 1996 Tygerberg, South Africa, University of Stellenbosch, "Standards of Care and Quality Assurance in Contemporary Endodontics"
- Oct 1996 Athens, Greece, University of Athens Faculty and Graduate Students, "Contemporary Endodontic Obturation Techniques"
- Dec 1996 Brussels, Belgium, ULB (Free University of Brussels) Faculte d' Medicine  
"Cours Pratique d' Chirurgie Endodontie"
- Jan 1997 Louisville, Kentucky, University of Louisville School of Dentistry, "Biologic Parameters of Endodontic Surgical Treatment Planning and Execution"
- March 1997 Augusta, Georgia, Ft. Gordon US Army Endodontic Graduate Program, "Realistic Contemporary Perspectives on Root Canal Preparation and Obturation"
- March 1997 Ann Arbor, Michigan, University of Michigan, The Review of Biologic and Clinical Aspects of Endodontology, "Surgical Endodontics"
- April 1997 Kuala Lumpur, Malaysia, University of Malaya, "Perspectives on Pulpal and Periradicular Infections"
- Aug 1997 Manila, Philippines, University of the Philippines School of Dentistry, "Global Standard of Care in Endodontics"
- Sept 1997 Baltimore, Maryland, Baltimore College of Dental Surgery, University of Maryland at Baltimore, "Historical, Contemporary, and Futuristic Perspectives on Surgical Endodontics"

- Sept 1997 Loma Linda, California, Loma Linda University, “Biologic Perspectives in Endodontic Surgery”
- Nov 1997 Bogota, Colombia, Colegio de Colombia, “The Accreditation Process – Perspectives and Ethical Challenges”
- Dec 1997 Singapore, The National University of Singapore, “Successful Endodontics for the Next Decade – Principles and Applications” – lecture and hands-on course – 2 days
- Dec 1997 Kuala Lumpur, Malaysia, University of Malaysia, “Successful Endodontics for the Next Decade – Principles and Applications” – lecture and hands-on course – 2 days
- Dec 1997 Kuala Lumpur, Malaysia, University of Malaysia, “Overall Perspectives on Oral Trauma”, “Review of the Biologic Systems Affected by Oral Trauma”, “Pulpal-Periodontal & Endodontic Periodontic Problems”
- Jan 1998 San José, Costa Rica, University of Costa Rica School of Dentistry, “Endodoncia de Preclinica: Teoria, Principios Y Aplicación” – Course Director, Lecturer and Laboratory Teacher for Preclinical Endodontic Course
- Mar 1998 Ann Arbor, Michigan, University of Michigan, The Review of Biologic and Clinical Aspects of Endodontology, “Biologic Basis for Endodontic Surgery & Current Literature Review”
- April 1998 Loma Linda, California, Loma Linda University University, “Microbiology of Pulpal and Periradicular Infections”
- June 1998 San Lemeer, South Africa, University of Pretoria Continuing Education, “A View of Endodontics in the Past Ten Years”, “Perspectives on Canal Preparation in the United States”, “Critical Issues in Periapical Surgery”, “Etiology of Pulpo-periodontal Diseases”
- August 1998 Bogotá, Colombia, Colegio Universitario Colombiana Facultad de Odontología, “A Comparison of Combined and Concomitant Lesions in Pulpal-Periodontal Relationships”, “Contemporary Microbiology for the Endodontist”, “Principles of Root Canal Cleaning and Shaping”
- Nov 1998 Acapulco, Mexico, Universidad LatinoAmericana Escuela de Odontologia – Estudios de Posgrado, Seminario de Titulación Alumnos, “Research Directions in Endodontics”

- Dec 1998 San Francisco, California, University of California San Francisco, Presentation to the Faculty, "Controversies and Challenges in Dentistry and Dental Education"
- Jan 1999 Loma Linda, California, Loma Linda University University, Continuing Dental Education, "Factors that Affect Soft Tissue Healing in Surgical Endodontics" "Factors that Affect Hard Tissue Healing in Surgical Endodontics"
- March 1999 London, England, Eastman Dental Institute and Hospital, "Factors Affecting Soft Tissue Healing in Endodontic Surgery"
- May 1999 Kwangju, Korea, Chosun University College of Dentistry, "New Technology in Canal Cleaning and Shaping"
- May 1999 Seoul, Korea, Yonsei University College of Dentistry, "New Technology in Canal Cleaning and Shaping"
- Nov 1999 Kaohsiung, Taiwan, Kaohsiung Medical College – School of Dentistry "Achieving Endodontic Success Through New Technology" – Lecture and hands-on course.
- Nov 1999 Tainan, Taiwan, National Cheng Kung University Medical College, "New and Challenging Endodontic Philosophies and Techniques" – Lecture and hands-on course.
- Nov 1999 Seoul, Korea, Seoul National University Dental Hospital, "Diagnosis & Management of Craze, Cracked and Fractured Teeth"
- Nov 1999 Pusan, Korea, Pusan National University Dental Hospital, "Rationale for Smear Layer Removal in Endodontics", "Overview of Pulpal-Periodontal Interactions.
- Nov 1999 Taegu, Korea, Kyungpook National University, School of Dentistry, "Diagnosis & Management of Craze, Cracked and Fractured Teeth", "The Stressed Pulp – A Diagnostic Dilemma"
- Jan 2000 Ft. Lauderdale, Florida, Nova Southeastern University, "Assess of Success and Failure in Endodontic Surgery"
- May 2000 Bangkok, Thailand, Chulalongkorn University, "Essentials of a Good Root Canal Preparation"



- May 2000 Tainan, Taiwan, National Cheng Kung University Medical College, “New and Challenging Endodontic Philosophies and Techniques” – Lecture and hands-on course.
- May 2000 Chonan, Korea, Dankook University, “Diagnosis and Management of Craze, Cracked and Fractured Teeth”, “Controversies in Working Length Determination”
- Aug 2000 Hong Kong, China, The University of Hong Kong Faculty of Dentistry, “The Alpha and Omega of Root Canal Treatment – Comparative Contemporary Philosophies”
- Dec 2000 Loma Linda, California, Loma Linda University, “Why Endodontic Surgery and Not an Implant?”, “Advantages and Disadvantages of Ultrasonic Root-End Preparation”
- April 2001 Bangkok, Thailand, Srinakharinviroj University Faculty of Dentistry, “Update in NiTi rotary Instrumentation in Root Canal Therapy” – lecture and hands-on workshop
- April 2001 Chiang Mai, Thailand, Chiang Mai University Faculty of Dentistry, “Current Biological and Clinical Concepts in the Delivery of Contemporary Endodontic Care”
- April 2001 Chiai, Taiwan, Cha Yi Christian Hospital Dental Department, ““Integration of NiTi Technology with Endodontic Biologic Principles – The Key to Success”
- May 2001 Jarkarta, Indonesia, University of Indonesia Faculty of Dentistry, “Achieving Endodontic Success Through New Technology – Problem Solving Techniques for Difficult Cases”
- May 2001 Surabaya, Indonesia, Indonesian Conservative Dental Association, Faculty of Dentistry, Airlangga University, “Integration of New Technology with Endodontic Biologic Principles – The Key to Success”
- October 2001 Hong Kong, University of Hong Kong Faculty of Dentistry, “The Dentsply Motor Grant Program – Is it for you! – Challenges & Expectations”
- October 2001 Singapore, The National University of Singapore and University of Malaya Faculties of Dentistry, “The Dentsply Motor Grant Program – Is it for you! – Challenges & Expectations”

- October 2001 Bangkok, Thailand, Chulalongkorn University Faculty of Dentistry, “The Dentsply Motor Grant Program – Is it for you! – Challenges & Expectations”
- October 2001 Bangkok, Thailand, Mahidol University Faculty of Dentistry, “The Dentsply Motor Grant Program – Is it for you! – Challenges & Expectations”
- October 2001 Taipei, Taiwan, Taipei Medical University, National Taiwan University, National Cheng Kung University Medical College, Chinese Medical University, Chang Sun University and The TriService General Hospital Faculties of Dentistry “The Dentsply Motor Grant Program – Is it for you! – Challenges & Expectations”
- October 2001 Seoul, Korea, Kyungpook National University and Seoul University Faculties of Dentistry, “The Dentsply Motor Grant Program – Is it for you! – Challenges & Expectations”
- March 2002 Philadelphia, Pennsylvania, Albert Einstein Medical Center, 15<sup>th</sup> Annual Steven P. Chartan Memorial Lecture, “Surgical Endodontics – Contemporary Perspectives & Challenges”
- May 2002 Bangkok, Thailand, Chulalongkorn University School of Dentistry, “Endodontic Preclinical Teaching Program – Faculty In-Service Training”, Integration of Rotary NiTi Techniques into the Dental Curriculum”
- May 2002 Kaohsiung, Taiwan, Kaohsiun Medical University School of Dentistry, Lecture to Preclinical Students and Faculty, “Integration of NiTi Crown-Down Techniques into the Dental Curriculum”
- May 2002 Taipei, Taiwan, Taipei Medical University School of Dentistry, Lecture to Preclinical Students and Faculty, “Integration of NiTi Crown-Down Techniques into the Dental Curriculum”
- May 2002 Taichung, Taiwan, China Medical University School of Dentistry, “Ensuring Endodontic Success in Treatment Planning”
- May 2002 Taipei, Taiwan, Yang-Ming Medical University School of Dentistry, “Endodontic Mishaps – Identification, Prevention and Management”
- May 2002 Wuhan, China, Wuhan University School of Stomatology, “Endodontic Teaching Program – Faculty In-Service Training”, Integration of Rotary NiTi – ProTaper & ProFile Systems”

- May 2002 Wuhan, China, Wuhan University School of Stomatology, “Contemporary Techniques for Root Canal Cleaning & Shaping with Rotary NiTi Instruments”
- May 2002 Beijing, China, Peking University School of Stomatology, “Endodontic Teaching Program – Faculty In-Service Training”, Integration of Rotary NiTi – ProTaper & ProFile Systems”
- May 2002 Beijing, China, Peking University School of Stomatology, “Contemporary Techniques for Root Canal Cleaning & Shaping with Rotary NiTi Instruments”
- Sept 2002 Chapel Hill, North Carolina, University of North Carolina School of Dentistry, “Perplexities Encountered in Pulpal-Periodontal Relationships”
- Nov 2002 Taipei, Taiwan, Taipei Medical University Faculty of Dentistry “Achieving Endodontic Success Through New Technology – Preparing the Trainer for Teaching the Profile, ProTaper, GT & ThermaFil Systems – Lecture & Workshop”
- Nov 2002 Kaohsiung, Taiwan, Kaohsiung Medical University Faculty of Dentistry “Achieving Endodontic Success Through New Technology – Preparing the Trainer for Teaching the Profile, ProTaper, GT & ThermaFil Systems – Lecture & Demonstration”
- Nov 2002 Taichung, Taiwan, China Medical College & Chung Shan Medical College Faculties of Dentistry “Achieving Endodontic Success Through New Technology – Preparing the Trainer for Teaching the Profile, ProTaper, GT & ThermaFil Systems – Lecture & Workshop”
- Nov 2002 Taichung, Taiwan, China Medical College Faculty of Dentistry Dental Students, “Contemporary Root Canal Cleaning & Shaping with NiTi Instruments”
- Nov 2002 Taichung, Taiwan, Chung Shan Medical College Faculty of Dentistry Dental Students, “Contemporary Root Canal Cleaning & Shaping with NiTi Instruments – Lecture and Demonstration
- Nov 2002 Hong Kong, Prince Philip Dental Hospital, University of Hong Kong, PPS: An integration of ProTapers and ProFiles – A winning combination for thorough root canal cleaning and shaping – Lecture – Demonstration - Workshop.

- Nov 2002 Guangzhou, China, Sun Zhong Shan University Kwong Hua Dental Center, PPS: An integration of ProTapers and ProFiles – A winning combination for thorough root canal cleaning and shaping.
- Nov 2002 Shanghai, China, Shanghai No. 2 University Hospital Department of Stomatology, “Integrated ProTaper/ProFile Systems -Demonstration & Workshop”
- Nov 2002 Shanghai, China, Shanghai No. 2 University Hospital Department of Stomatology, “PPS: An integration of ProTapers and ProFiles – A winning combination for thorough root canal cleaning and shaping.
- Nov 2002 Peiking, China, Peiking University School of Stomatology, “Integrated ProTaper/ProFile Systems -Demonstration & Workshop”
- Nov 2002 Peiking, China, Peiking, Peiking University School of Stomatology, PPS An integration of ProTapers and ProFiles – A winning combination for thorough root canal cleaning and shaping.
- Jan 2003 Fayetteville, North Carolina, Ft. Bragg US Army Dental Activity, “Endodontic Surgical Perspectives – Challenges – Outcomes”
- March 2003 Medellín, Colombia, Instituto de Ciencias de la Salud University Dental School, “Perplexities Encountered in Pulpal-Periodontal – Endodontic-Periodontic Relationships”
- April 2003 Tygerberg, South Africa, University of Stellenbosch Faculty of Dentistry, Diploma Program in Conservative Dentistry, “Implications in Working Length Determination and Patency Filing”
- Nov 2003 Bangkok, Thailand, Chulalongkorn University Faculty of Dentistry, “Expanding Frontiers for Hand Root Canal Cleaning & Shaping”
- Nov 2003 Bangkok, Thailand, Mahidol University Faculty of Dentistry, “Versatile Technology for Today’s Root Canal Procedures”
- Nov 2003 Chiang Mai, Thailand, Chiang Mai University Faculty of Dentistry, “Versatile Technology for Today’s Root Canal Procedures”
- Nov 2003 Daegu, Korea, Kyungpook National University School of Dentistry, “Expanding Frontiers for Hand Root Canal Cleaning & Shaping”
- Nov 2003 Hong Kong, Prince Philip Dental Hospital, University of Hong Kong, “Versatile Technology for Today’s Root Canal Procedures” – lecture and hands-on course

- Nov 2003 Kaohsiung, Taiwan, Kaohsiung Medical University Faculty of Dentistry–  
“Versatile Technology for Today’s Root Canal Procedures” – lecture and  
hands-on course
- Nov 2003 Taichung, Taiwan, China Medical College - “Expanding Frontiers for  
Hand Root Canal Cleaning & Shaping” – lecture & demonstration
- Nov 2003 Taichung, Taiwan, China Medical College, Faculty and postgraduates  
from four dental schools in Taiwan - “Contemporary Principles of Root  
Canal Treatment” – lecture & demonstration
- May 2004 Bangkok, Thailand, Mahidol University School of Dentistry,  
“Management of Endodontic Complexities, Challenges and  
Complications”
- May 2004 Xi’an, China, Fourth Military Medical University, “Endo-Perio: Integrated  
Diagnosis and Management of Pulpal & Periodontal Disease”
- May 2004 Xi’an, China, Fourth Military Medical University, “Principles &  
Applications for ProTaper™ Hand Instruments”
- May 2004 Shanghai, China, School of Stomatology, Shanghai Second Medical  
University, “Endo-Perio: Integrated Diagnosis and Management of Pulpal  
& Periodontal Disease”
- May 2004 Xi’an, China, School of Stomatology, Shanghai Second Medical  
University, “Principles & Applications for ProTaper™ Hand Instruments”  
– Lecture and Hands-on Workshop
- Oct 2004 Wuhan, China, Wuhan University School of Stomatology, “Diversity of  
the ProTaper™ System in Root Canal Procedures
- Oct 2004 Chengdu, China, Sichuan University, West China College of Stomatology,  
“Diversity of the ProTaper™ System in Root Canal Procedures” Lecture  
and demonstration
- Oct 2004 Bangkok, Thailand, Chulalongkorn University School of Dentistry,  
“Applications of MTA – Is there a role beyond surgery?”
- Oct 2004 Chiang Mai, Thailand, Chiang Mai University Faculty of Dentistry“An  
Endodontic Update – Advances Achieved and Challenges Faced”

- Oct 2004 Kaohsiung, Taiwan, Kaohsiung Medical University Faculty of Dentistry, “Diversity of the ProTaper™ System in Root Canal Procedures” Lecture and demonstration”
- Oct 2004 Tianan, Taiwan, National Cheng Kung Medical University Medical Center, “Diversity of the ProTaper™ System in Root Canal Procedures” Lecture and demonstration”
- Oct 2004 Taichung, Taiwan, China Medical University School of Stomatology, “Diversity of the ProTaper™ System in Root Canal Procedures” Lecture and demonstration”
- Oct 2004 Taichung, Taiwan, Chung-Shan Medical University Faculty of Dentistry, “Diversity of the ProTaper™ System in Root Canal Procedures” Lecture and demonstration”
- Jan 2005 Loma Linda, California, Loma Linda University, 44<sup>th</sup> Annual Student Convention – LLSD, “Contemporary Perspectives & Realistic Visions for the Future of Endodontics
- Feb 2005 Ft. Lauderdale, Florida, Nova Southeastern University School of Dental Medicine
- April 2005 New Dehli, India, India Army Research & Referral Hospital, “NiTi Instruments & C-Shaped Canals, Realistic Perspectives & Practical Solutions.
- April 2005 Taipei, Taiwan, Taipei Veterans General Hospital, “ProTaper FHU University Teaching Proposal/Program”, “Comprehensive Management of C-Shaped Root Canal Systems”
- April 2005 Taoyuan, Taiwan, Chueng Gun Memorial Hospital Dental Residency, “Comprehensive Management of C-Shaped Root Canal Systems”
- April 2005 Taipei, Taiwan, National Taiwan University School of Dentistry Faculty, , “ProTaper FHU University Teaching Proposal/Program”
- May 2005 Jakarta, Indonesia, Trisakti University, “Endodontics for Beginners – Diagnosis & Treatment”
- August 2005 Wuhan, China, Wuhan University School of Stomatology “Comprehensive Management of C-Shaped Root Canals”, Lecture & Workshop

- August 2005 Beijing, China, Peking University School of Stomatology, “Comprehensive Management of C-Shaped Root Canals”
- August 2005 Singapore, The National University of Singapore Faculty of Dentistry, “Comprehensive Management of C-Shaped Root Canals”, Lecture & Workshop
- August 2005 Bangkok, Thailand, Chulalongkorn University School of Dentistry, “Contemporary Choices in Root Canal Irrigation & Disinfection”, “Comprehensive Concepts in the Management of C-Shaped Root Canal Systems”, “Resins in Root Canal Therapy – Are We There Yet?”, “Rational Pathway to Choosing an Implant – An Endodontist’s Viewpoint”
- August 2005 Ho Chi Minh City, Vietnam, Faculty of Odonto-Stomatology, University of Health Sciences, “Comprehensive Concepts in the Management of C-Shaped Root Canal Systems”, “Treatment Options When Choosing Surgical Endodontics”
- August 2005 Hanoi, Vietnam, ???, The ProTaper® System – Versatile Technology to Manage Contemporary Endodontic Challenges”
- August 2005 Kaoshiung, Taiwan, Kaoshiung Medical University, “ProTaper® vs. the Wide & Expanding World of NiTi Root Canal Instruments”
- Jan 2006 Loma Linda, California, Loma Linda University, “Surgical Endodontics – Considerations and Challenges in Contemporary Materials & Techniques”
- Jan 2006 San Francisco, California, University of California San Francisco, “Impact of Contemporary Treatment Regimes on Predictable Endodontic Outcomes”
- Sept 2006 Bangkok, Thailand, Chulalongkorn University Faculty of Dentistry, “How Far Does Endodontic Treatment Step Forward in 2006?” & Workshop on ProTaper Universal System of Managing Root Canal Treatment”
- Sept 2006 Bangkok, Thailand, Mahidol University Faculty of Dentistry, “How Far Does Endodontic Treatment Step Forward in 2006?” & Workshop on ProTaper Universal System of Managing Root Canal Treatment”
- Sept 2006 Hat Yai, Thailand, Prince of Songkla University Faculty of Dentistry, “Demystifying Pulpal-Periodontal (Endo-Perio) Relationships” & Workshop on ProTaper Universal System of Managing Root Canal Treatment”

- Sept 2006 Seoul, Korea, Yonsei University Medical Center Faculty of Dentistry, “Effective and Efficient Root Canal Preparation”
- Sept 2006 Pusan, Korea, Busan University Dental Ubiquitous Festival, Essential & Efficient Root Canal Preparation – ProTaper Universal – Versatility, Efficiency, Quality”
- Sept 2006 Chonju, Korea, Chonbuk University School of Dentistry, “Effective and Efficient Root Canal Preparation”
- Aug 2007 Dallas, Texas, Baylor College of Dentistry, Texas A&M University System Health Science Center, “Historical Perspectives on Obturation and the Role of Core-Carrier Obturation”
- April 2008 HoChiMinh City, Vietnam, The University of Medicine and Pharmacy at HoChiMinh City – Faculty of Odonto-Stomatology, “Integrated Treatment Planning Challenges for Predictable Endodontic Outcomes”, “Workshop on the Application of ProTaper Hand Instruments for Canal Cleaning & Shaping”
- May 2008 Singapore, The National University of Singapore Program, “Integrated Treatment Planning Challenges for Predictable Endodontic Outcomes”
- May 2008 Hong Kong, Prince Philip Dental Hospital, University of Hong Kong, “Integrated Treatment Planning Challenges for Predictable Endodontic Outcomes”
- June 2008 Xi’an, China, No. 4 Military Medical University, “Integrated Treatment Planning Challenges for Predictable Endodontic Outcomes
- June 2008 Shanghai, China, Shanghai Jiao Tong University School of Stomatology, No. 9 People’s Hospital of Shanghai, “ Integrated Treatment Planning Complexities and Challenges for Predictable Endodontic Outcomes”
- Oct 2008 Lima, Peru, Universidad Peruana Cayetano Heredia Postgrado en Estomatologia, “Retos y Paradigmas delo Endodoncista en la Práctica Diaria”
- May 2009 Taipei, Taiwan, Dentsply Taiwan Opinion Leaders and University Professors – “Applications of ProTaper Universal NiTi Instrments in Challenging Cases”



