

September 1, 2019

## JOEL HOWARD BERG

### CURRICULUM VITAE

#### CURRENT POSITIONS

Professor Emeritus, Pediatric Dentistry  
University of Washington, School of Dentistry  
Seattle, WA

Chief Dental Officer, Willo, Inc.

Consultant, MCNA Dental

#### CITIZENSHIP

U.S.A.

#### EDUCATION

MS, Oral Biology  
Thesis: "The intrinsic effect of aging on wound healing"  
University of Iowa, Iowa City IA  
August 1985

Certificate in Pediatric Dentistry  
University of Iowa, Iowa City IA  
June 1985

DDS  
University of Iowa, Iowa City IA  
May 1983

BA  
Yeshiva University, New York NY  
June 1978

#### DENTAL LICENSURE

Arizona 9981  
Washington DE00008754  
Pennsylvania DS-029281-R (Inactive)  
Iowa 6958 (Inactive)  
Texas 15553 (Inactive)

#### BOARD CERTIFICATION

Diplomate, American Board of Pediatric Dentistry, March 1991

#### HOSPITAL STAFF APPOINTMENTS

2012 – October 2018      University of Washington Medical Center, Seattle WA  
2003 – October 2018      Seattle Children's Hospital, Seattle WA

## **HOSPITAL STAFF APPOINTMENTS (CONT'D)**

1988 - 1995 Texas Children's Hospital, Houston TX  
1986 - 1995 Hermann Hospital, Houston TX  
1986 - 1995 MD Anderson Hospital, Houston TX

## **ACADEMIC POSITIONS**

October 2018-Present Professor Emeritus, Department of Pediatric Dentistry, University of Washington, Seattle, WA  
October 2017 – Oct 2018 Professor, Department of Pediatric Dentistry, University of Washington, Seattle, WA  
Aug 2012 – October 2017 Dean, School of Dentistry, University of Washington, Seattle, WA  
Oct 2009 – Aug 2012 Associate Dean for Hospital Affairs, School of Dentistry, University of Washington, Seattle WA  
Aug 2006 - Aug 2012 Director, Department of Dentistry, Seattle Children's Hospital, Seattle WA  
Sept 2004 – July 2018 Lloyd and Kay Chapman Chair for Oral Health, University of Washington, Seattle WA  
Jul 2003 – Oct 2018 Member, Graduate Faculty, Graduate School, University of Washington, Seattle WA  
Feb 2003 – Oct 2018 Professor with Tenure, Department of Pediatric Dentistry, School of Dentistry, University of Washington, Seattle WA  
Feb 2003 – Aug 2012 Chair, Department of Pediatric Dentistry, School of Dentistry, University of Washington, Seattle WA  
Feb 1996 - Sep 2004 Adjunct Associate Professor, Department of Pediatric Dentistry, School of Dental Medicine, University of Pennsylvania, Philadelphia PA  
Mar 1995 - Dec 2004 Clinical Associate Professor, Department of Pediatric Dentistry, Houston Health Science Center-Dental Branch, University of Texas, Houston TX  
Jun 1990 - Mar 1995 Associate Professor with Tenure, Department of Pediatric Dentistry, Houston Health Science Center-Dental Branch, University of Texas, Houston TX  
Sept 1989 - Mar 1995 Associate Professor, Department of Pediatrics, Houston Health Science Center-Dental Branch, University of Texas, Houston TX  
Oct 1988 - Mar 1995 Director, Postgraduate Program in Pediatric Dentistry, Department of Pediatric Dentistry, Houston Health Science Center-Dental Branch, University of Texas, Houston TX  
Jul 1985 - Aug 1989 Assistant Professor, The Department of Pediatric Dentistry, Houston Health Science Center-Dental Branch, University of Texas, Houston TX  
Jul 1979 - Jun 1983 Research Assistant, Dows Institute for Dental Research, Iowa City IA

## **INDUSTRY POSITIONS**

Oct 2018-Present Chief Dental Officer, Willo, Inc. New York, NY. Responsible for clinical affairs, clinical research and related activities for startup developing an oral care device.  
Mar 2000 - Feb 2003 Vice President for Clinical Affairs, Philips Oral Healthcare Corporation Snoqualmie, WA  
Responsible for: clinical research, including internal and external trials; regulatory issues and clinical advising activities; coordination of scientific and clinical team with management team; advising in the development of new business and professional strategies.  
Dec 1997 - Mar 2000 Head of the Scientific Department, ESPE Dental AG Seefeld, Germany  
Responsible for: Global management of Clinical Research and Regulatory Affairs Departments, including toxicology; interface between Marketing and Research & Development Departments; creation and maintenance of expert contacts.  
Member of the New Business Development Team responsible for: development of new scientific activities in Asia, Australia, and Europe; global management and coordination of the company's external scientific activities; management of scientific information pertinent to marketing in relation to product launches; financial and administrative management of global scientific organization.

- Mar 1995 - Mar 2000      Executive Vice President for Research and Clinical Affairs, ESPE America, Inc, Norristown, PA.  
 Responsible for: Development of scientific infrastructure for American operation of Global Dental Company; creation and maintenance of expert contacts/relationships, management of clinical trials, seek new product ideas-screening and bringing information to parent company.INDUSTRY POSITIONS (CONT'D)
- Mar 1995 - Dec 1995      Vice President, Research and Development, IONOS-America, Inc.
- Mar 1992 - Mar 1995      Clinical Research Consultant & FDA Coordinator, IONOS-America, Inc.  
 Initiated and managed clinical trials in pursuit of product registration for two different medical devices used in the field of Otolaryngology in the U.S; managed information and provided interface between U.S. and German operations; managed IONOS-America business operation.

**HONORS AND AWARDS**

- Pediatric Dentist of the Year 2016, American Academy of Pediatric Dentistry  
 Washington Dental Service Distinguished Professor, 2011 - 2013  
 Academician of the Year, World Congress of Minimally Invasive Dentistry, 2008  
 Fellow, Pierre Fauchard Academy, 2006  
 Alan J. Davis/SCADA Achievement Award, 2005  
 Fellow, American College of Dentists, 1994  
 Fellow, International College of Dentists, 1993  
 Member, Omnikron Kappa Upsilon (OKU), Dental Honor Society, 1992 - Present  
 Graduate Student Research Award, American Academy of Pediatric Dentistry, 1986  
 Max Smith Young Investigator Award, University of Iowa College of Dentistry, March 1985  
 Dentsply Student Clinician Award, Student Conference on Dental Research, Farmington CT. April 1982  
 Dean's Leadership Award, University of Iowa College of Dentistry, 1981, 1982, 1983  
 University of Iowa Representative, Student Table Clinic Competition at ADA Annual Session, New Orleans LA. Oct. 1980  
 Winner, Student Table Clinic Competition at University of Iowa College of Dentistry, Presentation: "Cellular Parameters of Epithelial Morphologies in the Mouse." November 1979  
 Member, Alpha Psi Omega Dramatics Honor Society, Yeshiva University, 1978  
 Superintendent's Award for Excellence in Science, Theodore Roosevelt High School, Des Moines IA. June 1974

**PROFESSIONAL ORGANIZATIONS**

- Member, American Dental Association  
 Fellow, American Academy of Pediatric Dentistry  
 Member, International Academy of Pediatric Dentistry  
 Member, Arizona State Dental Association Member,  
 International Association for Dental Research  
 American Dental Education Association or, American  
 Academy of Esthetic Dentistry Member,  
 Member, Western Society of Pediatric Dentistry  
 Member, Alpha Omega Speakers Bureau

## **SERVICE ACTIVITIES - ACADEMIC**

### **University of Washington**

Member, Interdisciplinary Pathobiology Program Academic Program Review Committee 2016  
Chair, University of Washington Community Engagement & Service Committee 2015 – 2018  
Chair, Board of Health Sciences Deans, University of Washington 2014 - 2017  
Member, University of Washington Sustainable Academic Business Plan Work Group 2015 – 2017  
Chair, UW School of Dentistry Accreditation Standard 1 Committee 2014 - 2016  
Member, University of Washington IT Strategy Board 2014 – 2017  
Doctoral Supervisory Committee for Lee Zhang, 2011 – 2013  
Research Associate Mentor, Kevin Psoter, Epidemiology PhD Student, 2007 - 2009  
Chair of Faculty Practice Plan Board, School of Dentistry, 2005 - 2007  
Chair of the Search Committee to select a Chair for Restorative Dentistry, School of Dentistry, 2005 – 2007  
Restorative Department Promotion Review Committee, Department of Pediatric Dentistry, School of Dentistry, 2004  
Doctoral Supervisory Committee for James B. Westphal, 2004 - 2007

### **University of Texas Houston Health Science Center - Medical School**

Member, Clinic Advisory Committee, Department of Pediatrics, 1990 - 1995

### **University of Texas Houston Health Science Center**

Member, Advisory Committee, Biomaterials Research Center, 1995 - 2002  
Member, Executive Committee, Biomaterials Research Center, 1994 - 1999  
Member, Core Curriculum Task Force, 1992 -1995  
Member, President's 5520 Replacement Task Force, 1990 - 1992  
Member, Interfaculty Council, 1990 - 1992  
Member, Academic Computing Committee, 1989 - 1995