- May 2009 Hong Kong, Prince Philip Dental Hospital, “Lecture & Workshop on the Application of Hand and Power Driven ProTaper Universal Instruments”
- May 2009 Melbourne, Australia, University of Melbourne, ANZE, “Biological and Clinical Advancements in Surgical Endodontics”
- Sept 2009 Beijing, China, Peking University School of Stomatology and Capital Medical University School of Stomatology, “Endodontic Treatment for Tooth Retention vs. Removal and Replacement with an Implant” – Lecture and Hands-on Course in the Application of New Rotary Technologies in root Canal Treatment”
- Sept 2009 Guangzhou, China, Guangdong Stomological Association, Guanghua School of Stomatology, Sun Yat-Sen University, “Complexities of the Root Canal System and Their Implications in Non-surgical Treatment and Revision”, “Endodontic Treatment for Tooth Retention vs. Extraction and Implant Placement”
- Sept 2009 Mumbai, India, Government Dental School and Hospital, Maharashtra University of Health Science – Faculty of Endodontics and Conservative Dentistry, “Future Directions in Endodontics”
- Nov 2009 San Francisco, California, University of California San Francisco, “Issues Impact on Treatment Outcomes, Materials, Applications and Technique Developments in Endodontic Practice – Both Historical and Contemporary”
- Mar 2010 Philadelphia, PA, “23<sup>rd</sup> Steven P. Chartan Memorial Lecture –Scientific, Biologic and Evidence-Based Information to Support Treatment Choices with a View to Predictable Outcomes,” “Crown Lengthening for the Endodontist,” “Root and Tooth Resections Revisited”
- Feb 2011 Dallas, TX, Baylor College of Dentistry, Quad Schools Graduate Endodontic Symposium, “Historical & Biologic Perspectives on Choices in Working Length Determination & Termination of Root Fillings”
- Mar 2011 New Orleans, LA, LSU Health Sciences Center School of Dentistry, Post Graduate Endodontics - “Evidenced-Based Update on Periapical Surgery”, “Historical and Contemporary Perspectives on Root/Tooth Resections”
- Mar 2011 New Orleans, LA, LSU Health Sciences Center School of Dentistry, LSUSD Advanced Education Grand Rounds 2011, “The Dynamic Nature of Treatment Planning”

- Dec 2011 San Francisco, CA, University of California at San Francisco, Postgraduate Endodontic Program, “Principles and Applications of Surgical Endodontics”
- Feb 2012 Bogotá, Colombia, Universidad El Bosque, Facultad De Odontología y Posgrado De Endodoncia, “Taller de Actualización en Cirugía Endodóntica” Lecture and Hands-on Clinical Program
- Feb 2012 Bogotá, Colombia, Universidad El Bosque, Facultad De Odontología y Posgrado De Endodoncia, “CBCT in Endodontic Diagnosis and Treatment Planning”, “Endodontic-Orthodontic Interrelationships”
- June 2012 Adelaide, Australia – University of Adelaide Graduate Endodontic Program, “Perspectives on the Management of Large Periradicular Lesions”
- Nov 2012 Tromsø, Norway, University of Tromsø Clinic of Odontologia, “Diagnostic Challenges in the Scope of Endodontics”, “Importance of Integrated Treatment Planning in Tooth Retention”
- Jan 2013 Milwaukee, WI, Marquette University School of Dentistry, Graduate Endodontic Program - “The Evolution of Surgical Philosophies & Technical Applications in Endodontics”, “Is An Apicoectomy Ever Successful? If so, under what conditions?”, “Evidenced-Base Rational for Surgical Choices in Techniques and Materials”, “Root and Tooth Resections Revisited”
- Jan 2014 Kansas City, MO, UMKC Postgraduate Endodontics (including residents from University of Iowa and Nebraska) – “A Biological Case for Surgical Endodontic Intervention with a Focus on Clinical Management”
- Sept 2014 Bogota, Colombia, Universidad Nacional, “Challenges in Tooth Retention – Pulpal, Periodontal, Restorative and Orthodontic considerations”; “Endodontology Meets Implantology – Considerations and Outcomes”

### **c. Program Administration**

- April 1978 Las Vegas, Nevada: Chairman and Moderator "Symposium on Infection" American Association of Endodontics Annual Meeting
- April 1979 Atlanta, Georgia, Chairman and Moderator of Projected Clinics Section. American Association of Endodontics Annual Meeting.

- Oct. 1980 New Orleans, Louisiana: American Dental Association Annual Meeting, Course Director, "Workshop on the Fundamentals of Endodontic Surgery"
- Jan. 1981 Panama City, Panama: XV Congress Instmeno De Odontologia, Course Director "Workshop on the Fundamentals of Endodontic Surgery"
- March 1981 Chicago, Illinois: American Association of Endodontists - Workshop on Accreditation for Advanced Specialty Education in Endodontics, Program Chairman and Moderator
- Oct. 1981 Kansas City, Missouri: American Dental Association Annual Meeting, Course Director, "Workshop on the Fundamentals of Endodontic Surgery"
- Nov 1982 Las Vegas, Nevada: American Dental Association Annual Meeting, Course Director, "Workshop on Radiographic Technique and Interpretation in Endodontic Treatment"
- Oct. 1983 Anaheim, California: American Dental Association Annual Meeting, Course Director, "Workshop on Diagnosis and Management of Endodontic Emergencies and Traumatic Tooth Injuries"
- April 1984 Toronto, Ontario, Canada: Chairman and Moderator, "Biological and Clinical Aspect of Bone Repair and Regeneration," American Association of Endodontists Annual Meeting.
- Oct. 1984 Atlanta, Georgia: American Dental Association Annual Meeting, Course Director, "Workshop on the Fundamentals of Endodontic Surgery."
- Nov. 1984 Dallas, Texas: Endowment & Memorial Foundation, American Association of Endodontists, Program Chairman, International Conference on Oral Trauma
- March 1985 Philadelphia, Pennsylvania: Liberty Dental Conference, Course Director, "Workshop on Diagnosis and Management of Endodontic Emergencies and Traumatic Tooth Injuries"
- April 1985 San Diego, California: Chairman and Moderator "Comprehensive Diagnosis and Management of Pain in Endodontic Practice" American Association of Endodontists Annual Meeting
- Nov. 1985 San Francisco, California: American Dental Association Annual Meeting. Course Director "Workshop on Diagnosis and Management of endodontic Emergencies and Traumatic Tooth Injuries"

- April 1986 Boston, Massachusetts: Chairman and Moderator "A Critical Assessment of the Biological Rationale for Modern Endodontic Practice: American Association of Endodontists Annual Meeting.
- Oct. 1986 Miami, Florida: American Dental Association Annual Meeting Course Director "Workshop on the Fundamentals of Endodontic Surgery."
- May 1987 San Antonio, Texas: American Association of Endodontics Annual Session - Course Director "Workshop on the Fundamentals of Endodontic Surgery."
- Oct. 1987 Chicago, Illinois: Conference Chairman "Controversies in Dentistry" American Association of Endodontists and Endowment and Memorial Foundation
- March 1989 San Francisco, California: Workshop Facilitator, "Revision and Update of Undergraduate Guidelines for Teaching Endodontics-AADS"
- March 1992 Boston, Massachusetts: Chairman - Workshop to Review the Status of Endodontic Departments and Educational Programs
- May 1993 Chicago, Illinois: American Association of Endodontists 50th Annual Session, "Endodontics for the year 2000...2010? What does the future hold and where are we going?"
- May 1993 Chicago, Illinois, American Association of Endodontists 50th Annual Session, Practitioners Platform Session Moderator
- April 1994 Honolulu, Hawaii: American Association of Endodontists 51st Annual Session, Practitioners Platform Session Moderator
- May 1995 Orlando, Florida, American Association of Endodontists 52nd Annual Session, Practitioners Platform Session Moderator
- April 1996 Dallas, Texas, American Association of Endodontists 53rd Annual Session, Practitioners Platform Session Moderator
- May 1997 Seattle, Washington, American Association of Endodontists 54rd Annual Session, Practitioners Platform Session Moderator
- May 1998 New York, New York, American Association of Endodontists 55<sup>th</sup> Annual Session – Moderator for and participant in the following electronic interactive programs:  
 “Co-Workers’ Conflict Resolution: Smoothing Relationships”  
 “NYPD (New York Pain Detective) – What is it?”

“Endodontic Emergencies: Meeting the Challenge”

- April 1999 Atlanta, Georgia, American Association of Endodontists 56<sup>th</sup> Annual Session – Moderator for Scientific Session – “Managing the Apical Third”
- October 2001 Munich, Germany, 10<sup>th</sup> Biennial Congress of the European Society for Endodontology, “Moderator for Symposium on Pain”
- April 2002 Chicago, Illinois, American Association of Endodontists 59<sup>th</sup> Annual Session – Moderator for Scientific Session – “Systemic Disease”
- Jan 2003 Loma Linda, California, Loma Linda University, Moderator for Two Day Live Demonstration Program, “The Hows of Nonsurgical and Surgical Endodontics”
- Jan 2003 Villars, Switzerland, Dentsply - Maillefer European Endodontic Forum 2003, Moderator for Scientific Sessions
- Sept 2003 Athens, Greece, 11<sup>th</sup> Biennial Congress of the European Society of Endodontology, “Symposium – Controversial Issues in Achieving Success with Endodontic Therapy” – Moderator
- May 2004 Singapore, Dentsply Asia Endodontic Opinion Leaders Forum 2004, Moderator for Scientific Sessions
- May 2005 Bangkok, Thailand Dentsply Asia Endodontic Opinion Leaders Forum 2005, Moderator for Scientific Sessions
- July 2008 Santa Ana Pueblo, New Mexico, Tulsa Dental Specialties Endodontic Opinion Leaders Forum, Moderator and Chair – Roundtable discussion on “The use of antibiotics in endodontics”
- Jan 2010 Switzerland, Dentsply Maillefer Endodontic Opinion Leaders Forum, Chair of Case Contest Presentation
- June 2011 Switzerland, Dentsply Maillefer Endodontic Opinion Leaders Forum, Chair of Case Contest Presentation
- July 2011 Half Moon Bay, CA, Tulsa Dental Specialties Endodontic Opinion Leaders Forum, Chair and Moderator of the Case Contest Presentation
- May 2014 Evian, France, Dentsply Maillefer Endodontic Forum, Chair & Moderator of the Case Contest Presentation

## 2. Guest Lecturer

- March 1973 Fort Lee, Virginia: Continuing Education Program, "Pulp Capping".
- Sept. 1974 Hadley, Massachusetts: Hampshire Dental Society, "Endodontic Popouri".
- Feb. 1976 Richmond, Virginia: Richmond Dental Society, "Diagnosis and Emergency Endodontic Treatment".
- March 1976 Richmond, Virginia: Metropolitan Dental Academy, "Sargenti-Endodontics-N2".
- Oct. 1976 Baltimore, Maryland: Northwest Dental Study Club, "Endodontic-Restorative Considerations".
- Oct. 1976 Baltimore, Maryland: Monumental Study Club, "Endodontic Triage".
- Oct. 1976 Baltimore, Maryland: Gorgas Odontological Scholastic Society, "Sargenti-Endodontics, An Objective Viewpoint".
- Jan. 1977 Baltimore, Maryland: Baltimore City Dental Society Annual University Day Program, "Endodontics-1999".
- Jan. 1977 Baltimore, Maryland: "Sinai Hospital, "Endodontic-Periodontic Interrelationships".
- Feb. 1977 Baltimore, Maryland: Baltimore County Dental Society, "Radiographic Interpretation in Endodontic Diagnosis".
- March 1977 Baltimore, Maryland: Baltimore College of Dental Surgery, Dental School, Study Club, "Diagnosis and Treatment in Endodontic-Periodontic Lesions".
- Sept. 1977 Washington, D.C.: Bi-County Dental Society, "Endodontic Misadventures".
- Oct. 1977 Baltimore, Maryland: Academy of General Dentistry, "Endodontic Insights".
- Oct. 1977 Baltimore, Maryland: American Society of Dentistry for Children, "Pediatric-Endodontic Pedodontics".
- April 1978 Arlington, Virginia: U.S. Army, "Prevalence, Incidence, and Patency of Accessory Canals in the Furcation Region of Permanent Molars".

- April 1978 Annapolis, Maryland: Annapolis-Bowie-Glen Burnie Study Club, "Endodontic-Periodontic Interrelationships"
- Jan. 1979 Washington, D.C.: Metropolitan Study Club Diagnosis and Management of Vertical Fractures"
- Jan. 1979 Baltimore, Maryland: Baltimore City Dental Society Annual University Day Program, "Endodontics Management of Vertical Fractures"
- June 1979 Baltimore, Maryland: Alumni-Week-Baltimore College of Dental Surgery, "Endodontic Cliffhangers"
- Oct. 1979 Washington, D.C.: Greater Washington Dental Science Club "Endodontic Retreatment"
- Nov. 1979 Lancaster, Pennsylvania: Lancaster County Dental Society "Restoration of Endodontically Treated Teeth"
- March 1980 Adelphi, Maryland: Montgomery County Dental Study Club, "Diagnosis and Management of Vertical Tooth Fractures"
- Jan. 1981 Silver Spring, Maryland: Diagnostics Unlimited "Contemporary Endodontics for Today's Practitioner"
- June 1981 Washington, D.C.: Dental Science Club "Hazards in Endodontics and their Management"
- Oct. 1981 Seattle, Washington: Northwest Academy of Endodontics "Apexogenesis-Apexification"
- Nov. 1981 Washington, D.C.: Maimonides Study Club - "Is it Success or Failure - A Biological and Clinical Approach to Evaluating Endodontic Treatment" and "Restoration of Endodontically Treated Teeth"
- Feb. 1982 Northampton, Massachusetts: Hampshire Dental Society, "Restoration of Endodontically Treated Teeth"
- March 1982 Richmond, Virginia: Richmond Dental Society, "Restoration of Endodontically Treated Teeth"
- March 1982 Baltimore, Maryland: Baltimore County - Cecil County Dental Societies Annual Session "Endodontics for the 80's: New Trends - New Directions"

- April 1982 Louisville, Kentucky Endodontic Association "New Directions in Endodontic Research"
- April 1982 Lowry Air Force Base, Colorado: AFB Dental Study Club "New Directions in Endodontics for the 80's"
- June 1982 Dover Delaware: Dover AFB Study Club "Endodontics - Some Old Problems - Some New Directions"
- Sept. 1982 Burlington, Vermont: Medical Center Hospital of Vermont, "Endodontics in General Practice"
- March 1983 Denver, Colorado: University of Colorado Symposium on Endodontics "Management of Impact Injuries in the Traumatized Patient"
- April 1983 Dallas, Texas: Childrens Hospital Medical Center "Trauma to the Mixed Dentition"
- May 1983 Dallas, Texas: Alpha Omega, Dallas Chapter, "Endodontics-Restorative Considerations"
- June 1983 Dover, Delaware: Dover AFB Study Club, "Fundamentals of Endodontic Surgery"
- Nov. 1983 Garland, Texas: Garland Dental Study Club, "Up-To-Date Guideline for the Management of Dental Trauma"
- Dec. 1983 Dallas, Texas: Unitek Corporation "Marketing the New Dental Instrument: Thermoplasticized Gutta Percha"
- Dec. 1983 Dallas, Texas: Dallas County Dental Society "Innovative Techniques in Root Canal Obturation"
- June 1984 Atlanta, Georgia: Georgia Endodontic Association, "Root Canal Obturation with Thermoplasticized Gutta Percha"
- Oct. 1984 Bethesda, Maryland: Edward C. Penick Endodontic Study Club "Perspectives on Root Canal Obturation with Thermoplasticized Gutta Percha"
- Feb. 1985 Chicago, Illinois: Edgar C. Coolidge Endodontic Study Club "Critical Perspective on Thermoplastic Gutta-Percha"
- March 1985 Dallas, Texas: Oak Cliff Study Club, "New Products - New Techniques in Endodontic Treatment"



- March 1985 Banff, Alberta: Alberta Society of Endodontists "Dental Trauma" and "Principles of Thermoplasticized Gutta-Percha Obturation"
- May 1985 St. Louis, Missouri: Greater St. Louis Endodontic Study Club, "Current Endodontic Practices for the Endodontist"
- Sept. 1986 St. Louis, Missouri: Greater St. Louis Endodontic Study Club "Biologic Parameters of Root Canal Obturation with Thermoplasticized Gutta Percha"
- Oct. 1986 Dallas, Texas: Baylor College of Dentistry "Myths, Misconceptions and Truths (?) in Endodontics"
- Oct. 1986 Dallas, Texas: North Texas Society of Oral & Maxillofacial Surgeons "Management of Traumatic Injuries to the Dentition"
- Feb. 1987 Salt Lake City, Utah Endodontic Association "Update in Endodontics"
- Aug. 1987 Dallas, Texas: Academy of General Dentistry "Endodontic Update"
- Sept. 1987 Arlington, Texas: Arlington Dental Study Club "Perspectives on Technological Advances in Endodontics"
- Feb. 1988 Bethesda, Maryland: Edward C. Penick Endodontic Study Club "Perspectives on Gutta-Percha Adaptation and Flow During Root Canal Obturation"
- March 1988 Ann Arbor, Michigan: R.F. Sommer Study Club "Problem Solving in Endodontics"
- Feb. 1989 Taichung, Taiwan, Republic of China: Veterans General Hospital "Myths, Misconceptions, and Truths in Endodontics"
- Feb. 1990 Baltimore, Maryland: Maryland Society of Endodontists "Historical Roots of Surgical Endodontics"
- Feb. 1990 Memphis, Tennessee: Memphis Dental Society "The Keys to Quality and Success in Root Canal Treatment"
- May 1990 Longview, Texas: Gregg County Dental Society "Keys to Endodontic Success"
- June 1990 Ft. Smith, Arkansas: Northwest District Dental Society, "Problem Solving in Clinical Endodontics"

- July 1990 Mt. Pleasant, Texas: Fifth District Dental Society "Current Perspectives on Endodontic Therapy"
- March 1991 Dallas, Texas, Alpha Omega Graduate Dental Chapter, "Endodontic Controversies"
- June 1991 Kansas City, Missouri, Missouri State Association of Endodontists, "Future Research Directions in Endodontics"
- January 1992 Los Angeles, California, Palm Springs Seminars Inc., "Root Canal Obturation with the Obtura Thermoplasticized Gutta-Percha System"
- May 1992 Cambridge, Massachusetts, Greater Boston Dental Society, "Beyond 2000 - The Future of Endodontics"
- Sept. 1992 Dallas, Texas, American College of Dentists, "Contemporary Perspectives on Root Canal Obturation and Lasers in Endodontics"
- Sept. 1993 Los Angeles, California, Southern California Academy of Endodontics, "Scientific Challenges to the Contemporary Practice of Endodontics"
- Feb. 1994 Chicago, Illinois, Edgar D. Coolidge Endodontic Study Club, "Scientific Challenges to Contemporary Endodontics"
- April 1994 Bethesda, Maryland, Edward C. Penick Endodontic Study Club, "Gutta-percha - A New Look at an Old Material"
- June 1994 Tulsa, Oklahoma, Oklahoma City Area Indian Health Service Annual Meeting, "Common Problems in Canal Cleaning, Shaping and Obturation"
- Dec 1994 Milwaukee, Wisconsin, Hal Gerstein Endodontic Study Club, "Biologic Insights into Key Aspects of Current Endodontic Treatment"
- Feb 1996 Dallas, Texas, Dallas County Dental Assistant Society, "Endodontic Update"
- March 1996 Portland, Oregon, F. James Marshall Endodontic Study Club, "Contemporary Perspectives on Endodontology" - Full day course
- Nov 1996 St. Louis, Missouri, St. Louis Endodontic Study Club, "Perspectives on Endodontic Terminology"
- April 1997 Singapore, Singapore Endodontic Study Club, "What is an Endodontist and the Future of Endodontics"

- Aug 1997 Manila, Philippines, Endodontic Society of the Philippines, “Integrated Treatment in the Global Standard of Endodontic Care – Success Failure/Trauma/Endo-Perio/Restoring Endodontically Treated Teeth”
- Mar 1998 Seattle, Washington, Washington State Association of Endodontists, “Biological & Clinical Parameters of Surgical Treatment Planning & Execution”
- April 1998 San Diego, California, Ed Nutting Endodontic Study Club, “Perspectives on Hemostasis and Ultrasonic Root-End Preparation in Surgical Endodontics”
- April 1998 Los Angeles, California, Southern California Academy of Endodontists, “Pulpal-Periodontal versus Endodontic-Periodontic – Distinctions, Diagnoses, Controversies & Classifications”
- March 1999 London, England, Langham Endodontic Study Club, “Factors Affecting Hard Tissue Healing in Surgical Endodontics”
- Dec 1999 Killeen, Texas, Ft. Hood Dental Activity, "Dilemmas in Managing Endodontic Emergencies"
- Jan 2000 Miami, Florida, South Florida Endodontic Study Club, "Activities and Future Directions of the AAE"
- Aug 2000 Hong Kong, China, Hong Kong Endodontic Society, “Expansion and Integration of Rotary Instrumentation”
- Feb 2001 Chicago, Illinois: Edgar C. Coolidge Endodontic, “AAE Strategies in Motion: An Evidenced-Based Perspective on Ultrasonic Root-End Preparations
- Dec 2001 Dallas, Texas, Dallas Dental Hygienists’ Society, “Endodontics & Dental Hygiene – A New Paradigm”
- Jan 2002 Los Angeles, California, Southern California Academy of Endodontics, “Integrated & ‘Realistic Perspectives on Success with Surgical Endodontics”
- Jan 2002 Les Diablerets, Switzerland, Dentsply – Maillefer, “Musings on the Teaching of Rotary Instrumentation to Dental Students”