### **University of Texas, Houston Health Science Center - Dental Branch**

Member, Faculty Development Leave Committee, 1994 - 1995  
Member, Appointment, Promotion and Tenure Committee, 1992 - 1994  
Chair, Clinical Affairs Committee, 1992 - 1993  
Chair, Subcommittee on Clinical Research, 1990 - 1992  
Chair, ad-hoc Computer Committee, 1990 - 1992  
Advisor, Student Research Group, 1986 - 1990  
Member, Research Committee, 1986 - 1992, 1994 -1995  
Chair, Library Committee, 1988 -1992  
Chair, Subcommittee on Clinical Sciences of the ad-hoc Committee on Accreditation, 1988 - 1990

### **University of Iowa College of Dentistry**

President, Iowa Pediatric Dentistry Alumni Association, 1987 - 1988  
Chairman, Apollonian Frolic Committee, 1982 - 1983  
Chairman, Student Table Clinic Program Committee, 1981

## **SERVICE ACTIVITIES - NATIONAL**

### **American Association of Dental Schools**

Chair, Council of Hospitals Administrative Board, 1997 - 1998  
Chair, Postdoctoral Dental Match Program Steering Committee, 1993 - 1995  
Chair, Pediatric Dentistry Section, 1990 – 1991  
Secretary, Pediatric Dentistry Section, 1988 - 1989  
Chair, Videodisc Formulation Committee, Pediatric Dentistry Division, 1986 - 1987  
Chair, Committee on Applicants to Postgraduate Programs, Pediatric Dentistry Section, 1986 - 1994

## **SERVICE ACTIVITIES - NATIONAL (CONT'D)**

### **American Academy of Pediatric Dentistry**

Chair, Leadership Development Committee, May 2017-Present  
Pedo Teeth Talk Podcast – Host 2017-present  
President, May 2012 – May 2013  
President-Elect, May 2011 – May 2012  
Vice President, May 2010 – May 2011  
Secretary/Treasurer, 2009 - 2010  
District VI Trustee, Board of Directors, 2006 - 2009  
Member, Budget and Finance Committee, 2006 - 2009  
Member, Subcommittee on Development of Postdoctoral Standards for Pediatric Dentistry, 1990 - 1996  
Chair, Abstract Evaluation Subcommittee, 1989 - 1994  
Member, Research Committee, 1986 – 1994

### **American Academy of Pediatric Dentistry Foundation**

Immediate Past President, 2006-2010  
Member, Capital Campaign Steering Committee, May 2003 - 2005  
President 2001 - 2006  
Secretary Treasurer, 2000 - 2001  
Advisory Trustee, 1997 - 2001

### **American Board of Pediatric Dentistry**

Chair, Advisory Board, Part I Written Exam Construction Committee, 1999 - 2004  
Director, College of Diplomates, 1999 - 2004

### **American Dental Association**

Member, Committee on Specialty Recognition (G) of the Council of Dental Education and Licensure, 2007 – 2010  
Consultant, Council on Dental Practice, 1993 - 1995  
Consultant, Commission on Dental Accreditation, 1991 - 1995  
Member, Special ad-hoc of the Council on Dental Education to Examine the Overlap in Scope between Orthodontics and Pediatric Dentistry, 1990 - 1992

### **American Friends of Dental Volunteers for Israel**

Member, Honorary Council, 2012 –2013

### **Omicron Kappa Upsilon (OKU)**

President, Dental Honor Society, 2018-19

### **Dental Manufacturers of America**

Member, Electronic Environment Committee, 1995 - 1998

### **Friends of National Institute of Craniofacial Research**

Member, Board of Directors, 1999 - 2004

### **Student Clinicians, Board of Directors - American Dental Association**

President, 2009 - 2010  
Secretary Treasurer, 2007 - 2008

## **BOARD MEMBERSHIPS**

### **Editorial Boards:**

Dear Doctor – Dentistry & Oral Health, 2014 - 2017  
The Journal of Contemporary Dental Practice, 2011-2016  
Compendium of Continuing Education in Dentistry  
- Editorial Board Member, 2011 - Present  
- Section Editor, 2013-present  
Journal of Esthetic and Restorative Dentistry, 2010 - Present  
Dimensions in Dental Hygiene, 2011 - Present

## **BOARD MEMBERSHIPS (CONT'D)**

Pediatric Dentistry, 2009 – 2011  
Journal of Interdisciplinary Dentistry, 2007 – 2009  
Journal of Evidence-Based Dental Practice, 2006 - 2010  
Inside Dentistry, 2005 - Present  
Journal of Dentistry for Children, 2005 - 2009  
Dental Traumatology, 2000 - 2005

### **Advisory Boards:**

Consumer Guide to Dentistry, 2009 - 2011  
Oral Health Advisory Board, Henry Schein, Inc., 2008 – 2013  
CRA Foundation Board of Directors, 2006 - 2008  
Parent Television Network, 2006 - 2009  
National Children's Oral Health Foundation, 2005 – 2008