- March 2002 Philadelphia, Pennsylvania, Louis I. Grossman Endodontic Study Club, “Biologic vs. Clinical Perspectives on Working Length Determination in Endodontics”
- March 2002 Arlington, Texas, Arlington Dental Study Club, “Some Musings on the Restoration of Endodontically Treated Teeth”
- August 2002 Tulsa, Oklahoma, Dentsply Endodontics 2002 Opinion Leaders Forum, “Integration of ProTaper & ProFiles: A Winning Combination For Thorough Canal Cleaning & Shaping”
- Sept 2002 Wilmington, North Carolina, Tar Heel Endodontic Association, “Endodontic Decision-Making Between Surgical and Nonsurgical Endodontics”
- Nov 2002 Guangzhou, China, Dentsply Asia – Guangzhou Training Center, “Integrated ProTaper/ProFile Systems -Demonstration & Workshop”
- July 2003 Tulsa, Oklahoma, Dentsply Endodontics 2003 Opinion Leaders Forum, “GPR – The Evolution of a New Era in Root Canal Obturation”, “Expanded Perspectives on the Integration of ProFiles and ProTapers”
- Oct 2003 Chicago, Illinois, Edgar D. Coolidge Endodontic Study Club, “An Introspective Assessment of Endodontic Treatment Possibilities and Outcomes – Root & Tooth Resections Revisited; Endodontic Treatment Outcomes”
- Nov 2003 Taipei, Taiwan, Dentsply Taiwan, “Versatile Technology for Today’s Root Canal Procedures” – lecture and technique demonstrations
- Oct 2004 San Diego, California, Ed Nutting Endodontic Study Club, “Root & Tooth Resections Revisited”
- Oct 2004 San Diego, California, Summit Dental Study Club, “Integrated Diagnosis and Treatment Planning Challenges for Predictable Endodontics”
- Oct 2004 Hong Kong, Dentsply Asia, “An Endodontic Update – Advances Achieved and Challenges Faced” Lecture and demonstration
- Oct 2004 Taipei, Taiwan, Dentsply Taiwan, “An Endodontic Update – Advances Achieved and Challenges Faced” Lecture and demonstration
- Oct 2004 Taipei, Taiwan, Dentsply Taiwan, “ProTaper™ Advanced Concepts – Challenges in Concepts, Challenges in Applications, Challenges in Teaching”

- April 2005 Phoenix, Arizona Summit Dental Study Club, “Integrated Diagnosis and Treatment Planning Challenges for Predictable Endodontics”
- April 2005 Chennai, India, Dentsply India, “NiTi Instruments & C-Shaped Canals, Realistic Perspectives & Practical Solutions” Lecture & workshop
- April 2005 Taipei, Taiwan, Dentsply Taiwan, “Comprehensive Management of C-Shaped Root Canal Systems” – Lecture & Workshop
- May 2005 Jakarta, Indonesia, Dentsply Indonesia/Building Solid Foundation and IKORGI, “NiTi Instruments & C-Shaped Canals, Realistic Perspectives & Practical Solutions” Lecture & Workshop
- August 2005 Pune, India, Dentsply India, “Comprehensive Management of C-Shaped Root Canals”, Lecture & Workshop
- Feb 2009 Dallas, Texas, North Texas Hispanic Dental Association, “A Cross-Section of Endodontic Challenges in Daily General Dental Practice”
- Feb 2010 Chicago, IL, Edgar D.Coolidge Endodontic Study Club, “Pivotal Benchmarks in the Evolution of Contemporary Endodontics”
- Mar 2010 Baltimore, MD, Greater Chesapeake Dental Study Club, “Diagnosis, Planning for Treatment and Management of Endodontic Emergencies,” “Meeting the Anatomical Challenges of Endodontics,” “Meeting the Technical Challenges of Endodontics,” “Treatment Planning Tooth Retention vs. Extraction and Replacement”
- Mar 2010 Philadelphia, PA, Louis I. Grossman Endodontic Study Club, “Pivotal Benchmarks in the Evolution of Contemporary Endodontics”
- July 2011 Half Moon Bay, CA, Dentsply Tulsa Dental Specialties Opinion Leaders Meeting, “Assessment of Endodontic Irrigation Presentation for KOLs”
- July 2011 Half Moon Bay, CA, Dentsply Tulsa Dental Specialties Opinion Leaders Meeting, “Decision Making Regarding the Facts and Values of Choosing Single vs Multiple Use Patient Instruments”
- Oct 2011 Denton, Texas, TEGI Continuing Education Program, “Pain – Emergencies – Diagnosis – Treatment Planning: The role of the General Dentist and Endodontist in Saving a Tooth or Losing a Tooth”
- Jan 2012 Troy, MI, Endodontic Associates Doctors, “Treatment Planning Choices: Insights into a Wide range of Possibilities for Tooth Retention”

- Jan 2013 Dallas, TX, DFW Metroplex Endodontic Society, "So You Think Everything You Learned About Endodontics is New?"
- Oct 2013 Detroit, MI, Endodontic Associates Doctors, "Treatment Planning Choices - Insights into a Wide Range of Possibilities for Tooth Retention

### **3. Continuing Education Courses (one or more days)**

- Jan. 1976 Youngstown, Ohio: University of Pittsburgh, Continuing Education, "Current Concepts in Endodontics"
- March 1976 Frederick, Maryland: "University of Pittsburg, Continuing Education, "Current Concepts in Endodontics"
- Dec. 1976 Cumberland, Maryland: "Advanced Endodontics for the General Practitioner"
- Oct. 1978 Baltimore, Maryland: "Management of Adjunctive Procedures in Endodontic Therapy: A Participation Course"
- Nov. 1978 Cumberland, Maryland: Allegheny-Garrett County Dental Society's "Contemporary Endodontics for the General Practitioner"
- April 1979 Baltimore, Maryland: "A Participation Course in Molar Endodontics - A Four Day Course"
- Nov. 1979 Baltimore, Maryland: "A Participation Course in the Fundamentals of Endodontic Surgery"
- Nov. 1979 Providence, Rhode Island: Rhode Island Dental Society, "Contemporary Endodontics for Today's Practitioner"
- Dec. 1979 Morgantown, West Virginia: West Virginia Dental Association, "Contemporary Endodontics for Today's Practitioner"
- Feb. 1980 Baltimore, Maryland: "A Participation Course in Molar Endodontics" - A Four Day Course
- May 1980 Baltimore, Maryland: "A Participation Course in Molar Endodontics" - A Four Day Course
- June 1980 Baltimore, Maryland: "A Participation Course in Molar Endodontics" - A Four Day Course

- Oct. 1980 Baltimore, Maryland: "A Participation Course in the Fundamentals of Endodontic Surgery"
- Oct. 1980 Baltimore, Maryland: "A Participation Course in Molar Endodontics" - A Four Day Course
- Nov. 1980 Hagerstown, Maryland: Washington County Dental Society "New Perspectives in Endodontics"
- March 1981 Munich, West Germany: 7th Army Medical Command, "Endodontics for the General Practitioner" Two Day Course
- May 1981 Abingdon, Virginia: Virginia Dental Association "A Practical Approach to Endodontic Treatment for the Family Practitioner"
- June 1981 Baltimore, Maryland: "A Participation Course in Molar Endodontics" - A Four Day Course
- Oct. 1981 Seattle, Washington: University of Washington Continuing Education, "Approaching a New Decade in Endodontics" - Two Day Course
- Nov. 1981 Harrisburg, Pennsylvania: Harrisburg Dental Society "Contemporary Endodontics for Today's Practitioner"
- Dec. 1981 Milwaukee, Wisconsin: Marquette University School of Dentistry, "Workshop on the Fundamentals of Anterior Endodontic Surgery" - Two Day Course
- April 1982 Port Deposit, Maryland: Wilmark Dental Study Club, "Contemporary Endodontics for Today's Practitioner" - Two Day Course
- April 1982 Baltimore, Maryland: "A Participation Course in the Fundamentals of Endodontic Surgery"
- May 1982 Baltimore, Maryland: "A Participation Course in Molar Endodontics" - A Four Day Course
- Sept. 1982 Kennewick, Washington: Columbia Periodontal Study Club "Workshop on the Fundamentals of Endodontic Surgery"
- Oct. 1982 St. Paul, Minnesota: St. Paul District Dental Society "Endodontics for the 80's: New Trends-New Directions"

- March 1983 Columbus, Ohio: Ohio State University Continuing Education "Fundamentals of Endodontic Surgery - Workshop"
- Nov. 1983 Montreal, Canada: University of Montreal Continuing Dental Education "Fundamentals of Endodontic Surgery - Workshop"
- Feb. 1984 Minneapolis, Minnesota: Minneapolis Dental Society, "A Biological Approach to Clinical Endodontics and Pulp Therapy"
- March 1984 Dallas, Texas: Baylor College of Dentistry "Endodontics for the General Practitioner" - Three Day Course
- Sept. 1984 Dallas, Texas: Baylor College of Dentistry, "A Simple Approach to Endodontics" - One Day Course
- Jan. 1985 Albuquerque, New Mexico: University of New Mexico Southwest Institute for Continuing Dental Education "Simplification and Application of Predictable Endodontic Technique" - Two Day Course
- Feb. 1985 Dallas, Texas: Baylor College of Dentistry "Endodontics for the General Practitioner" - Three Day Course
- Oct. 1985 Dallas, Texas: Baylor College of Dentistry, "Trouble Shooting and Problem Solving in Endodontics"
- Jan. 1986 Dallas, Texas: Baylor College of Dentistry, "Advanced Principles of Root Canal Treatment: Injectable (Thermoplasticized) Gutta-Percha Technique: - 2 one-day participation courses.
- Feb. 1986 Dallas, Texas: Baylor College of Dentistry "Basic Principles of Endodontics for the General Practitioner" - 3 day participation course
- Feb. 1986 Shreveport, Louisiana: Northwest Louisiana Endodontic Study Club. Full day participation course in "Advanced Principles of Root Canal Treatment"
- Feb. 1986 Chicago, Illinois: 121st Chicago Mid-Winter Meeting. Full day Participation Course in "Ultrasonic Canal Preparation and Thermoplasticized Gutta-Percha Obturation"
- Feb. 1986 Oklahoma City, Oklahoma: Academy of General Dentistry Contemporary Concepts in Endodontics - 1986. Two day lecture/participation course.



- March 1986 Atlanta, Georgia: Thomas P. Hinman Dental Meeting. Full-day participation course in "Principles of Root Canal Obturation with Thermoplasticized Gutta-Percha"
- May 1986 Milwaukee, Wisconsin: Wisconsin Academy of General Dentistry "Participation Course in Modern Endodontic Treatment" Two Day Course
- May 1986 Baltimore, Maryland: Baltimore College of Dental Surgery "Participation Course in Thermoplastic Gutta-Percha Techniques"
- Oct. 1986 Madison, Wisconsin: Dane County Dental Society "Contemporary Endodontic Therapy"
- Nov. 1986 Memphis, Tennessee: University of Tennessee Continuing Education "Advanced Principles of Thermoplasticized Gutta-Percha"
- Nov. 1986 Ft. Smith, Arkansas: University of Tennessee Continuing Education "Advanced Principles of Thermoplasticized Gutta-Percha"
- Dec. 1986 Dallas, Texas: Baylor College of Dentistry "Advanced Principles of Thermoplasticized Gutta-Percha"
- Jan. 1987 Dallas, Texas: Baylor College of Dentistry "Advanced Principles of Thermoplasticized Gutta-Percha"
- Feb. 1987 Pittsburgh, Pennsylvania: Academy of Dentistry "Integration of Contemporary Endodontic Philosophy and High Technology Treatment."
- April 1987 El Paso, Texas: El Paso Dental Study Club "Advanced Principles of Thermoplasticized Gutta-Percha"
- May 1987 Dallas, Texas: Baylor College of Dentistry "Advanced Principles of Thermoplasticized Gutta-Percha"
- June 1987 Dallas, Texas: Baylor College of Dentistry "Principles of Endodontic Therapy in Multi-rooted Teeth" - 2 day course
- Aug. 1987 Memphis, Tennessee: University of Tennessee Continuing Education "Fundamentals of Endodontic Surgery" - Participation Course
- Jan. 1988 Milwaukee, Wisconsin: Greater Milwaukee Dental Association "Enhanced Endodontic Success: Problem Solving in Diagnosis and Treatment"

- Sept. 1988 Denton, Texas: Texas Dental Association 4th District Dental Society "Enhanced Endodontic Success - Using Problem Solving as an Approach to Diagnosis and Treatment"
- Sept. 1988 Iola, Kansas: Southeast Kansas District Dental Society "An Evaluation of Contemporary Approaches to Endodontic Diagnosis and Treatment"
- Oct. 1988 Springfield, Massachusetts: Valley District Dental Society "Parameters of Enhanced Success in Endodontic Diagnosis and Treatment"
- Nov. 1988 New York, New York: Greater New York Dental Meeting "The Dynamics of Current Endodontic Treatment"
- Nov. 1988 San Antonio, Texas: University of Texas Health Science Center "Workshop on the Fundamentals of Endodontics Surgery"
- Jan. 1989 Overland Park, Kansas: Fifth District Dental Society "Contemporary Endodontic Treatment"
- Feb. 1989 Attleboro, Massachusetts: Study Memorial Hospital "Contemporary Perspectives on Canal Preparation and Obturation"
- April 1989 Calgary, Alberta, Canada: Southern Alberta Endodontic Society "Problem Solving in Endodontics" 2 day lecture/participation course
- April 1989 Dallas, Texas: Baylor College of Dentistry "Participation Course in Thermoplasticized Gutta-Percha Techniques"
- Aug. 1989 Kuala Lumpur, Malaysia: University of Malaya "Participation Course in the Principles of Surgical Endodontics"
- Sept. 1989 Salt Lake City, Utah: Utah Association of Endodontists, "Parameters of Success and Failure in Nonsurgical and Surgical Endodontics"
- Oct. 1989 Omaha, Nebraska: Creighton University School of Dentistry, "Principles of Contemporary Endodontics Using Thermoplasticized Gutta-Percha"
- Dec. 1989 Dallas, Texas: Baylor College of Dentistry, "Advanced Principles of Root Canal Treatment"
- Jan. 1990 Amarillo, Texas: Palo Duro Study Club, "A Mosaic View of Contemporary Endodontics"

- Jan. 1991 Wausau, Wisconsin, Central Wisconsin Dental Association, "Enhanced Endodontic Success - Problem Solving Techniques in Diagnosis and Treatment"
- May 1991 Albuquerque, New Mexico, Academy of General Dentistry Mastership Track Program, Three-day presentation in "Endodontics for the 90's"
- June 1991 Dallas, Texas, Baylor College of Dentistry, "Problem Solving in Endodontics"
- April 1992 Milwaukee, Wisconsin, The Dental Forum, "Endodontic Controversies"
- March 1993 Newark, New Jersey, University of Medicine & Dentistry of New Jersey, "Clinical Integration of Biologic Surgical Principles in Endodontics"
- March 1993 New York, New York, New York University College of Dentistry, "Problem Solving: The Key to Quality and Success in Endodontics"
- April 1993 Dallas, Texas, Baylor College of Dentistry, "Problem Solving: The Key to Quality and Success in Endodontics"
- Oct 1993 Orlando, Florida, American Dental Association, "Dynamics of Problem Solving in Endodontics" - two day workshop
- Oct 1993 London, Ontario, Canada, "Problem Solving in Contemporary Endodontics" - two day lecture/workshop
- Feb 1994 Augusta, Maine, Maine Dental Association, "Dynamics of Problem Solving in Endodontics"
- Mar 1994 Allentown, Pennsylvania, University of Pennsylvania Extramural Programs, "Problem Solving in Contemporary Endodontics"
- Mar 1994 Perry Point, Maryland, VA Eastern Dental Education Center, "Update in Endodontics"
- June 1994 Ann Arbor, Michigan, The University of Michigan School of Dentistry, "The Dynamics of Problem Solving in Endodontics" - two day participation course
- Sept 1994 Olsberg, Germany, Privatlinik Schloß Schellenstein, "Endodontie heute - Prinzipien und Anwendungen" (Contemporary Endodontics - Principles and Techniques)(two day participation course)

- Sept 1994 Beirut, Lebanon, St. Joseph's University, "Application of Contemporary Endodontic Techniques - A Participation Course"
- Nov 1994 Dallas, Texas, Baylor College of Dentistry, "Problem Solving in Endodontics"
- Jan 1995 Kuala Lumpur, Malaysia, FDI World Dental Federation/Malaysian Dental Association 2nd Joint Scientific Convention, "Contemporary Basic Endodontics" - Hands-On Course I; "Contemporary Molar Endodontics" - Hands-On Course II
- Jan 1995 Kuala Lumpur, Malaysia, Faculty of Dentistry, University of Malaya, "Contemporary Molar Endodontics" - Hands-On Course
- Mar 1995 Winnipeg, Manitoba, Canada, Winnipeg Dental Society, "Problem Solving in Endodontics"
- Sept 1995 Iowa City, Iowa, University of Iowa School of Dentistry, "Endodontics in Quality Comprehensive Dentistry: Integration of Standard of Care"
- Aug 1996 Tygerberg, South Africa, University of Stellenbosch, "Participation Course in New Canal Preparation and Obturation Techniques"
- Nov 1996 St. Louis, Missouri, The Greater St. Louis Dental Society, "Standards of Care & Quality Assurance in Successful Contemporary Endodontics"
- Mar 1997 Oklahoma City, Oklahoma, Oklahoma County Dental Society, "Standards of Care and Quality Assurance in Endodontics" "Realistic Perspectives in Contemporary Root Canal Preparation and Obturation"
- April 1997 Kuala Lumpur, University of Malaya Faculty of Dentistry, Continuing Dental Education, "Contemporary Views on Endodontic Success, Failure and Revision of Treatment," "Some Contemporary Controversies in Root Canal Obturation," "Advances in Root Canal Preparation Techniques," "Vertical Fractures - A New Slant on a Perplexing Problem"
- April 1997 Singapore, National University of Singapore, "Participation Course in Advanced Root Canal Preparation Techniques"
- Feb 1999 Austin, Texas, Longhorn Dental Associates, "Success in Contemporary Endodontics"
- Feb 1999 Ft. Worth, Texas, Ft. Worth Academy of General Dentistry, "To Treat or Not to Treat – When, Why & How!"

June 1999	Dallas, Texas, Baylor College of Dentistry, “Advanced Principles of Surgical Endodontics – Two-week lecture and Clinical Course for Faculty and Postgraduate Students from Colombia and Argentina
Dec 1999	Killeen, Texas, Ft. Hood Dental Activity - AEGD Program - "Challenges in Contemporary Endodontics"
Mar 2000	St. Paul, Minnesota, University of Minnesota School of Dentistry, “Contemporary Strategies to Achieve Predictable Success in Endodontics”
May 2002	Springfield, Massachusetts, Valley District Dental Society, “Strategies for Success in Contemporary Endodontics”
Feb 2009	Milwaukee, Wisconsin, Marquette University School of Dentistry CE, “The Demands and Dynamics of Endodontics in Daily General Practice”
Jan 2010	Milwaukee, WI, Marquette University School of Dentistry Continuing Dental Education, “Endodontic Challenges in Tooth Retention – Parts I – III”
Dec 2011	San Francisco, California, University of California San Francisco, “Challenges in the Diagnosis and Treatment of Persistent Periradicular Periodontitis”
Jan 2013	Milwaukee, Wisconsin, Marquette University School of Dentistry CE, “The Amalgamation of Contemporary Science & Technology in Endodontics”
Nov 2013	Singapore, Endodontists of Singapore, “The Alpha and Omega of Surgical Endodontics”
Jan 2014	Kansas City, MO, Greater Kansas City Endodontic Society, “Endodontic – Orthodontic Interactions”
April 2014	Melburne, Australia, Australian & New Zealand Academy of Endodontists, “Interactions Between Endodontics & Orthodontics: Treatment Directives and Outcomes Assessments”
Sept 2014	Lancaster, PA, Dentsply 360 Program – “Update on Technological Advances as Applied to Contemporary Root Canal Procedures”

#### 4. Table Clinics

- Sept. 1977 Ocean City, Maryland: MSDA Meeting "Hemisection - Indications and Technique"
- Oct. 1977 Miami, Florida: American Prosthodontic Society, "The Internal Aspects of Root Preparation Prior to Post-Core Fabrication"
- May 1978 Baltimore, Maryland: Baltimore County Dental Society, "Preparation of Endodontically Treated Teeth to Receive a Post-Core Restoration"
- Sept. 1978 Ocean City, Maryland: Maryland State Dental Society, "A Simplified Method for Removing Intraradicular Posts"
- Oct. 1982 Baltimore, Maryland: Maryland State Dental Society, Capsule Clinic -"A Critical Evaluation of the McSpadden Technique"
- Jan. 1988 Dallas, Texas: Dallas Mid-Winter Meeting "Accessory and Lateral Root Canals - Do They Really Matter?"
- Jan. 1989 Dallas, Texas: Dallas Mid-Winter Meeting "Thermoplasticized Gutta-Percha: Key to Success?"
- Nov. 1991 Edinburgh, Scotland, British Endodontic Society Regional Meeting, "Contemporary Perspectives on Thermoplasticized Gutta-Percha"
- May 2012 Dental Product Shopper Online: The challenges and complexities in achieving profound local anesthesia. 1(4):I-XV

### **C. Professional Licensure**

- 1970 - Retired State of Illinois
- 1970 - Present State of Wisconsin
- 1974 North East Regional Dental Boards
- 1974 - Retired Commonwealth of Massachusetts
- 1974 - 75 Temporary, Commonwealth of Virginia
- 1976 – Retired State of Maryland
- 1980 Diplomate, American Board of Endodontics

1981 - Retired            State of Vermont

1982 - Present            State of Texas

## **D. Other Professional Activities**

### **1. Staff or Consultant Appointments**

Consultant - United States Public Health Service Hospital, Baltimore Maryland, 1978-79

Consultant - Graduate Program in Periodontics, Naval Graduate Dental School, National Naval Medical Center, Bethesda, Maryland, 1980 - 81

Staff - University of Maryland Hospital, 1976-82; Chairman, Division of Endodontics, 1977-82

Consultant - Baltimore City Hospitals, Development of General Practice Residency Didactic Program in Endodontics, 1977-82

Consultant - Loch Raven V.A. Hospital, Development of General Practice Residency Didactic Program in Endodontics, 1977-82

Consultant - Ft. Howard V.A. Hospital, Ft. Howard, Maryland, 1978 - 2002

Consultant - John Hopkins University - Division of Oral and Maxillofacial Surgery, Development of General Practice Residency Didactic Program in Endodontics, 1980-83

Consultant - Veterans Administration Central Office Dental Consultant, 1982-92

Visiting Staff in Surgery (Dentistry and Oral Surgery) - Medical Center Hospital of Vermont 1983-2002

Endodontic Consultant, Commission on Dental Accreditation,  
Committee B - Advanced Specialty Education 1985-86, 88-94

Consultant - Commission on Dental Accreditation 1984-94

Site Visits Evaluating Endodontic Programs

Albert Einstein - Philadelphia, PA January 1984

Tufts University - Boston, MA September 1985

University of Louisville - Louisville, KY May 1986

Walter Reed - U.S. Army, Washington, DC June 1986

St. Luke's - Roosevelt Hospital Center, NY, NY, January 1987

University of Iowa - Iowa City, IA February 1989

University of California, Los Angeles, CA March 1989

Tufts University - Boston, MA April 1994

Consultant - Children's Medical Center of Dallas, Dental Department 1994-2002

Courtesy – Medical Staff PHS Indian Health Service Hospital, Browning MT, 2000 – 2005

Consultant – Dentsply Tulsa Dental Specialties – 2005-2016  
Clinical Research Manager 2015

## **2. Editorship**

Editorial Board, Journal of Endodontics, 1977-83, 86-89

Scientific Advisory Panel - Journal of Endodontics, 1983-1985, 89-93  
Associate Editor – Evidence Base Endodontics Special Publications  
Manuscript Reviewer, 1993 – Present  
Associate Editor for Evidence-Based Reviews 2008-2011

Editorial Board, International Endodontic Journal 1980-Present

Assistant Editor - International Endodontic Journal 1995-1998  
Associate Editor – International Endodontic Journal 1999 – Present  
Consultant Editor – International Endodontic Journal 2008-Present

Editorial Board, Journal of the History of Dentistry 1995 – 2012

Associate Editor 2012 – present  
Editor 2013 - present

Editorial Board, Dental Traumatology 2001 – 2010

Editorial Board and Manuscript Reviewer – International Journal of Endodontic Rehabilitation 2014-Present

International Editorial Review Board - Dental News (Beirut, Lebanon)

International Editorial Review Board – Journal of the Baghdad College of Dentistry 2008-Present

Scientific Advisory Panel – Arab Dental Journal



Manuscript Reviewer, William and Wilkins, Co., Baltimore, Md.