## **TEACHING AND ADMINISTRATION**

### **School of Dentistry, University of Washington**

Dental Admissions Clinic Attending, 2015-2016  
Oral Diagnosis and Treatment Planning Clerkship Attending 2015-2016  
DENTPC 565A-C: Conversations in Practice Management, 2015 -2017  
Practice Management Co-Thread Champion 2015 -2017

### **Department of Pediatric Dentistry, School of Dentistry, University of Washington**

Department Chair, 2003 – 2012  
Courses Taught 2002 - Present: "Directed Studies in Pediatric Dentistry," "Clinical Pediatric Dentistry," "Pediatric Dentistry Extramurals," and "Clinical Clerkship in Pediatric Dentistry: Yakima Valley"

### **Houston Health Science Center - Dental Branch, University of Texas**

Clinical Director, Postdoctoral Program in Pediatric Dentistry, 1988 - 1995  
Coordinator, Staffing of Resident Operations at Dental Oncology and Hemophilia Clinics, 1986 - 1993  
Courses Taught 1986 - 1995: "Preventive Dentistry for Children," "Information Gathering, Diagnosis and Treatment," "Introduction to Microcomputers in Dentistry," and "Introduction to Hemostasis"

### **University of Pennsylvania**

Lecturer, 3rd Year Pediatric Dentistry Courses: "Preventive Dentistry for Children" and "Restorative Materials for Children,"  
University of Pennsylvania, Philadelphia PA, September 1998, September 1997, October 1996, October 1995  
Lecturer, Predoctoral Pediatric Dentistry Course, 1996 - 2003

### **University of Munich, Germany**

Lecturer, Predoctoral Pediatric Dentistry Curriculum, 1998 - 2000

## **PATIENT CARE**

Currently Practice in Pediatric Dentistry in the Phoenix Arizona area

## **RESEARCH SUPPORT - GOVERNMENT**

eGC1 A121599 Multispectral near-infrared imaging of dental caries in children  
NIH (\$132,165)  
PI: Seibel  
Project Period: 03/01/2017 – 02/28/2018  
Role: Co-PI  
Goal: To provide multispectral imaging of dental caries in children

MAA ABCD Match  
DHHS (\$1,212,000)  
PI: Berg

## **RESEARCH SUPPORT – GOVERNMENT (CONT'D)**

Project Period: 01/01/2008 – 06/30/2010

Role: PI

Goal: To assist HRSA in administering the EPSDT program to Medicaid eligible children through the MAM program, including identifying and facilitate the enrollment of potential Medicaid clients into the Medicaid program and removing barriers to accessing Medicaid services.

U01 DE16750-01 Network Chair for the Pacific Northwest DPBRN

NIH/NIDCR (\$22,163,855 total for all grant components)

PI: DeRouen

Project Period: 04/01/2005 - 03/31/2012

Role: Investigator

Goal: To establish the Northwest PRECEDENT (Practice-based Research Collaborative in Evidence-based Dentistry) Network.

D30HP20032-03 Pediatric Dental Residents into Rural Areas (PEDiR)

HRSA (\$1,134,748 total for grant)

PI: Berg

Project Period: 07/01/2004 - 06/30/2007

Role: PI

Goal: To expand the accredited UW pediatric dentistry residency program by developing a sustainable, community-based pediatric dentistry residency track in a migrant health center in Yakima County, Washington, that can be adapted elsewhere.

N12607 DOH Workgroup

Washington State Department of Health (\$21,128)

04/01/2004 - 06/30/2005

Role: PI

Goal: To provide facilitation, participation and staff support for a State of Washington workgroup to respond to the legislative budget proviso concerning oral health interventions.

NIDR (co-investigator), "Oral Diagnosis of HIV infected Hemophiliac Children," (\$517,000), 1990 - 1993.

BRSB (co-investigator), "Oral Diagnosis of HIV Infected Children," (\$8,000), 1989.

BRSB, "The Role of TGF- $\beta$  on Connective Tissue/Epithelial Interactions in Oral Mucosa," (\$5,000), 1988.

BRSB, "Computer Monitoring of Fluoride Release from Different Restorative Materials," (\$2,600), 1987.

BRSB, "The Influence of Cryogenic Treatment on the Wear Resistance and Temperature Exchange of Dental Burs," (\$2,400) 1987.

## **RESEARCH SUPPORT – INDUSTRY**

DMG Dental Material Gesellschaft mbH, "Clinical Efficacy of Caries Infiltration (Icon) - A Randomized, Blinded and Controlled Pilot Study of Early Caries Progression Detection" PI: Berg, 2014

Dentsply International, "Yakima Crown Study," (\$73,749) PI: Berg, 2009

3M ESPE, "Clinical Evaluation of a Novel Resin Modified Nano Glass Ionomer Restorative Glass Ionomer Restorative in Class I & II Restorations in Primary Molar Teeth," (\$46,360) PI: Berg, 2008

Dentsply International, "Acetal Crown Study," (\$73,740) PI: Berg, 2007

3M ESPE, "One Year Clinical Assessment for Clinpro Sealant Placed with Either Self-Etching Adhesive or Conventional Acid Conditioning," (\$40,000), 2005

Children's Miracle Network Telethon, "Fluoride Analysis for Indigent Children," (\$4,200), 1993

ESPE Dental AG, "Prevention of Palatal Grooves in Pre-Term/Low Birth-Weight Infants," (\$2,200), 1993

Children's Miracle Network Telethon, "Fluoride Analysis for Indigent Children," (\$4,600), 1992

ESPE Dental AG, "Comparison of Scotch Bond II and Pertac Universal Bond in Class V Restorations," (\$4,500), 1992

Children's Miracle Network Telethon, "Access to Pediatric Dental Services for Indigent Children," (\$12,000), 1992

Children's Miracle Network Telethon, "Pediatric Dental Services in the Emergency Room," (\$61,000), 1990

Procter and Gamble Co., "Prevention of Candidiasis in HIV+ Individuals: A Multi-center Trial," (\$110,000), 1990

## **RESEARCH SUPPORT – INDUSTRY (CONT'D)**

Children's Miracle Network Telethon, "Pediatric Dental Services to Treat Pre-Term/Low Birth-Weight Infants, Hemophiliacs, and other Medically Compromised Children," (\$23,000), 1989

Procter and Gamble Co., "Use of Chlorhexidine in HIV+Hemophiliac Children: A Double Blind Placebo Controlled Trial," (\$20,000), 1989

Gillette Company, "Effect of Toothpaste Flavor on Tooth-brushing: A Double Blind Trial," (\$2,750), 1989

ESPE Dental AG, "Clinical Implementation Studies Using Glass Ionomer Materials in Children-Phase 1," (\$36,000), 1988

ESPE Dental AG, "An Experimental Review of Glass Ionomers in Primary Teeth," (\$3,853), 1987

Premier Dental Products Co., "A Comparison of Techniques for Restoring Primary Teeth," (\$700) 1986

## **RESEARCH SUPPORT – FOUNDATIONS**

"Laser Imaging for Early Caries Detection and Cost-Effective Oral Health"

Life Sciences Discover Fund (\$150,000)

PI: Eric Siebel

Project Period: 2010-2012

Role: Co-Investigator

## **STUDENT PRESENTATIONS SPONSORED**

"Prevention of Palatal Grooving in Pre-Term/Low Birth-Weight Infants" (Presented by LM Fox), Greater Houston Dental Meeting, (first place) March 1994

"The Effect of Toothpaste Fluoride and Toothbrushing" (Presented by R Dickens et al and D Foster), Greater Houston Dental Meeting, (second place) March 1990  
"Disinfecting Impressions: The Facts, The Fiction, The Realities" (Presented by L Brock), Greater Houston Dental Meeting (winner, Dentsply Table Clinic Award and winner ADA First Place Student Clinicians Competition), March 1989

"Fluorides Prescription Practices of Pediatricians" (Presented by A Wood), Greater Houston Dental Meeting, March 1989

"Conservative Technique for Restoring Primary Incisors after Pulpectomy" (Presented by S Armstrong), Greater Houston Dental Meeting, March 1988

"Relationship between Radiographic and Histologic Pulp Disease in Primary Molars: A SEM Analysis" (Presented by F Raab), Greater Houston Dental Meeting, March 1988 (first place winner)

"Glass Ionomer: The Fluoride Releasing Pit and Fissure Sealant" (Presented by L Brock), Greater Houston Dental Meeting, March 1988

"Treatment Planning for Fluoride Therapy" (Presented by R Ellis), Greater Houston Dental Meeting, February 1987

"The Rubber Dam: Isolation Techniques for the 80's" (Presented by A Dowell), Greater Houston Dental Meeting, February 1987

"A Comparison of the Micro-leakage of Cements used with Stainless Steel Crowns" (Presented by D Pettey), Greater Houston Dental Meeting, (second place winner) February 1987

"The Smear Layer and the Primary Dentition" (Presented by R Conrad), Greater Houston Dental Meeting, (second place winner) February 1987

"Restoring Primary Teeth: Which Material Should We Use?" (Presented by A Dowell), Greater Houston Dental Meeting, February 1987

"Oral Manifestation of Bulimia Nervosa" (Presented by MC Frank), Greater Houston Dental Meeting, (third place winner) February 1986

## **STUDENT ADVISING**

### **Graduate Thesis Committee**

Member. Scott Tsukamaki, Semantics of Control Systems, 2017.