Manuscript and Book Reviewer, Journal of Dental Education

Associate Editor in Endodontics, Access Unlimited, Inc., 1980-81

Manuscript Reviewer, W.B. Saunders Co., Philadelphia, PA

Manuscript Reviewer, Yearbook Medical Publishers, Chicago, IL

Manuscript Reviewer, Quintessence International

Manuscript Reviewer, Dental Materials

Manuscript Reviewer, Journal of the American Dental Association

Manuscript Reviewer, Journal of Dental Research

Manuscript Reviewer, European Journal of Oral Sciences

Manuscript Reviewer, Odontology (Japan)

Manuscript Reviewer, American Dental Journal

Manuscript Reviewer, Journal of Dentistry

Foreign Correspondent – Revue de la Faculté de Médecine Dentaire – Université Saint-Joseph (ACES - Actualités Cliniques et Scientifiques)

International Endodontic Editorial Board - Dental Tribune International GmbH

Manuscript Reviewer, Hong Kong Dental Journal

Manuscript Reviewer, International Journal of Dentistry

Manuscript Reviewer, Microscopy & Microanalysis

Manuscript Reviewer, BioMed Research International

Manuscript Reviewer, Oral Diseases

Manuscript Reviewer, Scanning – Journal of Scanning Microscopies

Manuscript Reviewer, Anatomic Research International

International Editorial Board – IBIMA Publishing  
Journal of Dentistry Research

Manuscript Reviewer, International Journal of Dental Science and Research

### **3. Miscellaneous**

Guest Scientist - Naval Medical Research Institute, 1977-79

Alumni Admissions representative for Marquette University in the Greater Baltimore Area, 1977-78

Alumni Admissions representative for Marquette University in the Greater Dallas/Fort Worth Area 1991

Marquette University Dental Alumni Board of Directors, 1986-89, 89-93

Secretary 1990-91

Vice President/President-Elect 1991-92

President 1992-93

Immediate Past President 1993-94

External Assessor for Academic Appointments at the University of Malaya, Faculty of Dentistry, Appointed for years 1991-92, 93-94, 95-96, 96-98, 99-01, 02-05.

External Examiner for Graduate Theses – University of Malaya Faculty of Dentistry 2002

Dean's Associates - Marquette University School of Dentistry 1994 – Present

International External Assessor for the Instituto de los Seguros Sociales Y Asociación Colombiana de Facultades de Odontología – 1998, Bogotá, Colombia

External Examiner in Endodontics for the Advanced Diploma Examination – University of Hong Kong 2001-2002

External Examiner for PhD Thesis – Nitte University, Mangalore, India 2014

## **VI. SERVICE ACTIVITIES AND COMMITTEE ASSIGNMENTS**

### **A. College or School**

Co-Chairman, Continuing Education Program, Fort Lee, Virginia, 1973-74

Committees at Virginia Commonwealth University, Medical College of Virginia,  
Richmond, Virginia

1975-76 Faculty Private Practice Committee

1975-76 Senior Class Advancement Committee

Committees at Baltimore College of Dental Surgery, Dental School, Univeristy of  
Maryland at Baltimore

1976-82 Clinical Science Council; Subcommittee on Peer Review

1976 Faculty Social Affairs Committee

1976 Chairman, Search Committee for the Chairperson of the Department of  
Dental Hygiene

1976-78 Instrument and Equipment Committee

1976-81 Subcommittee on Advanced Specialty Education

1976-79 Admissions Committee

1976-81 Subcommittee on Post-Graduate Admissions

1976-81 Curriculum Instructional Procedures, and Programs Committee

1976-82 Executive Committee

1976-82 Faculty Council

1976-82 Second Year Advancement Committee

1976-82 Third Year Advancement Committee

1976-82 Fourth Year Advancement Committee

1977-78 Board of Directors, Faculty Dental Service Plan, P.A., Intramural Group  
Practice, BCDS, Dental School

1978 President and Chairman of the Board, Intramural Group Practice

1977-78 Ad hoc Committee on Pain and Anxiety

- 1977-78      Ad hoc Committee to Search for the Chairman of the Departments of Pediatric Dentistry and Orthodontics  
Chairman, Pediatric Dentistry Subcommittee
- 1977-79      Chairman, Committee of Nine
- 1977-79      Ad hoc Senior Awards Nominating Committee
- 1978-82      Committee on Research
- 1978          Omicron Kappa Upsilon Nominating Committee
- 1977-79      Chairman, Omicron Kappa Upsilon Membership Committee
- 1978-79      Ad hoc Committee to review plan of Faculty Dental Service
- 1979          Department of Dentistry, University of Maryland Hospital, Advisory Committee
- 1980          Graduate Oversight Committee for M.S. in Oral Biology Program
- 1980-81      Chairman, Search Committee for the Chairperson of the Department of Microbiology
- 1980-83      Committee on Appointments, Promotions, Tenure, and Professional Affairs, Vice-Chairman 1980-81

Committees at the Baylor College of Dentistry, Dallas, Texas

- 1982-92      Administrative Council
- 1982-92      Clinical Advisory Committee
- 1982-92      Graduate Council
- 1992-Present      Advanced Education Committee
- 1982-92      Instrument Committee
- 1983-90      Graduate Curriculum Committee  
Chairman 1986-90
- 1984          Search Committee for Chairperson of Oral and Maxillofacial Surgery

1984	<u>Ad hoc</u> Committee on Comprehension Care and Clinical Scheduling
1984-89	Promotion and Tenure Review Committee
1994-95	Vice Chairman 1986-87 Chairman 1987-88, 88-89
1985	<u>Ad hoc</u> Committee to Review Continuing Education Policies
1985-88	Undergraduate Curriculum Committee
1985-86	<u>Ad hoc</u> Steering Committee to Develop General Dentistry Program
1986-87	<u>Ad hoc</u> Committee on Research
1986	<u>Ad hoc</u> Committee on Patient Referral Policies
1986-87	Chairman, Search Committee for Chairperson of Orthodontics
1987-89	Chairman, Subcommittee for Preparation of Curriculum Self-Study Review - Curriculum Management
1988-89	Chairman, <u>Ad hoc</u> Committee to Review Dress and Grooming Guidelines
1990-93	Continuing Education Committee
1990-93	Graduate Faculty Credentials Committee
1991-93	<u>Ad hoc</u> Committee to Review Clinical Research Chairperson 92
1992	Search Committee for Chair of Biomedical Sciences
1996-97	Chairman, Search Committee for the Chairperson of Orthodontics
1996-97	Research Subcommittee - Accreditation Review and Document Preparation - BCD
1996-97	Advanced Education Subcommittee - Accreditation Review and Document Preparation - BCD
1996-97	Competency Document Committee
1996-97	Campus Strategic Planning Process Committee

Committees at Baylor University, Waco, Texas

1986-89            Graduate Curriculum Committee  
                         Secretary, 1988-89

Committees at Texas A & M University, College Station, Texas

1996 - 97            Task Force - Analysis of System Health Sciences Center

Committees at Dentsply Tulsa Dental

2004 – present      Product Planning Committee  
2004 – 06            Opinion Leaders Scientific Panel  
2010                  Opinion Leaders Scientific Panel

**B.      Community**

"Dental Care" Presentation to Bay Path Junior College Nursery School, Longmeadow, Massachusetts, National Dental Health Care Week, February 1975

"Dental Care" Presentation to Jack and Jill Nursery School, Richmond, Virginia, National Dental Health Care Week, February, 1976

Mens Club - Church of the Nativity Parish, Timonium, Maryland 1977-Present

"Dental Care" Presentation to Havenwood Day Nursery, Timonium Maryland, National Dental Health Care Week, February, 1978

"Dental Care" Presentation to 1st grade class, Timonium Elementary School, Timonium, Maryland, National Dental Health Care Week, February, 1978

Lector and Eucharistic Minister, Church of the Nativity Parish, Timonium, Maryland

"Dental Care" Presentation to Kindergarten and 2nd grade classes, Timonium, Elementary School, Timonium, Maryland, November, 1978

Adult Education Committee, Church of the Nativity Parish, Timonium, Maryland, 1980-81

Parish Council Church of the Nativity Parish, Timonium, Maryland, 1980-81

Vice-President, Bryan Place Homeowners Association 1988

Finance Committee, Cathedral Santuario de Guadalupe Parish 1989-92

"Dental Care" Presentation to the Lelia P. Cowart School, Dallas, Texas, May 1988

Marquette University National Club of Dallas Fort Worth  
President 1990-92

Marquette University National Alumni Association  
Regional Director 1992-94  
Chair, Spirit of Ignatius Committee 1993-94  
Executive Committee 1993-94

Marquette University, President's Council, 1989-Present  
Executive Committee 1991  
Texas Leadership Gift Committee 1993

Eucharistic Minister, Holy Trinity Catholic Church, Dallas Texas 1992-present

2000 Capital Campaign Committee - Holy Trinity Catholic Church, Dallas, Texas

"Dental Care" Presentation to the Mary Immaculate Grade School, Farmers Branch, Texas, April 2002

2002-2003 Catholic Community Appeal Committee - Chair – Holy Trinity Catholic Parish, Dallas, Texas

2009 – Career Day presentation at Bowie Elementary School, Richardson, Texas

2010 Universal Academy, Coppell, Texas – Children's Dental Health Week, Presentation to students on dental care

## **VII. AWARDS AND HONORS**

1970 American Association of Endodontists Award, "Proficiency in Endodontics as a Dental Student", Marquette University, School of Dentistry

1970 "Staff Appreciation Award", presented by clerical and technical staff of the Dental Clinic, Marquette University, School of Dentistry

1970 Omicron Kappa Upsilon National Dental Honorary Fraternity  
Secretary/Treasurer, Phi Chapter 1979-80, Budget & Finance Committee,

Omicron Chapter – 1983 –

- Elected to Life Membership April 17, 2012

- 1970 Alpha Sigma Nu National Jesuit Honorary Fraternity
- 1979 Who's Who in World Medicine
- 1982 Fellow, Royal Society of Medicine
- 1984 Fellow, American College of Dentists (FACD)
- 1985 Fellow, International College of Dentists (FICD) – Life Membership 2011
- 1985 Thomas P. Hinman Medallion
- 1987 Honorary Membership - Endodontic Society of South Africa
- 1992 Honorary Membership - Dental Forum, Milwaukee Wisconsin
- 1993 American Dental Association Council on ADA Sessions and International Relations - Certificate of Recognition for Volunteer Service in a Foreign Country
- 1993 Honorary Membership - Sociedad de Endodoncia Bogotá
- 1994 Honorary Membership - Ordre Du Corps Dentaire Du Liban (Lebanese Dental Association)
- 1996 Department of Veteran Affairs, Certificate of Appreciation, VA Maryland Health Care System, Fort Howard Division
- 1996 Honorary Membership - Dodecanase Dental Society (Rhodes, Greece)
- 1997 National University of Singapore/Singapore Dental Association Distinguished Lecturer
- 1998 Honorary Membership - FUNDECO – Fundación de Educación Continua en Odontología, San José, Costa Rica
- 1999 Honorary Doctorate Degree – University of Athens, Athens, Greece
- 1999 Commanders Service & Achievement Award, USArmy Dental, Ft. Hood Texas



- 2000 Distinguished Dental Alumnus of the Year - 2000, Marquette University School of Dentistry, Milwaukee, WI
- 2001 Honorary Member – Endodontic Society of Thailand
- 2001 Certificate of Appreciate & Recognition, Canadian Academy of Endodontics
- 2002 Award of Distinction for Continuing Education Activities - Academy of Dentistry International
- 2003 Fellow, Academy of Dentistry International
- 2009 Hayden-Harris Award – American Academy of the History of Dentistry
- 2010 Alumni Merit Award for distinguished professional achievement in the field of health sciences and education – Marquette University High School
- 2011 I.B. Bender Lifetime Educator Award, American Association of Endodontists

## **VIII. PUBLICATIONS, PATENTS, AND OTHER CREATIVE EFFORTS**

### **A. Publications - Texts/Symposiums**

**Gutmann JL**, ed. Proceedings - Workshop on Accreditation for Advanced Specialty Education in Endodontics. American Association of Endodontists, 1981.

**Gutmann JL**, Harrison JW (editors) Proceedings - International Conference on Oral Trauma. Chicago: American Association of Endodontists Endowment and Memorial Foundation, 1986.

**Gutmann JL**, Dumsha TC, Lovdahl PE. Problem Solving in Endodontics: Prevention, Identification, and Management. Chicago: Yearbook Medical Publishing, 1988.

**Gutmann JL**, Harrison JW. Surgical Endodontics. Boston: Blackwell Scientific Publishing 1991. Reprinted by Ishiyaku EuroAmerica Inc., St. Louis 1994. Reprinted by Medico Dental Media International, Inc., 1998.

**Gutmann JL**, Dumsha TC, Lovdahl PE: Problemlösungen in der Endodontie. Munchen: Carl Hanser Verlag 1991.

**Gutmann JL**, Dumsha TC, Lovdahl PE, Hovland EJ. Problem Solving in Endodontics: Prevention, Identification and Management, 2<sup>nd</sup> Edition, St. Louis: Mosby-Year Book Inc. 1992. Reprinted in Korean 1996.

Hovland EJ, **Gutmann JL**, Dumsha TC (editors) Traumatic Injuries to Teeth, Dental Clinics of North America, Philadelphia: WB Saunders Co., January 1995.

**Gutmann JL**, Dumsha TC, Lovdahl PE, Hovland EJ. Problem Solving in Endodontics: Prevention, Identification and Management, 3<sup>rd</sup> Edition, St. Louis: Mosby-Year Book Inc., 1997. Reprinted in Portuguese 1999. Reprinted in Indonesian 1999. Reprinted in Korean 2000. Reprinted in Mandarin Chinese 2001.

Dumsha TC, **Gutmann JL**. Clinician's Endodontic Handbook, Lexi-Comp Inc., Hudson, Ohio, 2000.

Dumsha TC, **Gutmann JL**. Clinician's Endodontic Handbook, 2<sup>nd</sup> Edition, Lexi-Comp Inc., Hudson, Ohio, 2005.

**Gutmann JL**. (Invited Editor) Endodontic Topics – Endodontic Apical Surgery: A Delineation of Contemporary Concepts. Blackwell Munksgaard, 11:1-262, 2005.

**Gutmann JL**, Dumsha TC, Lovdahl PE. Problem Solving in Endodontics: Prevention, Identification and Management, 4<sup>th</sup> Edition, St. Louis: Mosby-Elsevier 2006. Reprinted in Russian 2008; Reprinted in Cantonese Chinese 2010

Dumsha TC, **Gutmann JL**. Clinician's Endodontic Handbook, 3<sup>rd</sup> Edition, Lexi-Comp Inc., Hudson, Ohio, 2009.

**Gutmann JL**, Solomon E. (Associate Editors/Reviewers) Special Issue – Journal of Endodontics – Evidence-Based Endodontic Reviews 35(8):1093-1162, 2009.

**Gutmann JL**, Lovdahl PE. Problem Solving in Endodontics: Prevention, Identification and Management, 5<sup>th</sup> Edition, St. Louis: Mosby-Elsevier 2011.

**Gutmann JL**. History of the AAE from 1990-2011. [http://www.aae.org/About\\_AAE/History\\_Mission\\_Vision\\_and\\_Values/Members\\_Only/Specialty\\_and\\_Association\\_Histories.aspx](http://www.aae.org/About_AAE/History_Mission_Vision_and_Values/Members_Only/Specialty_and_Association_Histories.aspx)

## **B. Publications - Chapters**

**Gutmann JL**. Management of accessory canals. In: Hurt Wm, Ed. Current Therapy in Dentistry. Chap. 12. St. Louis: CV Mosby, 1980.

**Gutmann JL**. Endodontics. In: Wells JE, Reed MW, Coury VM, eds. Review of Basic Sciences and Clinical Dentistry. Chap. 9, Vol. II. Hagerstown: Harper and Row, 1980

**Gutmann JL.** Pedodontic endodontics on young permanent teeth. In: Stewart RW, Wei SHY, Barber TK, Troutmann KC, eds. *Pediatric Dentistry: Scientific Foundations in Current Practice*. Chap. 62, Part 2: 926-941. St. Louis: CV Mosby, 1981.

**Gutmann JL,** Milas VB. History of endodontics. In: Cohen S, Burns R. eds. *Pathways of the Pulp*. 3<sup>rd</sup> ed. Chap. 25. St. Louis: CV Mosby, 1984.

**Gutmann JL.** Dental pulp: clinical considerations. In: Provenza DV, Seibel W, eds. *Oral Histology: Inheritance and Development*. 307-313. Philadelphia: Lea & Febiger, 1986.

**Gutmann JL.** Surgical procedures in endodontic practice. In: Levine N. ed. *Current Treatment in Dental Practice*. Philadelphia: W.B. Saunders, 1986; 194-202.

**Gutmann JL.** Endodontic historical perspective. In: Cohen S, Burns R., eds. *Pathways of the Pulp*. 4<sup>th</sup> ed. Chap. 24. St. Louis: CV Mosby, 1987.

**Gutmann JL,** Dumsha TC. Cleaning and shaping of the root canal system. In: Cohen S, Burns R, eds. *Pathways of the Pulp*. 4<sup>th</sup> ed. Chap 7. St. Louis: CV Mosby,

**Gutmann JL.** Future of endodontics. In: Parameswaraw A, Rajan BP, eds. *Current Trends in Endodontology*. 181-190. New Delhi: Interprint, 1988.

**Gutmann JL.** Surgical endodontics. In: Pitt Ford, TR ed. *Harty's Endodontics in Clinical Practice*. 4<sup>th</sup> ed. London: Wright, 1997.

**Gutmann JL.** Bildmaterial zu den Kapiteln und Traumatologie beigesteuert hat. In: Beer R & Baumann MA (eds) *Farbatlanten der Zahnmedizin - Endodontologie*. Stuttgart: Georg Thieme Verlag 1997

**Gutmann JL.** Iconografico all stesura dei capitoli sulla otturazione canalre e sulla traumatologia. In: Beer R Baumann MA & Kim S (eds) *Atlanti di odontostomatologia – Endodonzia*. Milano: Masson 1997.

**Gutmann JL,** Lovdahl PE. Avoiding common endodontic problems. In *Clinical Dentistry*, Vol 4 Chapter 6. Mosby-Year Book Inc. 1997.

**Gutmann JL,** Witherspoon DE. Obturation of the Cleaned and Shaped Root Canal System. In: Cohen S, Burns R., eds. *Pathways of the Pulp*. 7<sup>th</sup> ed. St. Louis: Mosby - Year Book Inc, Chapter 9:258-361, 1998.

**Gutmann JL.** Las imágenes para los capítulos de obturación de conductos radiculares y traumatología. In: Beer R Baumann MA & Kim S (eds), *Atlas de Endodonzia*, Barcelona, Masson 1998.

**Gutmann JL.** Root canal preparation with rotary instruments: Profile® - ABCs for the new users. Chapter 6. Editor – S.We, Dentsply Asia, 2000.

**Gutmann JL.** Obturation of the properly prepared root canal system with ThermoFil® Plus. Chapter 9. Editor – S.We, Dentsply Asia, 2000.

**Gutmann JL, Witherspoon DE.** Obturation of the cleaned and shaped root canal system. In: Cohen S, Burns R., eds. Pathways of the Pulp. 8<sup>th</sup> ed. St. Louis: Mosby -Year Book, Inc. Chapter 9:293-364, 2002.