### **Graduate Thesis Committee**

Member. Dr. Yoo-Lee Yea, A Comparison of Early Childhood Caries Risk Assessment Techniques in a Pediatric Medical Clinic, 2006.



## **STUDENT ADVISING (CONT'D)**

### **Graduate Thesis Committee**

Chair. Dr. Kristin A. Johannsen, A Methodological Evaluation of "Still" Difoti (Digital Imaging Fiber Optic Transillumination) Images Versus Radiographs in Primary Molars, 2005.

### **External Reviewer**

Dr. Al-Jundi. King Fahd University, Saudi Arabia.  
Sharath Asokan. Meenakshi Ammal Dental College. India.

## **SELECTED CONTINUING EDUCATION COURSES GIVEN**

Lecturer, "Medical Management of Dental Caries," Winnipeg Dental Society, Winnipeg, Canada, April 7, 2017.

Co-Course Director, International Digital Dentistry Symposium, Seattle, WA, March 27, 2017.

Lecturer, "Medical Management of Dental Caries," University of Washington School of Dentistry, Honolulu, HI, March 10, 2017.

Lecturer, "Use of Silver Diamine Fluoride in Caries Treatment for Children," University of Washington School of Dentistry, February 10, 2017.

Lecturer, "The Dentist of the Future and the Future of Dentistry," Pierce County Dental Society, Tacoma, WA, January 17, 2017

Lecturer, "Medical Management of Dental Caries," Clark County Dental Society Meeting, Vancouver, WA October 6, 2016

Lecturer, "Medical Management of Dental Caries in Children & Adults," Arizona Dental Association, Tucson, AZ, September 16, 2016

Lecturer, "Medical Management of Dental Caries in Children: Enter Silver Diamine Fluoride," American Academy of Pediatric Dentistry Annual Session, San Antonio, TX, May 28, 2016.

Lecturer, "Shaping Tomorrow's Oral Physicians: Two Approaches to Curricular Reform-Chair," ADEA Annual Session 2016, Denver, CO, March 14, 2016.

Lecturer, "Caries is Not Binary, What Professionals and Consumers are Learning," Yankee Dental Congress, Boston, MA, January 30, 2016.

Lecturer, "Make an Infant and Toddler Program Work in Your Office," Yankee Dental Congress, Boston, MA, January 29, 2016.

Lecturer, "Restorative Dentistry for Children," Greater New York Dental Meeting, New York, NY, November 29, 2015.

Lecturer, "Behavior Assessment and Management in Pediatric Dentistry," Greater New York Dental Meeting, New York, NY, November 29, 2015.

Lecturer, "Creating an Infant and Toddler Friendly Practice," Greater New York Dental Meeting, New York, NY, November 28, 2015.

Lecturer, "Medical Management of Dental Caries," Greater New York Dental Meetings, New York, NY, November 28, 2015.

Lecturer, "The Management of the Continuum of Dental Caries," Maryland Academy of Pediatric Dentistry, Columbia, MD, October 23, 2015.

Lecturer, "Caries Is Not Binary: How What Professionals and Consumers Are Learning Will Change the Way We Practice," California Dental Association, San Francisco, CA, August 8, 2015.

Lecturer, "Caries Is Not Binary: How What Professionals and Consumers Are Learning Will Change the Way We Practice," American Academy of Pediatric Dentistry Annual Session, Seattle, WA, May 22, 2015.

Lecturer, "The Changing Trends and Direction of Dentistry and How Dental Education Should Adjust in Order to Best Train the Dentist of the Future," Walla Walla Dental Society Meeting, Walla Walla, WA, April 30, 2015.

Lecturer, "The Caries Management Continuum: Treating Caries as a Disease," Northwest Dental Conference, Spokane, WA, April 17, 2015.

Lecturer, "Bridging the Gap between Medicine & Dentistry," Second Annual Eastern WA Medical-Dental Health Summit, TriCities, WA, March 6, 2015.

Lecturer, "Glass Ionomer Cements," AAP Update on Pediatric Restorative Dentistry Symposium, Miami, FL, November 13, 2014.

Lecturer, "Managing Caries in Children: Be A Knife Doctor and a Pill Doctor," 3<sup>rd</sup> Annual Central Texas Dental Symposium, Austin, TX, April 19, 2013.

Lecturer, "Preventive and Prophylactic Dental Care: The Complementary Roles of the Primary Care Physician and Dental Partner," *Practical Pediatrics*, Seattle Children's Hospital, Seattle, WA, February 5, 2011.

## **SELECTED CONTINUING EDUCATION COURSES GIVEN (CONT'D)**

- Lecturer, "Common Issues in Pediatric Dentistry: Cases for the Primary Care Physician," Practical Pediatrics, Seattle Children's Hospital, Seattle, WA, February 5, 2011.
- Lecturer, "Caries Management for Children - Knife Doctor AND Pill Doctor," Annual Meeting of the Israeli Society of Dentistry for Children, December 17, 2010.
- Lecturer, "Caries Management for Children - Knife Doctor AND Pill Doctor," Singapore T-32 Dental Center. Singapore, December 5, 2010.
- Lecturer, "Open Wide: An Examination of the International Oral Health Crisis," Washington Global Health Alliance Discovery Series lecture, Seattle, WA, November 1, 2010.
- Lecturer, "Access to Baby and Child Dentistry," 2010 Institute for Oral Health National Conference, Scottsdale, AZ, October 28, 2010.
- Lecturer, "Glass Ionomer Sealants," Symposium on ECC in American Indian and Alaska Native Children, Rapid City, SD. October 20, 2010.
- Lecturer, "Caries Management for Children," ADA Annual Meeting, Orlando, FL. October 11, 2010.
- Lecturer, "Building an Infant and Toddler Friendly Practice," 140<sup>th</sup> Annual Session of the Texas Dental Association, Dallas, TX, May 7, 2010
- Lecturer, "Restorative Dentistry for Children," 140<sup>th</sup> Annual Session of the Texas Dental Association, Dallas, TX, May 6, 2010
- Lecturer, "From Glass Ionomer to Resin Composite: Restorative Options for Children," California Society of Pediatric Dentistry, 35<sup>th</sup> Annual Meeting, Cancun Mexico, April 10, 2010
- Lecturer, "Caries Management for Children - Knife Doctor AND Pill Doctor," Dentsply Presentation. Midland/Odessa, TX, February 19, 2010
- Lecturer, "Bring Down Your Patient Median Age: Build an Infant and Toddler Program in Your Office – The ABCD Approach," Dallas County Dental Society, Southwest Dental Conference. Dallas, TX, January 22, 2010
- Lecturer, "Caries Management for Children: New Technologies, New Assessment, New Practice," Dallas County Dental Society, Southwest Dental Conference. Dallas, TX, January 21, 2010
- Lecturer, "Caries Management for Children - Knife Doctor AND Pill Doctor," Southeastern Society of Pediatric Dentistry Annual Meeting, The Best of Dentistry (Through the Lens of a Pediatric Dentistry). Atlanta, GA, January 8-10, 2010
- Lecturer, "The Importance of Managing Early Childhood Caries," American Academy of Pediatric Dentistry, Symposium on the Prevention and Management of Early Childhood Caries. Chicago, IL, October 23-24, 2010
- Lecturer, "Stainless Steel Crowns," Hu-Friedy NNOHA & Pedo Crowns Session, Denver, CO, November 11, 2013.
- Course Moderator, "The World of Technology," American Academy of Pediatric Dentistry Annual Session, Honolulu, HI, May 21, 2009
- Lecturer, "Make an Infant and Toddler Program Work in Your Office," Michigan Dental Association Annual Session, Lansing, MI April 24, 2009
- Lecturer, "Restorative Dentistry for Children," Michigan Dental Association Annual Session, Lansing, MI April 24, 2009
- Lecturer, "Caries Management for Children – Knife Doctor AND Pill Doctor," Indiana Dental Association Indianapolis, IN, November 13-14, 2008
- Lecturer, "Caries Management for Children – Knife Doctor AND Pill Doctor': An Update in Pediatric Dentistry," University of Victoria, Victoria, BC, November 9, 2008
- Lecturer, "Caries Management for Children, Knife Doctor and Pill Doctor," Thurston-Mason Counties Dental Society, Olympia, WA, February 8, 2008
- Course Presenter, "Caries Management for Children, Knife Doctor and Pill Doctor," The James Steiner Lectures, Cincinnati Children's Hospital Medical Center, November 12, 2007
- Lecturer, "Caries Management by Risk Assessment," Portland Lecture; November 18, 2005
- Lecturer, "Restorative Dentistry for Children," Current Concepts in Dentistry, University of Victoria, BC; November 11, 2005
- Lecturer, "Access to Baby and Child Dentistry," Continuing Dental Education Cruise; September 2-5, 2005