**Gutmann J.** The Crown-Down Technique: The Standard of Excellence for Root Canal Cleaning and Shaping in Contemporary Endodontics. In *Contemporary Endodontics* 2002, Editor – S.We, Dentsply Asia, Chapter 2, pp. 7-10, 2002.

**Gutmann J.** PPS – A Dynamic and Creative Integration of the ProTaper™ and ProFile® Systems. In *Contemporary Endodontics* 2002, Editor – S.We, Dentsply Asia, Chapter 4, pp. 18-20, 2002.

Ingle JI, Newton CW, West JD, **Gutmann JL**, Glickman GN, Korzon BH, Martin H. Obturation of the radicular space. In Ingle JI, Bakland LK eds. Endodontics. 5<sup>th</sup> ed. Hamilton: BC Decker Inc. Chapter 11: 571-668, 2002.

Regan JD, **Gutmann JL.** Preparation of the Root Canal System. In: Pitt Ford, TR ed. Harty's Endodontics in Clinical Practice. 5<sup>th</sup> ed. Edinburgh: Wright, Chapter 6: 77-94:2004.

**Gutmann JL,** Regan JD. Surgical Endodontics. In: Pitt Ford, TR ed. Harty's Endodontics in Clinical Practice. 5<sup>th</sup> ed. Edinburgh: Wright, Chapter 9: 143-182, 2004.

**Gutmann JL,** Bing F. Comprehensive Management of C-Shaped Root Canal Systems. In *Contemporary Endodontics* 2005, Editor – S.We, Dentsply Asia, Chapter 2, pp. 4-5, 2005.

Johnson WT, **Gutmann JL.** Obturation of the cleaned and shaped root canal system. In: Cohen S, Hargreaves KM., eds. Pathways of the Pulp. 9<sup>th</sup> ed. St. Louis: Mosby-Elsevier Chapter 9:358-399, 2006.

**Gutmann JL.** History of Endodontics. In Ingle J, Bakland LK, Baumgartner, JC, (editors), Ingle's Endodontic's 6, PMPH-USA, Chapter 2, 2008.

**Gutmann JL,** Regan JD. Surgical Endodontics. In: Pitt Ford, TR ed. Harty's Endodontics in Clinical Practice. 6<sup>th</sup> ed. Edinburgh: Churchill Livingstone - Elsevier Chapter 10 (pp. 159-195), 2010.

**Gutmann JL.** Problem Solving in Endodontic Access Openings, Cleaning, Shaping and Root Canal Obturation. In Kolhli A, Textbook of Endodontics, New Delhi, Chapter 25, pp374-414, 2010.

**Gutmann JL.** A 20-year history of the AAE. American Association of Endodontists, Chicago, IL., 2011

**Gutmann JL,** Manjarres L. V. Endodontic Challenges for the Orthodontic Patient. In Engle JI, Rotstein I (editors), PMPH-USA, (In preparation 2014-15)

### **C. Publications - Scientific, Clinical, and Educational**

**Gutmann JL,** Tillman JL. Rhabdomyosarcoma of the maxillary antrum: a case report. J Endod 2: 250-252, 1976.

**Gutmann JL.** Antibiotic use in endodontic therapy. VA Dent J, 53: 6-8, 1976.

Hovland EJ, **Gutmann JL.** Atraumatic stabilization for traumatized teeth. J Endod 2: 390-392, 1976.

**Gutmann JL.** Preparation of endodontically treated teeth to receive post-core restoration. J Prosthet Dent 38: 413-419, 1977.

Allen A, **Gutmann JL.** Internal resorption following vital root resection: a case report. J Endod 3: 438-440, 1977.

**Gutmann JL.** Prevalence, location, and patency of accessory canals in the furcation region of permanent molars. J Periodontol 49: 21-26, 1978.

**Gutmann JL.** Endodontic historical perspective: Inferior molar pulps. J Endod 4:5, 1978.

**Gutmann JL.** Endodontic historical perspective: immediate root-filling in the late 1980's. J Endod 4:165-166, 1978.

**Gutmann JL.** Endodontics historical perspective: the Herbst method of treating pulps. J Endod 4: (inside front cover), 1978.

**Gutmann JL.** Endodontic historical perspective: A critical response to the Herbst method of treating pulps. J Endod 4: 133-134, 1978.

Hovland EJ, **Gutmann JL.** Current endodontic therapy provided by the Maryland general dentists. J Md State Dent Soc 21: 14-20, 1978.

Hovland EJ, **Gutmann JL**. Attitudes towards undergraduate and continuing education curriculums in endodontics: A survey of Maryland dentists. *J Md State Dent Soc* 21: 84-88, 1978.

**Gutmann JL**, Hovland EJ. A critical reappraisal of the routine use of periradicular surgery in conjunction with endodontics. *J Dist Col Dent Soc Summer*, 1978, pp. 17-21.

**Gutmann JL**. Endodontic historical perspective: radical treatment of alveolar abscess. *J Endod* 4: 230-231, 1978.

Warren SR, **Gutmann JL**. A simplified method for removing intraradicular posts. *J Prosthet Dent* 4: 353-356, 1979.

**Gutmann JL**. Endodontic historical perspective: Vapiform therapy. *J Endod* 5:40-41, 1979.

**Gutmann JL**. Pulpotomy on young permanent teeth: its status as a definitive procedure, *Alpha Omega Alumni Guide, ZETA MU* 33(3): 5, 1979.

**Gutmann JL**. Can root canal filling with silver points provide an effective root canal seal? A perspective. *J Dist Col Dent Soc Winter*, 1979, p. 35-36.

Lovdahl PE, **Gutmann JL**. Periodontal and restorative considerations prior to endodontic therapy. *Gen Dent* 28: 38-45, 1980.

Hovland EJ, **Gutmann JL**. How is a mail survey questionnaire used in research? *Dent Hyg* 54: 410, 1980.

Firestein JB, Mackler BF, Levy B, **Gutmann JL**, Beckerman T, Arafat A. Histologic assessment of pulp extirpation methods. *J Baltimore Coll Dent Surg* 34(2): 4-9, 1981.

**Gutmann JL**, Heaton JF. Management of the open (immature) apex. I. Vital teeth, *Int Endod J* 14(3): 166-172, 1981.

**Gutmann JL**, Heaton JF. Management of the open (immature) apex. II. Nonvital teeth, *Int Endod J* 14(3): 173-178, 1981.

**Gutmann JL**. A clinical repair - predictive/treatment approach to pulpal diagnosis. *BCDS Forum* 2(2): 9-10, 1982.

**Gutmann JL**. Endodontic historical perspective: reflections on an endodontic pioneer - Dr. James Roy Blayney 1889-1890, *J Endod* 7: 570-573, 1981.

Jeffries SR, **Gutmann JL**. A collagen-alkaline phosphatase conjugate membrane: enzymatic kinetics and in-vitro stability. *Biotech & Bioeng* 24: 1327-1340, 1982.

- Hovland EJ, Dumsha TC, **Gutmann JL**. Orthodontic movement a horizontal root fractured tooth. *Br J Orthod* 10: 32-33, 1983.
- Sterling RA, Clayman EB, Falkler WA, **Gutmann JL**. Immunologic studies of Endodontic disease: measurement by the ELISA technique of antibody reactive with *Fusobacterium nucleatum* in the serum of endodontic patients. *J Baltimore Coll Dent Surg* 36: 13-18, 1983.
- Gutmann JL**. Prevention and management of endodontic procedural errors. *NZ Soc Endod Newsl* 23: 15-36, 1983.
- Gutmann JL**. Principles of endodontic surgery for the general practitioner. *Dent Clin North Am* 28: 895-908, 1984.
- Chivian N, Cunningham W, Gallant G, **Gutmann J**, Heuer M. Emphasis: changing concepts in endodontic therapy. *J Amer Dent Assoc* 110: 470-480, 1985.
- Gutmann JL**, Harrison JW. Posterior endodontic surgery: anatomical considerations and clinical techniques. *Int Endod J* 18: 8-34, 1985.
- Cohen T, **Gutmann JL**, Wagner M. An in-vitro of the sealing properties of calciobiotic root canal sealer. *Int Endod J* 18: 172-178, 1985.
- Dumsha TC, **Gutmann JL**. Clinical techniques for the placement of calcium hydroxide. *Comp Cont Educ Dent* 6: 482-489, 1985.
- Dumsha TC, **Gutmann JL**. Clinical guidelines for intentional replantation. *Comp Cont Educ Dent* 6: 604-610, 1985.
- Chelm D, **Gutmann JL**. Focal myositis mimicking a periradicular lesion. *J Endod* 12: 119-123, 1986.
- Glickman GN, **Gutmann JL**. Root canal obturation with gutta-percha: a review of materials and techniques. *J Baylor Coll Dent* 3:3-7, 1986.
- Dumsha TC, **Gutmann JL**. The status and direction of endodontic research for the 80's. *J Endod* 12:174-176, 1986.
- Gutmann JL**. Gutta-Percha: Alpha vs. Beta. *Dent Today* 5(4):40-42, 1986.
- Rakusin H, Lemmer J, **Gutmann JL**. Periodontal ligament injection: clinical effects on tooth and periodontium of young adults. *Int Endod J* 19: 230-235, 1986.

Glickman GN, Ruiz EE, Creel DC, **Gutmann JL**. A model for teaching and demonstrating incision and drainage. *J Endod* 12:425-427, 1986.

**Gutmann JL**. Considerations in endodontic access opening through crowned teeth. *Communicator* 16(3): 13-14, 1987.

Dumsha TC, **Gutmann JL**, Intentional replantation. Clinical guidelines. *Oral Health* 76(12):15-17, 1987.

**Gutmann JL**, Creel DC, Bowles WH. Evaluation of heat transfer during root canal obturation with thermoplasticized gutta-percha. Part I. In-vitro heat levels during extrusion. *J Endod* 13:378-383, 1987.

**Gutmann JL**, Rakusin H, Powe R, Bowles WH. Evaluation of heat transfer during root canal obturation with thermoplasticized gutta-percha. Part II. In-vivo response to heat levels generated. *J Endod* 13: 441-448, 1987.

Ruiz-Hubbard EE, **Gutmann JL**, Wagner MJ. A quantitative assessment of canal debris forced periapically during root canal instrumentation using two different techniques. *J Endod* 13:554-558, 1987.

**Gutmann JL**, Rakusin H. Perspectives on root canal obturation with thermoplasticized gutta-percha. *Int Endod J* 20:261-270, 1987.

Winford TE, **Gutmann JL**, Henry CA. Microbiological evaluation of the Unitek OBtura heated gutta-percha delivery system. *J Endod* 13:531-534, 1987.

**Gutmann JL**, Dumsha TC, Osetek EM. Diagnosis and management of endodontic emergencies. *AGD Update* 7(8): 1-9, 1988.

Rakusin H, Jurosky KA, **Gutmann JL**. Autogenous transplantation: a five-year follow-up. *Int Endod J* 21:327-332, 1988.

**Gutmann JL**, Rakusin H. Perspectives on root canal obturation. Clinical usage of thermoplasticized gutta-percha. *Oral Health* 78:13-17, 1988.

**Gutmann JL**. Cleaning essential to post-root canal healing. *Dent Today* 8(2):30-32, 1989.

Schweitzer JL, **Gutmann JL**, Bliss RQ. Odontiatrogenic tooth fracture. *Int Endod J* 22: 64-74, 1989.

**Gutmann JL**. Retreatodontics resolves case failures. *Dent* 67:17,20, 1989.

**Gutmann JL**. When to use posts. *Dent* 67: 24, 32-33, 40, 1989.



Glickman GN, **Gutmann JL**. Management of traumatic tooth injuries: an overview. *Dentistry* 89 9(2):24-28, 1989.

Glickman G, Winford T, **Gutmann JL**. Microbiological evaluation of the Ultrafil heated gutta-percha delivery system. *Int Endod J* 23:148-155, 1990.

**Gutmann JL**, Current status and future projections for thermoplasticized gutta-percha. *Endod Update* 5(1):2, 1990.

Wu, M-K, Henry CA, **Gutmann JL**. Cidal effects of human neutrophils and sera on selected endodontic pathogenic bacteria in an anaerobic environment. *Int Endod J* 23: 189-195, 1990.

Belk CE, **Gutmann JL**. Perspectives, controversies and directives on pulpal-periodontal relationships. *Canad Dent J* 56:1013-1017, 1990.

**Gutmann JL**, Contemporary perspectives on root-end filling materials in surgical endodontics. *Aust Endod Newsl* 16(1):15-17, 1990.

**Gutmann JL**, Fava LRG. Perspectives on periradicular healing using Sealapex: case report. *Int Endod J* 24:135-138, 1991.

Stamos D, **Gutmann JL**. Revisiting the post puller. *J Endod* 17:466-468, 1991.

**Gutmann JL**. Endodontic Educators – Endodontic Departments: Has the death knell sounded? *Communiqué* 9:8-10, 1991.

**Gutmann JL**. The dentin-root complex. Anatomic and biologic considerations in restoring endodontically treated teeth. *J Prosthet Dent* 67:458-467, 1992.

**Gutmann JL**. Clinical, radiographic and histologic perspectives on success and failure in endodontics. *Dent Clin North Am* 36:379-392, 1992.

Glickman GN, **Gutmann JL**. Contemporary perspectives on canal obturation. *Dent Clin North Am* 36:327-342, 1992.

**Gutmann JL**: Endodontic emergency treatment. *J Calif Dent Inst Contin Educ* 42:31-48, 1992.

**Gutmann JL**, Fava LRG. Periradicular healing and apical closure of a non-vital tooth in the presence of bacterial contamination. *Int Endod J* 25:307-311, 1992.

**Gutmann JL**. Biological and biomechanical perspectives on dentine and root structure prior to restoring endodontically treated teeth.[Considerazioni biologiche e

biomeccaniche sulla dentina e sulla struttura della radice prima della ricostruzione de denti trattati endodonticamente] Gior Ital Endod 6:172-184, 1992.

**Gutmann JL.** Expanding the frontiers of endodontics - Can dentistry meet the challenge? Dent Today 12(2):40-42, 12(3):45-47, 1993.

**Gutmann JL.** Adaptation of thermoplasticized gutta-percha in the absence of the dentinal smear layer. Int Endod J 26:87-92, 1993.

**Gutmann JL.** The importance of differential diagnostic evaluation in endodontics - a case report. Endodontie 3(1):39-42, 1993.

**Gutmann JL,** Saunders WP, Saunders EM, Nguyen L: An assessment of the plastic Thermafil obturation technique. Part I. Radiographic evaluation of adaptation and placement. Int Endod J 26:173-178, 1993.

**Gutmann JL,** Saunders WP, Saunders EM, Nguyen L: An assessment of the plastic Thermafil obturation technique. Part II. Material adaptation and sealability. Int Endod J 26:179-183, 1993

Saunders WP, Saunders EM, **Gutmann JL,** Gutmann, ML: An assessment of the plastic Thermafil obturation technique. Part III. Post space preparation. Int Endod J 26:184-189, 1993.

Everett-Gutmann M, Marker VA, **Gutmann JL.** A clinical evaluation of air-powder polishing on restorative materials. Am J Dent 6:99-102, 1993.

Stamos DE, **Gutmann JL:** Survey of endodontic retreatment methods used to remove intraradicular posts. J Endod 19:366-369, 1993

**Gutmann JL.** Challenges to the future of endodontics. [Una sfida al futuro dell'endodontizia] Gior Ital Endod 7:60-68, 1993.

**Gutmann JL.** Pitt Ford TR. Management of the resected root end: A Clinical Review. Int Endod J 26:273-283, 1993.

**Gutmann JL.** Problems attaining local anesthesia with endodontic emergencies. Anesth Pain Control Dent 2:133-139, 1993.

**Gutmann JL.** Flexibility in canal instrumentation - a must! Endo Access 2(2):4-5, 1993.

**Gutmann JL.** Parameters of achieving quality anesthesia and hemostasis in surgical endodontics. Anesth Pain Control Dent 2:223-226, 1993.

**Gutmann JL.** Lateral condensation - guidelines for a consistent standard of care. *Endo Access* 3(1):3-4, 1994.

**Gutmann JL.** Future research directions in pulpal biology, endodontic materials and endodontic techniques. *Annals Dent - University of Malaya* 1:10-15, 1994.

Maalouf E, **Gutmann JL:** A biologic rationale for the nonsurgical management of periradicular lesions. *Int Endod J* 27:154-162, 1994. Reprinted in the *Lebanese Dental* 33(2):41-51, 1994

**Gutmann JL,** Battrum DE. Challenges in retreatment of Thermafil obturated root canals. *Lebanese Dent J* 33(2):57-66, 1994.

**Gutmann JL,** Rakusin H. Endodontic and restorative management of incompletely fractured molar teeth. *Int Endod J* 27:343-348, 1994.

**Gutmann JL,** Saunders WP, Nguyen L, Guo IY, Saunders EM: Ultrasonic root-end preparation: Part I. SEM analysis *Int Endod J* 27:318-324, 1994.

Saunders WP, Saunders EM, **Gutmann JL:** Ultrasonic root-end preparation: Part II. Microleakage of EBA Root-End Fillings *Int Endod J* 27:325-329, 1994.

Meyers JP, **Gutmann JL.** Histological healing following surgical endodontics and its implications in case assessment: a case report. *Int Endod J* 27:339-342, 1994.

Battrum DE, **Gutmann JL.** Comprehensive endodontics for special needs patients: A case report. *Univ Toronto Dental J* 8(1):7-9, 1994.

**Gutmann JL.** Update on endodontics: an exclusive interview with James L. Gutmann, DDS [interview by Phillip Bonner]. *Dent Today* 13(5):54, 56-57, 1994.

**Gutmann JL,** Gutmann MSE. Cause, incidence and prevention of trauma to teeth. *Dent Clin North Am* 39:1-13, 1995.

Lloyd A, Thompson J, **Gutmann JL,** Dummer PMH. Evaluation of the sealability of the Trifecta™ technique in the presence and absence of a smear layer. *Int Endod J* 28:35-40, 1995.

**Gutmann JL,** Leonard JE. Problem solving in endodontic working length determination. *Comp Contin Educ Dent* 16:288-304, 1995.

Stamos DE, **Gutmann JL,** Gettleman, BH. In-vivo evaluation of root canal sealer placement and distribution. *J Endod* 21:177-179, 1995.

Battrum DE, **Gutmann JL**. Implications, prevention and management of subcutaneous emphysema during endodontic treatment. *Endod Dent Traumatol* 11:109-114, 1995.

Leonard JE, **Gutmann JL**. Multidisciplinary etiologies in root resection failure: A case report. *Int Endod J* 28:137-140, 1995.

Roda RS, **Gutmann JL**. Reliability of apical dye sealability studies with and without vacuum removal of air inclusions. *Int Endod J* 28:154-162, 1995.

Ida RD, **Gutmann JL**. The importance of anatomic variables in endodontic treatment outcomes: a case report. *Endod Dent Traumatol* 11:199-203, 1995.

Rusch-Behrend GD, **Gutmann JL**. Management of diffuse tissue argyria subsequent to endodontic therapy - report of a case. *Quintessence Int* 26:553-557, 1995.

Caton E, **Gutmann JL**. Modern times, ancient healing. *BUMC Proceedings* 9(1):25-32, 1996.

**Gutmann JL**, Frazier LW Jr., Baron B. Plasma catecholamine and haemodynamic responses to surgical endodontic anaesthetic protocols. *Int Endod J* 29:37-42, 1996.

Battrum DE, **Gutmann JL**. Efficacy of Ketorolac in the management of pain associated with root canal treatment. *Can Dent J* 62:36-42, 1996.

Leonard JE, **Gutmann JL**, Guo IY. Apical and coronal seal of roots obturated with a dentin bonding agent and resin. *Int Endod J* 29:76-83, 1996.

Williams SS, **Gutmann JL**. Periradicular healing in response to Diaket root-end filling material with and without tricalcium phosphate. *Int Endod J* 29:84-92, 1996.

Behrend GD, Cutler CW, **Gutmann JL**. An *in vitro* study of smear layer removal and microbial leakage along root canal fillings. *Int Endod J* 29:99-107, 1996.

Witherspoon DE, **Gutmann JL**. Haemostasis in periradicular surgery. *Int Endod J* 29:135-149, 1996.

Battrum DE, **Gutmann JL**. Phantom tooth pain: a diagnosis of exclusion - a case report. *Int Endod J* 29:190-194.

**Gutmann JL**, Gutmann ME. Differential diagnosis of endodontic - periodontal lesions. *Dental Hygienist News* 9(1):17-18, 1996.

Solomon ES, **Gutmann JL**. The cost of clinic care in a postdoctoral endodontics program in relationship to clinic fees. *J Dent Educ* 60:765-769, 1996.

Rusch-Behrend GD, **Gutmann JL**. Tratamiento de argiria tisular dirusa dibida a tratamiento endodónico: presentación de un caso. Quintessence 9:633-637, 1996.

Lloyd A, **Gutmann J**, Dummer P, Newcombe R. Microleakage of Diaket and amalgam in root-end cavities prepared using MicroMega sonic retro-prep tips. Int Endod J 30:196-204, 1997.

**Gutmann JL**. Intentional pupal ossification. J Hist Dent 45:70, 1997

**Gutmann JL**, Tidwell E. Restoring endodontically treated teeth. Texas Dent J 114(10):14-26, 1997.

Cayton E, **Gutmann JL**. Cultural approach to health in Asian-Americans. BUMC Proceedings 11(1):11-17, 1998.

Gutmann ME, Prater SL, Naugher AM, **Gutmann JL**. Practical considerations in the management of an avulsed tooth. J Prac Hyg 7(1):25-29, 1998.

Regan JD, Witherspoon D, **Gutmann J**. Prevention, identification and management of tooth perforations. Endod Prac 1:24-43, 1998.

**Gutmann JL**, Regan JD. Historical and contemporary perspectives on the root apex. Arab Dental Journal 3(6):9-15, 1998.

Maalouf EM, Ounsi HF, **Gutmann JL**. Retreatment in endodontics: the Deepstar technique. Arab Dental Journal 3(6):44-47, 1998.

**Gutmann JL**, Tidwell E. Restoring endodontically treated teeth. Oral Health 88(11):65-75, 1998.

**Gutmann JL**. Debridement = the seal of success. J Hist Dent 46(3):115, 1998.

Ne R, Witherspoon D, **Gutmann JL**. Tooth resorption. Quintessence Int 30:9-25, 1999. Reprinted in German: Resorption von Zahnhartsubstanz (I) Quintessenz 50:465-471, 1999; Resorption von Zahnhartsubstanz (II) Quintessenz 50:569-580, 1999; Reprinted in Japanese: Tooth resorption The Quintessence 18(10):3-16, 1999. Reprinted in French Les résorptions dentaires, Clinic - La Revue de L'Omnipraticien, 21:235-248, 2000. Reprinted in Spanish: Reabsorción dental. Quintessence 13:388-405, 2000.

Tidwell E, Hutson S, Burkhart N, **Gutmann JL**, Ellis CD. Herpes zoster of the trigeminal nerve 3<sup>rd</sup> branch: review of the literature and case report. Int Endod J 32:61-66, 1999.

**Gutmann JL**. How do we pronounce "Hill's Stopping?" J Hist Dent 47:38, 1999.

Tidwell E, Witherspoon DE, **Gutmann JL**, Vreeland DL, Sweet PM. Thermal sensitivity of endodontically treated teeth. *Int Endod J* 32:138-145, 1999.

Gutmann MS, **Gutmann JL**. The dental hygienist as a co-therapist in the endodontic practice. *J Endod* 25:272-274, 1999.

Regan JD, **Gutmann JL**, Iacopino AM, Diekwisch T. Response of periradicular tissues to growth factors introduced into the surgical site in the root-end filling material. *Int Endod J* 32:171-182, 1999.

Davalou S, **Gutmann JL**, Nunn MH. Assessment of apical and coronal root canal seals using contemporary endodontic obturation and restorative materials and techniques. *Int Endod J* 32:388-396, 1999.

Hamilton RS, **Gutmann JL**. Endodontic – orthodontic relationships: a review. *Int Endod J* 32:343-360, 1999.

Kytridou V, **Gutmann JL**, Nunn MH. Adaptation and sealability of two contemporary obturation techniques in the absence of the dentinal smear layer. *Int Endod J* 32:464-474, 1999.

**Gutmann JL**. Perspectives on root-end resection. *J Hist Dent* 47:135-136, 1999.

Witherspoon DE, **Gutmann JL**. A comparative analysis of gutta-percha and Diaket when used as root-end filling materials in periradicular surgery. *Int Endod J* 33:37-45, 2000.

**Gutmann JL**. A breakthrough. *J Hist Dent* 48:50, 2000.

Zuolo ML, Ferreira MOF, **Gutmann JL**. Prognosis in periradicular surgery: A clinical prospective study. *Int Endod J* 33:91-98, 2000.

Laghios CD, Benson BW, **Gutmann JL**, Cutler CW. Comparative radiopacity of tetracalcium and other root-end filling materials. *Int Endod J* 33:311-315, 2000.

Laghios CD, Cutler CW, **Gutmann JL**. *In vitro* evidence that lipopolysaccharide of an oral pathogen leaks from root-end filled teeth. *Int Endod J* 33:333-339, 2000.

**Gutmann JL**. How far have we come in endodontic treatment? *J Hist Dent* 48(2):90, 2000.

Jaunberzins A, **Gutmann JL**, Witherspoon DE, Harper RP. Effects of calcium hydroxide and TGF- $\beta$  on collagen synthesis in subculture I and V of Osteoblasts. *J Endod* 26:494-499, 2000.

Jaunberzins A, **Gutmann JL**, Witherspoon DE, Harper RP. TGF- $\beta$ 1 alone and in combination with calcium hydroxide is synergistic to TGF- $\beta$ 1 production by osteoblasts. *Int Endod J* 33:421-426, 2000.

Barbakow F, **Gutmann JL**, Regan JD. Getting to the root. *Dental Products Report Europe* 21:8-12, 2000.

**Gutmann JL**. An early response to the challenges of asepsis. *J Hist Dent* 48:134, 2000.

Trautmann G, **Gutmann JL**, Nunn ME, Witherspoon DE, Shulman JD. Restoring teeth endodontically treated through existing crowns. Part I. Survey of pulpal status upon access. *Quintessence Int* 31:713-718, 2000. Reprinted in *The Quintessence (Japanese edition)* 20(9):176-182, 2001

Trautmann G, **Gutmann JL**, Nunn ME, Witherspoon DE, Shulman JD. Restoring teeth endodontically treated through existing crowns. Part II. Survey of restorative materials commonly used. *Quintessence Int* 31:719-728, 2000. Reprinted in *The Quintessence (Japanese edition)* 20(9):115 - 124, 2001

Trautmann G, **Gutmann JL**, Nunn ME, Witherspoon DE, Berry CW, GG Romero. Restoring teeth endodontically treated through existing crowns. Part III. Material usage and prevention of bacterial leakage. *Quintessence Int* 32:27-32, 2001. Reprinted in *The Quintessence (Japanese edition)* 21(3):107 - 113, 2002.

Trautmann G, **Gutmann JL**, Nunn ME, Witherspoon DE, Berry CW, GG Romero.. Restoring teeth endodontically treated through existing crowns. Part IV. Material usage and prevention of dye leakage. *Quintessence Int* 32:33-41, 2001. Reprinted in *Quintessence (Spanish edition)* 16:(7)395-403, 2003.

**Gutmann JL**. Introduction: A Historic Perspective. In Cohen S, Burns RC, (Eds), *Pathways of the Pulp*, 8<sup>th</sup> Edition, Mosby, St. Louis, xv – xviii, 2001.

**Gutmann JL**. The “ROOTS” of the ideal filling material. *J Hist Dent* 49:49, 2001.

Peterson J, **Gutmann JL**. Surgical failures: resurgery or extraction? *Int Endod J* 34:169-175, 2001.

Douthitt JC, **Gutmann JL**, Witherspoon DE. Assessment of healing following the use of bioresorbable membrane in the management of buccal bone loss concomitant with periradicular surgery. *J Endod* 27:404-410 2001.

Amir F, **Gutmann JL**: Calcific metamorphosis: a challenge in endodontic diagnosis and treatment. *Quintessence Int* 32:447-455, 2001.

Levine DF, **Gutmann JL**, Witherspoon DE, Nunn ME, Wiggs RB. Feline immunodeficiency virus model to study human immunodeficiency virus/acquired immune deficiency syndrome conditions. *J Endod* 27:467-469, 2001.

Levine DF, Witherspoon DE, **Gutmann JL**, Iacopino AM. Interleukin-1 $\beta$  production in periradicular lesions in a human immunodeficiency virus/acquired immune deficiency syndrome model compared to a non-infected host. *J Endod* 27:499-502, 2001.

**Gutmann JL**, Amir FA. Endodontic emergencies: the impact of contemporary technologies, treatment regimens and scientific thought. *The Indian Dentist* April-May-June 15, 18-20, 2001.

Flores MT, Andreasen JO, Bakland LK, Feiglin B, **Gutmann JL**, Oikarinen K, Ford TR, Sigurdsson A, Trope M, Vann WR Jr. Guidelines for the management of traumatic dental injuries. *Dental Traumatology* 17:1-4, 2001.

Flores MT, Andreasen JO, Bakland LK, Feiglin B, **Gutmann JL**, Oikarinen K, Ford TR, Sigurdsson A, Trope M, Vann WR Jr. Guidelines for the evaluation and management of traumatic dental injuries. *Dental Traumatology* 17:49-52, 2001.

Flores MT, Andreasen JO, Bakland LK, Feiglin B, **Gutmann JL**, Oikarinen K, Ford TR, Sigurdsson A, Trope M, Vann WR Jr., Andreasen FM. Guidelines for the evaluation and management of traumatic dental injuries. *Dental Traumatology* 17:97-102, 2001.

Flores MT, Andreasen JO, Bakland LK, Feiglin B, **Gutmann JL**, Oikarinen K, Ford TR, Sigurdsson A, Trope M, Vann WR Jr., Andreasen FM. Guidelines for the evaluation and management of traumatic dental injuries. *Dental Traumatology* 17:145-148, 2001.

Flores MT, Andreasen JO, Bakland LK, Feiglin B, **Gutmann JL**, Oikarinen K, Ford TR, Sigurdsson A, Trope M, Vann WR Jr., Andreasen FM. Guidelines for the evaluation and management of traumatic dental injuries. *Dental Traumatology* 17:193-198, 2001.

Amir F, **Gutmann JL**. "The strangulation theory" – A strangled concept. *J Hist Dent* 49:135, 2001.

Gutmann MS, **Gutmann JL**. Some current perspectives on tooth bleaching and management of tooth stains. *Dental News* 8:(3): 19 – 24, 2001.

**Gutmann JL**. Contemporary endodontic techniques: the reduction of endodontic flare-ups. *Endod Therapy* 1(1):5, 24, 2001.

Levine DF, Witherspoon DE, **Gutmann JL**, Nunn ME, Newman JT, Iacopino AM. The effect of FIV infection on CD4+ and CD8+ counts in periradicular lesions. *Int Endod J* 34:586-593, 2001.



**Gutmann JL.** PPS – a dynamic and creative integration of the ProTaper™ & ProFile™ systems. Dentsply Asia Update, Issue 12(June/August):3-5, 2002.

Satchell PG, Anderton X, Ryu OH, Luan X, Ortega AJ, Opamen R, Berman BJ, Witherspoon DE, **Gutmann JL**, Yamane A, Zeichner-David M, Simmer JP, Shuler CFR, Diekwisch TGH. Conservation and variation in enamel protein distribution during vertebrate tooth development. J Exp Zool (Mol Dev Evol) 294:91-106, 2002.

Regan JD, **Gutmann JL**, Witherspoon DE. Comparison of Diaket and MTA when used as root-end filling materials to support regeneration of the periradicular tissues. Int Endod J 35:840-847, 2002.

**Gutmann, JL.** PPS: An integration of ProTapers and ProFiles – A winning combination for thorough root canal cleaning and shaping (in Chinese). Dentsply Update 12:3-5, 2002.

**Gutmann JL.** Crown down root canal cleaning & shaping in contemporary endodontics. The Indian Dentist – Research & Review. 1(1):2, 4, 2002.

**Gutmann JL.** A straight-forward pathway to success. J Hist Dent 50:139,2002.

Dominguez MS, **Gutmann JL**, Opperman LA, Witherspoon DE. Histological and SEM assessment of various vital pulp-therapy materials. J Endod 29:324-333, 2003.

Satchell PG, **Gutmann JL**, Witherspoon DE. Apoptosis: an introduction for the endodontist. Int Endod J 36:237-245, 2003.

Steinig TH, Regan JD, **Gutmann JL.** The use and predictable placement of Mineral Trioxide Aggregate® in one-visit apexification cases. Austral Endod J 29:34-42, 2003.

Perez A, Spears R, **Gutmann JL**, Opperman LA. Osteoblasts and MG-63 osteosarcoma cells behave differently when in contact with ProRoot™ MTA and White MTA. Int Endod J 36:564-570, 2003.

**Gutmann JL.** Comentary: cognitive dissonance in endodontics: perspectives and comments. J Endod 29:713, 2003.

**Gutmann JL**, Balson M. Contemporary endodontic treatment - its role in retaining our patients' natural dentition. Colleagues for Excellence, Chicago, American Association of Endodontists, November 2003.

Field JW, **Gutmann JL**, Solomon ES, Rakusin H. A clinical radiographic retrospective assessment of the success rate of single -visit root canal treatment. Int Endod J 37:70-82, 2004.

Steinig TH, Regan JD, **Gutmann JL**. The use and predictable placement of Mineral Trioxide Aggregate® in one-visit apexification cases. *Dentistry South Africa* 6(4):34-51, 2004.

Steinig TH, Regan JD, **Gutmann JL**. The use and predictable placement of Mineral Trioxide Aggregate® in one-visit apexification cases. *Austral Endod J* 29:34-42, 2003; Reprinted in *Endodontic Practice* 7(2):15-25, 2004.

Perez A, Spears R, **Gutmann JL**, Opperman LA. Osteoblasts and MG-63 osteosarcoma cells behave differently when in contact with ProRoot™ MTA and White MTA. *Int Endod J* 36:564-570, 2003.

Trasatti C, Spears R, **Gutmann JL**, Opperman LA. Increased Tgf-β1 production by rat osteoblasts in the presence of Pep Gen P-15™ in vitro. *J Endod* 30:213-217, 2004.

Song YL, Bian Z, Fan B, Fan MW, **Gutmann JL**, Peng B. A comparison of instrument-centering ability within the root canal for three contemporary instrumentation techniques. *Int Endod J* 37:265-271, 2004.

Al-Awadhi S, Spears R, **Gutmann JL**, Opperman LA. Cultured primary osteoblast viability and apoptosis in the presence of root canal sealers. *J Endod* 30:527-533, 2004.

Menhinick, K, **Gutmann JL**, Regan J, Taylor S, Solomon E. Efficacy of pain control following non-surgical root canal treatment using ibuprofen or a combination of ibuprofen and acetaminophen in a randomized, double-blind, placebo-controlled study. *Int Endod J* 37:531-41, 2004.

**Gutmann JL**. The ProTaper® System: Key to Contemporary Goals in Root Canal Treatment. *Dental Tribune (Asia Pacific Edition)* 4(2):20, 25, 2004; (China Edition) 4(4): 20, 25), 2004.

Fan B, Cheung GS, Fan M, **Gutmann JL**, Bian Z. C-shaped canal system in mandibular second molars: Part I – Anatomical features. *J Endod* 30:899-903, 2004

Fan B, Cheung GS, Fan M, **Gutmann JL**, Fan, W. C-shaped canal system in mandibular second molars: Part II – Radiographic features. *J Endod* 30:904-908, 2004

**Gutmann JL**. Treatment of complications that can occur during and after endodontic therapy. *MetLife Quality Resource Guide*, MetLife, Bridgewater, NJ, USA, 2005

Ham, KA, Witherspoon DE, **Gutmann JL**, Ravindranath S, Toh, CG, Opperman L. Preliminary evaluation of BMP-2 expression and histological characteristics during apexification with calcium hydroxide and mineral trioxide aggregate. *J Endod* 31:275-279, 2005.

**Gutmann JL.** The ProTaper® System – Key to Contemporary Goals in Root Canal Treatment, Dentsply Asia Update 17:5-8, 2005.

**Gutmann JL.** Biologic perspective to support clinical choices in root canal treatment. Australian Endod J 31:9-13, 2005.

**Gutmann JL.** Comparing Endo Instruments: Morphology & Application. Dent Tribune (Asia Pacific Edition) 4(2):28-30, 2005.

**Gutmann JL.** Surgical endodontics – Quo Vadis? Endodontic Topics 11:1-3, 2005.

Stropko JJ, Doyon GE, **Gutmann JL.** Root-end management: resection, cavity preparation & material placement. Endodontic Topics 11:131-151, 2005.

**Gutmann JL.** Surgical endodontics: post-surgical care. Endodontic Topics 11:196-205, 2005.

**Gutmann JL.** Introduction In: Cohen S, Hargreaves KM., eds. Pathways of the Pulp. 9<sup>th</sup> ed. St. Louis: Mosby-Elsevier, 2006.

Fan W, Fan B, **Gutmann JL,** Bian, Z, Fan MW. Evaluation of the accuracy of three electronic apex locators using glass tubules. Int Endod J 39:127-135, 2006.

Wan F-M, Qui K, Hu T, Wan C-X, Zhou X-D, **Gutmann JL.** Biodegradable porous calcium polyphosphate scaffolds for the three-dimensional culture of pulp cells. Int Endod J 39:477-483, 2006.

**Gutmann JL.** The ‘Pathway’ to successful application of ProTaper® instruments. Dentsply Update 19:1-3, 2006.

Min Y, Fan B, Cheung GS, **Gutmann JL,** Fan MW. C-shaped Canal System in Mandibular Second Molars Part III: The morphology of the pulp chamber floor. J Endod 32:1155-1159, 2006.

Gao Y, Fan B, Cheung GS, **Gutmann JL,** Fan MW. C-shaped Canal System in Mandibular Second Molars Part IV: 3-D Morphological Analysis and Transverse Measurement. J Endod 32:1062-1065, 2006.

Liu SB, Fan B, Cheung GS, Peng B, Fan MW, **Gutmann JL,** Song YL, Fu Q, BGian Z. Cleaning effectiveness and shaping ability of rotary ProTaper compared with rotary GT and manual K-Flexofile. Am J Dent 19:353-358, 2006.

Fan W, Fan B, **Gutmann JL,** Cheung GS. Identification of C-shaped canal in mandibular second molars. Part I: radiographic and anatomical features revealed by intraradicular contrast medium. J Endod 33:806-810, 2007.

**Gutmann JL.** Treatment planning & management of fixed prostheses supported by vertically fractured roots. *Roots* 3:31-38, 2007.

**Gutmann JL.** Treatment of complications that can occur during and after endodontic therapy,. 2<sup>nd</sup> edition. MetLife Quality Resource Guide, MetLife, Bridgewater, NJ, USA, <http://www.metdental.com>, 2007

Tay FR, **Gutmann JL**, Pashley DH. Microporous demineralised collagen matrices in intact radicular dentin created by commonly used calcium-depleting endodontic irrigants. *J Endod* 33:1086-90, 2007.

Tay KC, Loushine BA, Oxford C, Kapur R, Primus CM, **Gutmann JL**, Loushine RJ, Pashley DH, Tay FR. In vitro evaluation of a Ceramicrete-based root-end filling material. *J Endod* 33:1438-43, 2007.

**Gutmann JL.** Perspectives on the use of root/tooth resections in the retention of teeth. *ENDO (Lond Engl)* 1:239-255, 2007.

**Gutmann JL.** Educational challenges, constraints and visions in the endodontic educational process. *LVI Visions (Fall 2006-Winter 2007)*:56-57.

Fan B, Gao Y, Fan W, **Gutmann JL.** Identification of C-shaped canal in mandibular second molars. Part II: The effect of bone image superimposition and intraradicular contrast medium on radiograph interpretation. *J Endod* 34:160-5, 2008.

Fan W, Fan B, **Gutmann JL**, Fan M. Identification of C-shaped canal in mandibular second molars. Part III: Anatomic features revealed by digital subtraction radiography. *J Endod* 34:1187-90, 2008.

Fan B, Yang J, **Gutmann JL**, Fan M. Root canal systems in mandibular first premolars with C-shaped root configurations. Part I: Microcomputed tomography mapping of the radicular groove and associated root canal cross-sections. *J Endod* 34:1337-1341, 2008.

Weller RN, Tay KC, Garrett LV, Mai S, Primus CM, **Gutmann JL**, Pashley DH, Tay FR. Microscopic appearance and apical seal of root canals filled with gutta-percha and ProRoot Endo Sealer after immersion in a phosphate-containing fluid. *Int Endod J* 41:977-986, 2008.

Huffman BP, Mai S, Pinna L, Weller RN, Primus CM, **Gutmann JL**, Pashley DH, Tay FR. Dislocation resistance of ProRoot Endo Sealer, a calcium silicate-based root canal sealer, from radicular dentine. *Int Endod J* 42:34-46, 2009.

Ordinola-Zapata R, Bramante CM, de Moraes IG, Bernardineli N, Garcia RB, **Gutmann JL**. Analysis of the gutta-percha filled area in C-shaped mandibular molars obturated with a modified MicroSeal technique. *Int Endod J* 42:186-197, 2009.

Fan B, Min Y, Lu G, Yang J, Cheung GSP, **Gutmann JL**. Negotiation of C-shaped canal systems in mandibular second molars. *J Endod* 35:1003-1008, 2009.

**Gutmann JL**. The evolution of America's scientific advancements in dentistry in the past 150 years. *J Am Dent Assoc* 140(Suppl):8S-16S, 2009.

Ordinola-Zapata R, Bramante CM, Graeff MS, del Carpio AP, Vivan, RR, Camargo EJ, Garcia RB, Bernardineli N, **Gutmann JL**, de Moraes IG. Depth and percentage of penetration of endodontic sealers into dentinal tubules following root canal obturation using a lateral compaction technique. A Confocal Laser Scanning Microscopy Study. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 108:450-457, 2009.

**Gutmann JL**, Baumgartner JC, Gluskin AH, Hartwell GR, Walton RE. Identify and define all diagnostic terms for periapical/periradicular health and disease states. *J Endod* 35:1658-1674, 2009.

**Gutmann JL**. The maturation of science within dentistry – The impact of critical milestones and visionary leaders on contemporary achievements. *J Hist Dent* 57:109-122, 2009.

Kim YK, Gandini S, Ames JM, Gu L-S, Kim SK, Pashley DH, **Gutmann JL**, Tay FR. Critical review on methacrylate resin-based root canal sealers. *J Endod* 36:383-399, 2010.

**Gutmann JL**. Louis I. Grossman – The Visionary Father of Modern Endodontics. In Chandra BS, Krishna VG (eds), *Grossman's Endodontic Practice*, 12<sup>th</sup> edition, New Delhi, Wolter Kluwer Health, pp. ix-x, 2010.

**Gutmann JL**, Gutmann MS. Historical Perspectives on the evolution of surgical procedures in endodontics. *J Hist Dent* 58(1):1-42, 2010.

**Gutmann JL**, Ferreyra S. Contemporary diagnostic and treatment considerations in the management of tooth resorptive defects. *ENDO (Lond Engl)* 4:7-16, 2010. Šiuolaikinės diagnostikos ir gydymo svarba šalinant danties rezorbcijos defectus. *Quintessence Int Lietuva* 2(2):22-28, 2010.

**Gutmann JL**, Kuttler S, Niemczyk SP. Root canal obturation: An update. <http://www.3dfill.com/ce/asp> 1-11, 2010.

**Gutmann JL**, Ferreyra S. Alternate and contemporary management of large periradicular lesions. *ENDO (Lond Engl)* 4:127-144, 2010.

**Gutmann JL.** The pathway to success with NiTi instruments. *Dent Economics* 100(7):20, 2010.

Ding J, **Gutmann JL**, Fan B, Lu Y, Chen H. Investigation of apex locators and related morphological factors. *J Endod* 36:1399-1403, 2010.

Bryan TE, Khechen K, Brackett MG, Messer RL, El-Awady A, Primus CM, **Gutmann JL**, Tay FR. Ex vivo osteogenic potential of an experimental calcium silicate-based root canal sealer. *J Endod* 36:1163-1173, 2010.

**Gutmann JL.** Excellence in education seasoned with a smattering of endodontics. *J Hist Dent* 58:83-86, 2010.

Neelakantan P, Subbarao C, Ahuja R, Venkata Subbarao C, **Gutmann JL.** Cone-Beam Computed Tomography Study of Root and Canal of Maxillary First and Second Molars in an Indian Population. *J Endod* 36:1622-1637, 2010.

**Gutmann JL**, Ferreyra S. Surgical trephination: a lost art in managing specific endodontic emergencies or a dangerous procedure? *ENDO (Lond Engl)* 4:171-178, 2010.

Peter OA, Buchanan LS, McDonald NJ, **Gutmann JL.** Expert Panel Discussion: Apex Locators. *ADA Professional Product Review* 5(4):13-15, 2010.

Fan B, Pan Y, Gao Y, Fang F, Wu Q, **Gutmann JL.** Three-dimensional morphologic analysis of isthmuses in the mesial roots of mandibular molars. *J Endod* 36:1866-1869, 2010.

**Gutmann JL.** Is there a rationale for the use of a specific root canal irrigant? *Dent Economics* 100(12):42, 2010.

Dai L, Khechen K, Khan S, Gillen B, Loushine AB, Wimmer CE, **Gutmann JL**, Pashley D, Tay FR. The effect of QMix, an experimental antibacterial root canal irrigant, on removal of canal wall smear layer and debris. *J Endod* 37:80-84, 2011.

**Gutmann JL.** Managing complications during root canal procedures. *MetLife Quality Resource Guide*, MetLife, Bridgewater, NJ, USA, <http://www.metdental.com>, 2011.

Neelakantan P, Subbarao CV, **Gutmann JL.** The efficacy of preoperative oral medication of lornoxicam and diclofenac potassium on the success of inferior alveolar nerve block in patients with irreversible pulpitis: a prospective, double-blind, randomized controlled clinical trial. *Int Endod J* 44:330-336, 2011.

López-Ampudia N, **Gutmann JL**. Management of “S-Shaped” Root Canals – Technique and Case Report. ENDO (Lond Engl) 5:7-15, 2011. Translated into German and published as; López-Ampudia N, **Gutmann JL** S-förmige Wurzelkanäle – Behandlungstechniken und Fallbericht. Endodontie 21:159-168, 2012.

Bertó A, Minana R, Glickman GN, **Gutmann JL**. Diagnosis and root management of a two-rooted maxillary central incisor. ENDO (Lond Engl) 5:47-51, 2011.

**Gutmann JL**. Clark’s Rule and its application in Endodontics. J Hist Dent 59:12-15, 2011.

**Gutmann JL**. Local anesthetics, pulpal blood flow and C. Edmund Kells. J Hist Dent 59:90-93, 2011.

**Gutmann JL**. The future of root canal obturation. Dent Today 30(11):128 – 131. Reprinted in Michigan Academy of General Dentistry Update 1(13):30-32, 2012,

**Gutmann JL**. Diagnostic pulp testing in dentistry – how far have we come? J Hist Dent 59:126-128, 2011.

Saghiri M, Asgar K, Lotfi M, Karamifar K, Neelakantan P, **Gutmann J**. Effect of storage temperatures on sealing ability and solubility of White Mineral Trioxide Aggregate. Acta Odontol Scand Online 2011 DOI: 10.3109/00016357.2011.600715 – E-pub Aug 5, 2011

**Gutmann JL**, Gao Y. Alteration of the inherent metallic and surface properties of NiTi root canal instruments to enhance performance, durability & safety: a focused review. Int Endod J 45:113-128, 2012

**Gutmann JL**. The challenges and complexities of achieving profound local anesthesia. [www.dentalllearning.net](http://www.dentalllearning.net) 1(2):1-14, 2012.

Reddy S, Neelakantan P, Saghiri MA, Lotfi M, Venkata Subbarao C, Garcia-Godoy F, **Gutmann JL**. Removal of gutta-percha/zinc-oxide-eugenol sealr or gutta-percha/epoxy resin sealer from severely curved canals: an in vitro study. Int J Dent 2011 Article ID 541831, doi:10.1155/2011/541831

Gao Y, **Gutmann JL**, Wilkinson K, Maxwell R, Ammon D. Evaluation of the Impact of Raw Materials on the Fatigue and Mechanical Properties of ProFile Vortex Rotary Instruments. J Endod. 38:398-401, 2012.

Saghiri M, Asgar K, Neelakantan P, Lotfi M, Saghiri AM, **Gutmann J**, Sheibaninia A. Back-scattered and secondary electron images of scanning electron microscopy in dentistry: a new method for surface analysis. Acta Odontol Scand 70:603-609, 2012.

**Gutmann JL.** Innovative changes in core-carrier root canal obturation. *Endod Pract* 15:12-21, 2012.

**Gutmann JL.** The future of root canal obturation. *Famdent* 12(4):36-40, 2012.

**Gutmann JL.** Setting a new benchmark in root canal instruments – The Blue Standard. *Dent Econ* 102(5):4, 2012.

Saghiri MA, Garcia-Godoy F, **Gutmann JL**, Lotfi M, Asgar K. The Reliability of Artificial Neural Network in Locating Minor Apical Foramen: A Cadaver Study. *J Endod* 38:1130-1134, 2012.

Saghiri MA, Karamifar K, Mehrvazfar P, Asgar K, **Gutmann JL**, Lotfi M, Garcia-Godoy F. The efficacy of foam cleaners in removing debris from two endodontic instruments. *J Endod* 43:811-817, 2012.

Saghiri MA, Asgar K, **Gutmann JL**, Garcia-Godoy F, Ahmadi K, Karamifar K, Asatorian A. Effect of laser irradiation on root canal walls after final irrigation with 17% EDTA or BioPure MTAD: X-ray diffraction and SEM analysis. *Quintessence Int* 2012;43(10):e127-34.

Fan B, Ye WH, Xie EZ, Wu H, **Gutmann JL**. Three-dimensional morphological analysis of C-shaped canals in mandibular first premolars in a Chinese population. *Int Endod J* 45:1035-1041, 2012.

Neelakantan P, Subbarao C, Sharma S, Subbarao CV, Garcia-Godoy F, **Gutmann JL**. Effectiveness of curcumin against *Enterococcus faecalis* biofilm. *Acta odontologica Scandinavica* 71:1453-1457, 2013.

**Gutmann JL.** Core-carrier obturation. *Dentsply Asia Newsletter* 3:1-6, 2013.

**Gutmann JL.** Is an apicoectomy ever successful? If so, under what conditions? An historic assessment with contemporary overtones. *J Acad Hist Dent* 61(1):3-20, 2013.

Gaffos SN, **Gutmann JL**, Ehrlich MB. Concerning the downsizing and future of the American Dental Association Library. *J Hist Dent* 61(1):1-2, 2013.

**Gutmann JL.** A closer look at NiTi root canal enlargement. *Inside Dentistry* 9:64-69, 2013). [www.dentalaegis.com](http://www.dentalaegis.com)

Saghiri MA, Garcia-Godoy F, **Gutmann JL**, Lotfi M, Asatorian A, Ahmadi H. Push-out bond strength of a nano-modified mineral trioxide aggregate. *Dent Traumatol* 29:323-327, 2013.



Saghiri MA, Asatourian A, Garcia-Godoy F, **Gutmann JL**, Sheibani N. The impact of thermocycling process on the dislodgement force of some endodontic cements. *Biomed Res Internat* Volume 2013, Article ID 317185, 6 pages  
<http://dx.doi.org/10.1155/2013/317185>

**Gutmann JL**. Bernhard Gottlieb's impact on contemporary endodontology. *J Hist Dent* 61:(2)85-106, 2013. Erratum 61:(3) 128, 2013.

Saghiri MA, Garcia-Godoy F, **Gutmann JL**, Asatourian A, Lotfi M, Elyasi M. Removal of white mineral trioxide aggregate cement: A promising approach. *Biomed Res Internat* Volume 2013, Article ID 469164, 7 pages; <http://dx.doi.org/10.1155/2013/469164>

**Gutmann JL**, Levermann Manjarres V. Endodontic endosseous implants (diodontic or through the tooth implants). *ENDO (London)* 7:299-304, 2013.

**Gutmann JL**. The Right Stuff – Root Canal Obturation. *Mentor* March 2013;13-16.

Diaz SC, Ferreyra S, **Gutmann JL**. Healing of a horizontal root fracture with lateral luxation of the coronal fragment: A 3-year follow-up. *ENDO (London)* 7:291-297, 2013.

**Gutmann JL**, Levermann Manjarres V. Enossale-Endodontale Implantate (Diodontic oder durch den Zahn Implantat) *Endodontie* 22(4):367-372, 2013.

Saghiri MA, Garcia-Godoy F, **Gutmann JL**, Lotfi M, Asatourian A. Effects of various mixing techniques on physical properties of White Mineral Trioxide Aggregate Dental Traumatol 30:240-245, 2014.

Wu D, Fan W, Kishen A, **Gutmann JL**, Fan B. Evaluation of the antibacterial efficacy of silver nanoparticles against *Enterococcus faecalis* biofilm. *J Endod* 40:285-290, 2014.

**Gutmann JL**. Apex locator evolution. *Mentor* January 2014;8.

Saghiri MA, Garcia-Godoy F, **Gutmann JL**, Lotfi M, Asatourian A, Elyasi M, Sheibani N. The effect of pH on solubility of nano-modified endodontic cements. *J Conserv Dent* 17:13-17, 2014.

Saghiri MA, Asatourian A, Garcia-Godoy F, **Gutmann JL**, Lotfi M, Sheibani N. The effect of electrical treatment on cyclic fatigue of NiTi instruments. *Scanning* 23:507-511, 2014.

**Gutmann JL**. Surgical endodontics: Past, present – future? *Endod Topics* 20:29-43, 2014.

Zhang Q, Chen H, Fan B, Fan W, **Gutmann JL**. Root and root canal morphology in maxillary second molar with fused root from a native Chinese population. *J Endod* 40:871-875, 2014

Saghiri MA, Shebani N, Garcia-Godoy F, **Gutmann JL**. Correlation between long-term in-vivo amalgam restorations and the presence of heavy elements in the dental pulp *J Trace Elem Med Biol* 28(2):200-204, 2014.

**Gutmann JL**, Zehnder M, Levermann Manjarres V. Historical perspectives on the roots of the apical negative pressure irrigation technique in endodontics. *J Hist Dent* 62(1):32-40, 2014

Eliot C, Hatton JF, Stewart GP, Hildebolt C, Gillespie MJ, **Gutmann JL**. The effect of the irrigant QMix on removal of canal wall smear layer: an ex vivo study. *Odontol* 102:232-240, 2014.

Stefopolous S, Kerezoudis NP, **Gutmann JL**. Response of periapical tissues following root-end surgery and orthodontic tooth movement: a case report. *ENDO (London)* 8:207-211, 2014.

Berger T, Baratz A, **Gutmann JL**. In vitro investigations into the etiology of mineral trioxide tooth staining. *J Conserv Dent* 17:526-530, 2014.

Nui L, Luo X-J, Li G-H, Bortoluzzi EA, Mao J, Chen J-H, **Gutmann JL**, Pashley DH, Tay FR. Effects of different sonic activation protocols on debridement efficacy in teeth with single-rooted canals. *J Dent* 42:1001-1009, 2014.

Luppi LI, Ferreyra S, **Gutmann JL**. Treatment of avulsed permanent teeth with open apices: Case report. *ENDO (London)* 8:315-321, 2014

**Gutmann JL**. Perspectives on the management of root canals in teeth that exhibit a draining “fistulous” tract. *J Hist Dent* 62(2):69-73, 2014

Wu D, Fan W, Kishen A, **Gutmann JL**, Fan B. Bacterial recolonization on treated root dentin: The effect of calcium hydroxide, chlorhexidine and silver nanoparticles gel. *J Endod* 40:285-290, 2014.

Russo J, **Gutmann JL**. Dr. Adolph Bushell: A New England treasure & a renaissance man for all seasons: *J Hist Dent* 62(2):54-60, 2014.

**Gutmann JL**. The interactive role of tooth trauma, pulpal status, and orthodontic tooth movement: a focused review. *ENDO (London)* 8:267-292, 2014.

Primus CM, **Gutmann JL**, Yapp R, Tay FR. Physical properties of new generation tricalcium silicate dental materials. *Bioceram Dev Appl* 4:76, 2014; <http://dx.doi.org/10.4172/2090-5025>.

**Gutmann JL**. Brief historical perspective – the DG16 endodontic explorer. *J Hist Dent* 62:110, 2014

**Gutmann JL**. Long for contemporary composite materials in the late 1800s. *J Hist Dent* 62:122-123, 2014

Gopikrishna V, Archana D, **Gutmann JL**, Savadamoorthi KS, Kumar ARP, Lakshmi Narayanan L. Prevalence of periradicular radiolucencies and its association with the quality of root canal procedures and coronal restorations in an adult urban Indian population. *J Conserv Dent* 18:34-38, 2015.

Wu D, Fan W, Kishen A, **Gutmann JL**, Fan B. Bacterial recolonization on treated root dentin: the effect of silver nanoparticles gel. *PLOS ONE* [EMID:8989c3fd7021151e]

**Gutmann JL**, Primus CM, Regan JD, Hill G, Woodmansey KF, Tay FR. Biocompatibility of a mineral trioxide aggregate-based root canal sealer - ProRoot® ES (Endo Sealer) *Int J Endod Rehabil* 1:3-11, 2015.

Saghiri MA, **Gutmann JL**, Orangi J, Asatourian A, Sheibani N. Radiopacifier size impacts the physical properties of tri-calcium silicate-based cements. *J Endod* 42:225-230, 2015.

Wagmann DAA, Ferreyra S, **Gutmann JL**. Endodontic-orthodontic management of an intruded-laterally luxated central incisor: Case report. *ENDO (London)* 9:53-58, 2015.

Amoroso-Silva PA, Ordinola-Zapata R, Duarte MA, **Gutmann JL**, Del Carpio-Perochena A, Bramante CM, de Moraes IG. Micro-computed Tomographic Analysis of Mandibular Second Molars with C-shaped Root Canals. *J Endod*. 2015 Feb 27. pii: S0099-2399(15)00073-4. doi: 10.1016/j.joen.2015.01.021. [Epub ahead of print]

Ordinola-Zapata R, Monteiro Bramante C, Gagliardi Minotti B, Cavalini Cavenago B, **Gutmann JL**, Moldauer BI, Versiani MA, Hungaro Duarte MA. Micro-CT evaluation of C-shaped mandibular first premolars in a Brazilian subpopulation. *Int Endod J* (in Press 2015)

**Gutmann JL**, Rigsby S. Meeting age old challenges in root canal procedures with contemporary technological assessments. *ENDO (London)* (In press 2015)

Soo WKM, Thong YL, **Gutmann JL**. A comparison of four gutta-percha filling techniques in simulated C-shaped canals. *Int Endod J* 2014 (In press for 2015) DOI: 10.1111/iej.12371

**Gutmann JL**. Revisiting the scope of contemporary endodontics. *Dent Today* 34:12, 13-14, 2015

Neelakantan P, Reddy P, **Gutmann JL**. Cyclic fatigue of two different single files with varying kinematics in a simulated double-curved canal. *J Investig Clin Dent* (In press 2015)

**Gutmann JL**. Managing complications during root canal procedures. *MetLife Quality Resource Guide*, MetLife, Bridgewater, NJ, USA, <http://www.metdental.com>, 2015.

**Gutmann JL**, Formentin K. The Gates-Glidden bur – the search continues... *J Hist Dent* (Submitted 2015)

Ronald Ordinola-Zapata R, Bramante CM, Moldauer BI, Topham W, Durand-Sindreu F, Versiani MA, **Gutmann JL**, Nuñez A, Hungaro Duarte MA, Abella F. Comparative Accuracy of Clearing Technique, CBCT and Micro-CT Methods in Studying Mesial Root Canal Configuration of Mandibular Molars. *Int Endod J* (Submitted 2015)

Saghiri MA, Astourian A, Garcia-Godoy F, **Gutmann JL**, Sheibani N. The effect of thermocycling process on sealing ability of white mineral trioxide aggregate: an in-vitro study. *J Oral Rehab* (Submitted 2015)

#### **D. Publications - Abstracts**

**Gutmann JL**,\* DePaola DP, Green DB. An in vitro system to culture intact rabbit pulp. *J Dent Res Spec. Issue B.*, 55: B87, 1976.

**Gutmann JL**. Antibiotic use in endodontic therapy. *Dent Abstr* 21: 468, 1976, 21:595, 1976.

**Gutmann JL**, Tillman JL. Rhabdomyosarcoma: report of case. *Dent Abstr* 22:34, 1977.

Hovland EG, **Gutmann JL**. A traumatic stabilization for traumatized teeth. *Dent Abstr* 22:350, 1977.

**Gutmann JL**. Preparation of endodontically treated teeth to receive a post-core restoration. *Dent Abstr* 23:238, 1978.

**Gutmann JL.** A critical reappraisal of the routine use of periradicular surgery in conjunction with endodontics. *Dent Abstr* 23: 13, 1979.

**Gutmann JL.** Immediate root-filling in the late 1800's. *Dent Abstr* 24: 17, 1979.

**Gutmann JL.** Can root canal filling with silver points provide an effective root canal seal? A perspective. *Dent Abstracts* 25:234, 1980.

**Gutmann JL,** Heaton JF. Management of the open apex in nonvital teeth. II. *Dent Abstr* 27: 296.

Winford T, Glickman G, **Gutmann J.** Microbiological evaluation of the Ultrafil heated gutta percha delivery system. *J Dent Res* 67: 301, 1988 (Abst #1506).

Glickman GN, Shah RR, **Gutmann JL.** Solvency of a synthetic gutta-percha formulation. *J Dent Res* 69: 176, 1990 (Abst #541).

Everett-Gutmann MS, Marker VA, **Gutmann JL.** A clinical evaluation of air-powder polishing on restorative materials. *J Dent Res* 70:557, 1991 (Abst#2333)

**Gutmann JL,\*** Nguyen L, Saunders WP, Saunders EM. Apical leakage of root treated teeth obturated with plastic Thermafil. *J Dent Res* 71:112, 1992 (Abst#52).

**Gutmann JL,** Nguyen L, Saunders WP, Saunders EM. Radiographic assessment of root treated teeth obturated with plastic Thermafil. *J Dent Res* 71:169, 1992 (Abst#508).

**Gutmann JL,\*** DuToit I, Louw N. Comparative strengths of dentin-bonded core build-ups. *J Dent Res* 71:759, 1992 (Abst#1948).

Saunders WP, Saunders EM, Gutmann ML, **Gutmann JL.** Apical leakage of Thermafil obturated tooth prepared for a post. *J Dent Res* 71:759, 1992 (Abst #1945).

**Gutmann JL,\*** Saunders EM, Saunders WP, Gutmann ML. Long-term apical leakage of teeth obturated with plastic Thermafil. *J Dent Res* 71:599, 1992 (Abst # 673).

Saunders WP, Saunders EM, Gutmann ML, **Gutmann JL.** Apical leakage of apicected teeth with root-end fillings of EBA cement. *J Dent Res* 72:125,1993 (Abst#173)

**Gutmann JL,\*** Nguyen, L, Saunders WP, Guo IY, Saunders EM. Comparison of surgical root-end preparations techniques. *J Dent Res* 72:189,1993 (Abst #681)

Snyder SL, **Gutmann JL.** Healing response to Diaket-tricalcium phosphate root-end fillings. *J Dent Res* 72:274, 1993 (Abst # 1363).

Koenig CA, **Gutmann JL**.\* Combined effects of varying angles of root-end resection and smear layer removal on the apical seal in surgical endodontics. J Dent Res 73:383, 1994 (Abst #2247).

Lloyd A, Thompson J, Dummer PMH, **Gutmann JL**. Sealability of the Trifecta technique with and without smear layer. J Dent Res 73:843, 1994 (Abst #450).

Roda RS, **Gutmann JL**. Reliability of apical dye sealability studies with and without removal of air inclusions. J Endod 20:190, 1994 (Abst#7).

Williams SS, **Gutmann JL**. Healing response to diaket-tricalcium phosphate root-end fillings. J Endod 20:199, 1994 (Abst#61)

Ida R, Wong B, Guo I, Kawase T, **Gutmann J**. Effects of extracellular calcium and pH on intracellular regulation in a rat pulpal cell line. J Endod 22:203, 1996 (Abst#59).

Behrend GD, Cutler CW, **Gutmann JL**. Smear layer removal and microbial leakage along root canal fillings. J Endod 22:201, 1996 (Abst#52).

Witherspoon DE, **Gutmann JL**. Surgical wound healing response to alkaline phosphate and phosphophoryn. J Endod 23:260, 1997 Abstr #45

Douthitt JC, **Gutmann JL**. Management of alveolar bone defects during periradicular surgery using Guidor. J Endod 23:264, 1997 Abstr #61

Laghios C, **Gutmann JL**, Cutler CW. A novel model and quantitative immunoassay for the detection of microleakage of lipopolysaccharide from root-end resected and post-filled teeth. Int Endod J 31:203, 1998.

**Gutmann JL**.\* Evidence for the use of ultrasonic devices in surgical root-end preparations. J Dent Res 78:1169, 1999, Abstr#S-3.

**Gutmann JL**.\* Impact of molecular biology on dental specialty education. 1998 – Southeast Asia Association for Dental Education - SEAAD

Regan JD, **Gutmann JL**,\* Witherspoon DE. Comparative healing when Diaket and mineral trioxide aggregate are used in periradicular surgery. J Dent Res 78:1175, 1999, Abstr#45.

Jaunberzins A,\* **Gutmann JL**, Witherspoon DE, Harper RP. Effects of calcium hydroxide and TGF- $\beta$ 1 on collagen synthesis in subculture I and V of osteoblasts. J Endod 26:536, 2000

Trautmann G,\* **Gutmann JL**, Witherspoon, DE, Nunn MH. Treatment choices when restoring teeth endodontically treated through artificial crowns. J Endod 26:536, 2000

- Peterson J,\* **Gutmann J**. A systematic review of resurgery outcomes of persistent endodontic lesions. *J Endod* 26:538, 2000
- McNaught A,\* Witherspoon D, **Gutmann J**, Nunn M. Comparison of octylcyanoacrylate and sutures for oral surgical wound closure. *J Endod* 26:542, 2000
- Levine D,\* **Gutmann J**, Witherspoon D, Iacopino A, Newman J, Nunn M. Molecular biological characterization of periradicular lesions in an HIV/AIDS model. *J Endod* 26:549, 2000
- Ham K,\* Trasatti C,\* **Gutmann J**. Comparison of sealer radiopacity by measuring optical density. *J Endod* 26:565, 2000
- Amir FA,\* Hutchins R, Witherspoon DE, **Gutmann JL**. NGF and CGRP immunoreactivity following contralateral injury in the Zucker diabetic rat. *J Endod* 27:222, 2001.
- Dominguez MS,\* Witherspoon DE, **Gutmann JL**, Opperman L. Histological, SEM and immunohistochemical assessment in contemporary vital pulp therapy. *J Endod* 28:251, 2002.
- Menhinick, K,\* **Gutmann JL**, Regan J, Taylor S, Solomon E. Efficacy of pain control following non-surgical root canal treatment using ibuprofen or a combination of ibuprofen and acetaminophen in a randomized, double-blind, placebo-controlled study. *J Endod* 29:293, 2003.
- Gutmann JL\***. Implants or root canal therapy? *Hellenic Stomatologic Review* 47:501, 2003.
- Fan B,\* Gao Y, Cheung G, **Gutmann J**, Fan MW. 3-D Morphological analysis of C-shaped cana system. *J Dent Res* 2006
- Fan B,\* W. Fan W, Fan M-W, **Gutmann J**. Radiographic features of C-shaped canal system revealed by contrast medium *J Dent Res* 2007.
- Fan B,\* Yang J, **Gutmann JL**, Fan MW. Root canal systems in mandibular first premolars with C-shaped roots. *IADR General Session*, 2009.
- Berger T,\* Baratz A, **Gutmann JL**. Physical properties of a new MTA sealer – ProRoot ES *IADR*, Boston 2015; Control # 2105475

**\*Presenter at scientific/educational meeting**

## **E. Instructional Media**

"Open Wide - A Look at Dentistry", Managing Endodontic Emergencies, WBFF-TV, Channel 45, Taped March 15, 1979, Aired March 18, 1978.

Ruiz E, **Gutmann JL**. Endodontic Access Openings in Anterior Teeth. Color Videotape, (WU-234 E21), Baylor College of Dentistry, 1984.

Ruiz E, **Gutmann JL**. Endodontic Access Openings In Premolar Teeth, Color Videotape, (WU-234 E22), Baylor College of Dentistry, 1984.

Ruiz E, **Gutmann JL**. Endodontic Access Openings in Molar Teeth, Color Videotape, (WU-234 E23), Baylor College of Dentistry, 1984.

Ruiz E, **Gutmann JL**. Tooth Length Determination and Radiographic Technique Color Videotape (WU-234, E24) Baylor College of Dentistry, 1985.

**Gutmann JL**, Osetek E, Dumsha TC. Diagnosis and Management of Endodontic Emergencies - Academy of General Dentistry - Dental Update Program, 1988.

**Gutmann JL**. Application of Contemporary Concepts in Surgical Endodontic Retreatment. Clinical Topics in Dentistry, University of Nebraska-Lincoln, 1993.

**Gutmann JL**, Haapasalo M. Optimizing Root Canal Cleaning and Disinfection, Webinar at [http://www.tulsadental.com/catalog/webinar\\_rightframe.html](http://www.tulsadental.com/catalog/webinar_rightframe.html) Dentsply Tulsa Dental Specialties 2012.

## **F. Book/Media Reviews**

**Gutmann JL**: Surgical Endodontics: A Colour Manual. I. E.Barnes, 1984. International Endodontic Journal 1985

**Gutmann JL**: The Dental Pulp: Biologic Considerations in Dental Procedures, 3rd Edition, S. Seltzer & I.B.Bender, 1984. International Endodontic Journal 1985

**Gutmann JL**: Endodontic Practice, 11th Edition, L.I. Grossman, S. Oliet, C.E. del Rio, 1988. International Endodontic Journal. 1988

**Gutmann JL**: Endodontic Therapy, 4th Edition, F.S. Weine, 1989. International Endodontic Journal. 1988



**Gutmann JL:** Endodontic Radiography: Principles and Clinical Techniques, S.A. Cohn, 1988. International Endodontic Journal. 1990

**Gutmann JL:** Introduction to Dental Local Anaesthesia, H. Evers & G Haepersam, 1990. International Endodontic Journal 1992.

**Gutmann JL:** William John Gies - His Contributions to the Advancement of Dentistry, The William J. Gies Foundation for the Advancement of Dentistry 1992. Bulletin of the History of Dentistry 42:48, 1994.

**Gutmann JL:** Principles and Practice of Endodontics, R. Walton & M. Torabinejad 1996. International Endodontic Journal 29:288, 1996.

**Gutmann JL:** One-Visit Endodontic Treatment CD-Rom. J Endod 26:251, 2000.

**Gutmann JL:** Problems in Endodontics: Etiology, Diagnosis and Treatment. 2009 M. Hülsmann & E. Schäfer. J Endod 36:1597, 2010.

**Gutmann JL.** Endo-Periodontal Lesions 2011. E. Foce, ENDO (London) 5:299-301, 2011.

**Gutmann JL.** A Sixty Year Historical Review of Endodontic Experience and Practice: Trials and Tribulations – The American Association and Board of Endodontists - “Plus Walt Disney’s Very First Film” Dr. John Ide Ingle. J Hist Dent 62(1):31, 2014.

**Gutmann JL.** Mineral Trioxide Aggregate in Dentistry 2014. J Camilleri , Springer; and Mineral Trioxide Aggregate – Properties and Clinical Applications 2014. M Torabinejad, Wiley-Blackwell. Int J Endod Rehabil (In press 2015)

## **F. Editorials/Letters to the Editor**

**Gutmann JL.** Dental Education. Quintessence Int 23:790-791, 1992.

**Gutmann JL.** New Leadership - New Direction: A Time for Introspection, Renewal and Allegiance. Dent Images 32(2):5, 1992

**Gutmann JL.** The Sargenti Technique - A Response. Quintessence Int 24:301-302, 1993.

**Gutmann JL.** Springtime and Marquette - "Our Dental Tradition is Coming Up Roses"  
Dent Images 33(1):6, 1993.

**Gutmann JL.** Endodontics - a time to refocus our priorities. Dent News 2(3):7-8, 1995.

**Gutmann JL.** The future of endodontics - encroachment versus provision of quality patient care. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 81:631, 1996.

**Gutmann JL.** The future of endodontics – wither thou goest? Arab Dental Journal 3(6):8, 1998.

**Gutmann JL.** Membership and commitment. J Endod 26:307, 2000.

**Gutmann JL.** Reliving our heritage. J Endod 26:377, 2000.

**Gutmann JL.** Selfless mentoring. J Endod 26:427-428, 2000.

**Gutmann JL.** Strategic planning. J Endod 26:481, 483, 2000.

**Gutmann JL.** Specialty re-recognition: Is it essential to securing our destiny? J Endod 26: 571, 573, 2000.

**Gutmann JL.** Our foundation – its focus – our future. J Endod 26:625, 2000.

**Gutmann JL.** CEC – culture, education & cuisine in the "Big Easy." J Endod 26:683, 2000.

**Gutmann JL.** Global warming – a good thing for endodontics! J Endod 26:767, 2000.

**Gutmann JL.** To my good friends in Australia – g'day mates (Texas translation – howdy!) Aust Endod J 26:102-103, 2000.

**Gutmann JL.** Knowledge and advocacy – the keys to strengthening endodontics for the future. J Endod 27:135, 2001.

**Gutmann JL.** Dreams – Visions - Realities in Our Destiny. J Endod 27:243, 2001.

**Gutmann JL.** The Future of Dental Education – A Bold Initiative. J South African Dent Assoc 56:225-226, 2001.

**Gutmann JL.** Is endodontics becoming so magnified that it is too narrowly focused? (Guest editorial) Endodontology (India) 2005; 17(2):5-6.

**Gutmann JL.** Cone-Beam Technology. J Am Dent Assoc 142:244-246, 2011.

**Gutmann JL.** Perspectives on the roles of dental hygienists in modern practices. *Dent Today* 30(7):18-19, 2011.

**Gutmann JL.** Minimally invasive dentistry (Endodontics) (Guest Editorial) *J Conserv Dent* 16(4):282-283, 2013.

**Gutmann JL.** Human dentition. *J Amer Dent Assoc* 144(7):766-767, 2013.

**Gutmann JL.** Expanding our horizons while rethinking our treatment procedures. (Guest Editorial) *Int J Endod Rehabil* 1:1-2, 2015

### **G. Research, Grants**

Exxon Education Foundation Impact Program "Guided Design System". Principal Investigator: Dr. William B. Kemp. Co-Investigators: **Drs. James L. Gutmann**, Daniel B. Green, Paul J. Munson, and Joseph K. Witteman. Dec. 1975-Dec. 1976.

A.D. Williams Research Grant, VCU-MCV for project entitled, "An In Vitro Model System for Culturing Intact Rabbit Dental Pulp. "Principal Investigator: **Dr. James L. Gutmann.** \$2,500.

Drew Fund Research Award - "Biologic Activity of the N2 Root Canal Filling Material in Polyethylene Tubes Implanted in the Mandibles of Dogs" Principal Investigator: **Dr. James L. Gutmann.** April 18, 1979 - April 17, 1980. \$2,500.

Research Committee Award - BCDS, UMAB "Immune Response to Anaerobes During Pulpal Infection". Principal Investigator: Dr. William Falker, Jr. Co-Investigators: **Dr. James L. Gutmann**, Bruce Mackler, and Susan Haydek. January 1, 1980 - December 31, 1980. Approved and funded. \$1,500.

Research Committee Award - BCDS, UMAB "Immunopathologic Study of Dental Pulpitis" Principal Investigator: Drs. Bruce Mackler and Bernard Levy. Co-Investigators: Drs. Tod Beckerman, **James L. Gutmann**, Martin Lunin, William A. Falker, Jr., McDonald Hamilton, John Hebel, and George Krywolap. January 1, 1980 - December 31, 1980. Approved and funded. \$30,000.

Research Committee Student Award - BCDS, UMAB "Binding and Immobilization of several Agents in Reconstituted Collagen Gels in Order to Induce Vasularization or Mineralization within the Conjugate Material" Student Investigator: Mr. Steven R. Jefferies. Faculty Advisor: **Dr. James L. Gutmann**, January 1, 1980 - December 31, 1980. Approved and Funded. \$2,500

Edgar J. Jacques Award - "Prostaglandin Levels in Diseased Pulpal and Periapical Tissues" Student Investigator: Mr. Eric Kneussl, Faculty Advisor: **Dr. James L. Gutmann**, June 4, 1981 - June 3, 1982. Approved and funded. \$900

National Institutes of Health - "Immunopathologic Study of Dental Pulpitis." Pincipal Investigator: Drs. Bruce mackler and Bernard Levy. Co-Investigators: Drs. Amara Arafat, **James Gutmann**, William Falker, Jr., Marin Lunin, John Hebel, and George Krywolap. July 1, 1982 - June 30, 1985. Approved and Funded. \$150,000

Unitek Corporation - In-vitro determination of heat transfer to tooth structures during injection and condensation of thermoplasticized gutta-percha and "Evaluation of Periradicular tissue response to injectable thermoplasticized gutta percha". Principal Investigator: **Dr. James L. Gutmann** - Approved and Funded. \$2,600

L.D. Caulk/Dentsply - Biological and clinical evaluation of a revised formulation of gutta-percha. Principal Investigator: **Dr. James L. Gutmann** - Approved and Funded. \$6,844.

Research Committee Award - Baylor College of Dentistry, "Adaptability and Sealability of a Dentin Bonded Light-Cured Composite Root-End Filling Material," Student Investigator: Mr. William R.K. Davidson. Faculty Advisor: **Dr. James L. Gutmann**. January 1991 to June 1991. Approved and Funded. \$1,950.

Research and Education Foundation of the American Association of Endodontists - "Periradicular Healing in Response to Diaket Root-End Filling Material With and Without Tricalcium Phosphate," Student Investigator: Dr. Stephanie L. Snyder. Faculty Thesis Mentor: **Dr. James L. Gutmann**. February 1991 to June 1992. Approved and Funded. \$1,500.

Research Committee Award - Baylor College of Dentistry, "Efficacy of the Apical Seal with Thermafil Root Canal Obturation," Student Investigator. Ms. Le Nguyen. Faculty Advisor: **Dr. James L. Gutmann**. June 1991 to May 1992. Approved and Funded. \$1,455.

Research Committee - Baylor College of Dentistry, "Reliability of Apical Dye Sealability Studies with and without Vacuum Removal of Air Inclusions," Student Investigator: Dr. Robert Roda. Faculty Thesis Mentor: **Dr. James L. Gutmann**. January 1993 to December 1993. Approved and Funded. \$400.

Research Committee - Baylor College of Dentistry. "The Combined Influence of the Angle of Resection and Citric Acid Application on Maintenance of the Apical Seal," Student Investigator: Dr. Carolyn Koenig. Faculty Thesis Mentor: **Dr. James L. Gutmann**. January 1993 to November 1993. Approved and Funded. \$996

Siemens and SET. "Evaluation of the S.E.T. Canal Leader 2000 handpiece for root canal preparation." Principal Investigator: **Dr. James L. Gutmann**. 1993 Approved and Funded \$7425

Baylor College of Dentistry, Intramural Research Funding, "The Effects of Alkaline Phosphatase and Phosphophoryn on Wound Healing Following Periradicular Surgery." Principal Investigator - Dr. David Witherspoon. Faculty Thesis Mentor - **Dr. James L. Gutmann**. 1994 Approved and Funded \$1500

Baylor College of Dentistry, Intramural Research Funding, "The effect of Alkaline Phosphatase and Phosphophoryn on Periradicular Wound Healing When Used as an Intermediate Filling Material." Principal Investigator - Dr. Deborah Creagh. Faculty Thesis Mentor - **Dr. James L. Gutmann**. 1994 Approved and Funded \$1500.

Baylor College of Dentistry, Intramural Research Funding, "Management of Marginal Alveolar Bone Defects During Periradicular Surgery Using the Guidor<sup>®</sup> Bioresorbable Matrix Barrier." Principal Investigator - Dr. James C. Douthitt. Faculty Thesis Mentor - **Dr. James L. Gutmann**. 1995 Approved and Funded \$1500.

American Association of Endodontists Foundation, "Management of Marginal Alveolar Bone Defects During Periradicular Surgery Using the Guidor<sup>®</sup> Bioresorbable Matrix Barrier." Principal Investigator - Dr. James C. Douthitt. Faculty Thesis Mentor - **Dr. James L. Gutmann**. May 1995 Approved and Funded \$1833

American Association of Endodontists Foundation, "The Effects of Alkaline Phosphatase and Phosphophoryn on Wound Healing Following Periradicular Surgery." Principal Investigator - Dr. David Witherspoon. Faculty Thesis Mentor - **Dr. James L. Gutmann**. May 1995 Approved and Funded \$1500.

American Association of Endodontists Foundation, "The effect of Alkaline Phosphatase and Phosphophoryn on Periradicular Wound Healing When Used as an Intermediate Filling Material." Principal Investigator - Dr. Deborah Creagh. Faculty Thesis Mentor - **Dr. James L. Gutmann**. May 1995 Approved and Funded \$2000.

Baylor College of Dentistry, Intramural Research Funding, "Characterization of Black-Pigmented Bacteroides SPP Found in Combined Pulpal-Periodontal Lesions." Principal Investigator - Dr. Vivian Manjarrés. Faculty Mentor - **Dr. James L. Gutmann**. 1996 Approved and Funded \$1191.

William Ben Johnson Foundation, "Periradicular Wound Healing to Various Root-End Filling Materials," Principal Investigator - Dr. David Witherspoon; Co-Investigators - Drs. **James L. Gutmann**, James C. Douthitt, & Constantinos Laghios. 1996 Approved and Funded \$10,507.

American Association of Endodontists Foundation, “The Efficacy of Specific Bone Morphogenetic Proteins to Induce Cementum Deposition on the Resected Root Surface” Principal Investigator - Dr. John D. Regan. Faculty Mentor - **Dr. James L. Gutmann**. 1997 Approved and Funded \$4504.

Texas Higher Education Coordinating Board – Advanced Research Program, “Molecular Biological Characterization of Infectious Diseases of the Dental (Tooth Pulp) and Supporting Structures.” Dr. David E. Witherspoon – PI; **Dr. James L. Gutmann – Co-PI**. Requested \$253,225 (7/97 – reviewed 9/97: not funded)

Baylor College of Dentistry, Intramural Research Funding, “Molecular Biological Assessment of Periradicular Extracellular Matrix Following Simultaneous Surgical Endodontic Treatment and Orthodontic Tooth Movement” Principal - Dr. Julio Gaitan. Faculty Mentor - **Dr. James L. Gutmann**. 1998 Approved and Funded \$1500.

American Association of Endodontists Foundation, “An In-Vivo Microdialysis Model to Characterize the Inflammatory Process in Periradicular Disease” Principal Investigator - Dr. Anthony McNaught. Faculty Mentor - **Dr. James L. Gutmann**. 1998 Approved and Funded \$7806.

American Association of Endodontists Foundation, “Molecular Biological Characterization of Developing Periradicular Lesions in an HIV/AIDS Model” Principal Investigator - Dr. Debora Levine. Faculty Mentor - **Dr. James L. Gutmann**. 1998 Approved and Funded \$19,429.

Baylor College of Dentistry, Intramural Research Funding, “Molecular Biological Characterization of Developing Periradicular Lesions in an HIV/AIDS Model” Principal - Dr. Debora Levine. Faculty Mentor - **Dr. James L. Gutmann**. 1998 Approved and Funded \$1500.

American Association of Endodontists Foundation, “The Effects of Calcium Hydroxide and TGF- $\beta$  on Osteoblast Activity” Principal Investigator - Dr. Andris Jaunberzins. Faculty Mentor - **Dr. James L. Gutmann**. 1998 Approved and Funded \$5070.

American Association of Endodontists Foundation, “Characterization of Neural Changes in the Diabetic Rat and Its Therapeutic Implications ” Principal Investigator - Dr. David Gruber. Faculty Mentor - **Dr. James L. Gutmann**. 1998 Approved and Funded \$16,968.

Baylor College of Dentistry, Intramural Research Funding, “Characterization of Neural Changes in the Diabetic Rat and Its Therapeutic Implications ” Principal Investigator - Dr. David Gruber. Faculty Mentor - **Dr. James L. Gutmann**. 1998 Approved and Funded \$1500.

Dentsply International, “Equivalency Assessment of MTA When Used as a Root-End Filling Material During Endodontic Surgery” Principal Co-Investigators – **Drs. James L. Gutmann** & David E. Witherspoon. 1998 Approved and Funded \$11,500.

American Association of Endodontists Foundation, “In vitro effect of PepGen-15. OsteoGraf N-300 and BioOss on mineralization, TGF-β1 and IL-1 production by osteoblasts” Principal Investigator – Dr. Candice Trasatti. Faculty Mentors – **Drs. James L. Gutmann** & Lynn Opperman. 2001 Approved and Funded \$4000.

American Association of Endodontists Foundation, “Efficacy of pain control following nonsurgical root canal treatment using a combination of acetaminophen and ibuprofen or acetaminophen and codeine in a randomized double-blind single-dose study” Principal Investigator – Dr. Kim Menhinick. Faculty Mentor – **Dr. James L. Gutmann**. 2001 Approved and Funded \$588.

Dentsply Tulsa Dental Specialties – In-Vivo Evaluation of Modified MTA for Use as a Root-Repair and Sealer Material – Investigators John D. Regan and **James L. Gutmann** – 2007/2008 - \$71,000.

## **G. Patents**

Patent US 4,409,332 - October 1982 "Collagen-Enzyme Conjugates that Exhibit No Inflammatory Response and Method for Making the Same." Jefferies S, **Gutmann JL**, Heatfield B.

Patent US 7,838,573 B2 – November 2010 “Gutta-Percha Compositions for Obturating Dental Root Canals.” Primus C, **Gutmann JL**

Patent #US 8,658,712, B2 – Feb. 25, 2014 “Methods of treatment of the dental pulp and filling root canals using water based materials.” Primus C, **Gutmann JL**, Breuer MM, Jefferies SR.

Patent #US 2014/0121280 A1 – May 1, 2014 “Methods of treatment of the dental pulp and filling root canals using water based materials.” Primus C, **Gutmann JL**, Breuer MM, Jefferies SR.

I certify that the citations in this curriculum vitae are a true and accurate documentation of my professional activities and achievements.

A handwritten signature in blue ink that reads "James L. Gutmann". The signature is written in a cursive style with a long horizontal stroke at the end.

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James L. Gutmann, D.D.S.

5-3-2015

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Date