## **SELECTED CONTINUING EDUCATION COURSES GIVEN (CONT'D)**

- Keynote Speaker, "What's new in caries management?" Pediatric Dentistry Affiliate Course, University of Washington; July 2004
- Course Presenter, "Pediatric Dentistry Update: Use the Newest Restorative Materials: Learn How, When and Why," University of Washington; January 30, 2004
- Course Presenter, "Interactions between Preventive Dentistry and Restorative Dentistry," Louisiana State University's 6th Annual Symposium, Cosmetic Dentistry for the Pediatric Patient – VI; October 3, 2003
- Course Director and Presenter, "Restorative Dentistry for Children: What's New?" UCSF; December 6, 2002
- Course Presenter, "Biofilms – a better way of looking at plaque," Boston University Goodman School of Dental Medicine, Electric Toothbrush Forum; October 26, 2002
- Course Presenter, "Pediatric Dental Materials," University of Washington; April 19, 2002
- Course Presenter, "Evolving Technologies: A Look into the Future," American Academy of Pediatric Dentistry, Las Vegas, Nevada; March 15, 2002
- Course Presenter and Coordinator/Moderator, "Restorative Dentistry for the Pediatric Dentist," American Academy of Pediatric Dentistry; May 24, 2001
- Course Director and Presenter, "Decision Making and Selection of Modern Restorative Materials for Children," SWSPD; July 2000
- Program Co-Chair, "Tissue Engineering in Dentistry," meeting of The Academy of Dental Materials, Tempe, Arizona; October 28-30, 1999
- Course Director and Presenter, "Update in Restorative Dentistry," University of Iowa College of Dentistry, Iowa City, Iowa; September 1999
- Audio Tape Guest Presenter, "Minimally Invasive Dentistry," in Practical Reviews in Pediatric Dentistry, Oakstone Publishing Company; March 1999
- Course Director and Presenter, "Restorative Materials for Pediatric Dentistry – What You Should Know Today and Where Are We Going," American Academy of Pediatric Dentistry, Continuing Education Course; May 22, 1997
- Course Director and Presenter, "Upgrading Practice Productivity & Patient Management through Dental Office Computerization," California Dental Association Meeting, San Francisco, CA; August 1994
- Symposium Director, "Dental Care for Children with Cancer," MD Anderson Cancer Center and the American Academy of Pediatric Dentistry; November 12-14, 1993
- Course Director and Presenter, "Selecting a Computer System for your Dental Office," UTH-HSC; June 1991
- Course Director and Presenter, "Clinical Use of Glass Ionomers in Children," UTDB; April 1989
- Course Director and Presenter, "Automate Your Office Management with a Microcomputer," UTDB; June 1988 (2 day course)
- Course Director and Presenter, "Clinical Use of Glass Ionomers in Children," UTDB; November 1987
- Course Director and Presenter, "Space Maintenance for the General Practitioner," UTDB; May 1987

## **SELECTED INVITED PRESENTATIONS**

- "Medical Management of Dental Caries," Benton Franklin Dental Society Meeting, Tri-Cities, WA, April 20, 2017.
- "Medical Management of Dental Caries," Yakima Dental Society Meeting, Yakima, WA, January 26, 2017.
- "Medical Management of Dental Caries," Seattle King County Dental Society Meeting, Seattle, WA, January 24, 2017.
- "Medical Management of Dental Caries," Spokane Dental Society Meeting, Spokane, WA, January 10, 2017.
- "The Continuum of Caries Management," Mount Baker Dental Society Meeting, Bellingham, WA, September 13, 2016.
- "UW Dentist of the Future Curriculum," Benton-Franklin Dental Society Meeting, Kennewick, WA, April 21, 2016.
- "The Dentist of the Future and the Future of Dentistry," Spokane Dental Society Meeting, Spokane, WA, March 8, 2016.

## **SELECTED INVITED PRESENTATIONS (CONT'D)**

- "New Concepts in Dental Caries Management," Pierce County Dental Society, Tacoma, WA, January 23, 2016.
- "The Continuum of Caries Management," Chung Shan Medical University, Taichung, Taiwan, December 14, 2015.
- "Educating the Dentist of the Future," Yakima Dental Society Meeting, Yakima, WA, October 29, 2015.
- "Educating the Dentist of the Future," Chinese Society of Pediatric Dentistry Summit Meeting on Development of Dental Medicine & 80th Anniversary Celebration, Xi'an, China, October 17, 2015.
- "The Continuum of Caries Management," Canadian Academy of Pediatric Dentistry Annual Meeting, Halifax, Nova Scotia, September 25, 2015.
- "UW School of Dentistry Dentist of Future," Pierce County Dental Society Meeting, Tacoma, WA, January 20, 2015.
- "The Caries Management Continuum," College of Diplomats of the ABPD Fall Study Club, Newberg, OR, October 17-18, 2014.
- "How Dentistry and Dental Education are Evolving: The UW perspective," Spokane Dental Society Meeting, Spokane, WA, May 13, 2014.
- "How Dentistry and Dental Education are Evolving: The UW perspective," Benton Franklin Dental Society Meeting, Richland, WA, April 17, 2014.
- "Caries Management for Children – be a Knife Doctor AND a Pill Doctor," Star of the South Dental Meeting, Houston, TX, March 28, 2014.
- "The Continuum of Caries Management Needs in Children," Big Apple Dental Conference, Mahwah, NJ, March 19, 2014
- "Linking the Trends to Create a Vision for the Dentist of the Future," California Dental Association IPE Conference, February 3, 2014
- "How Dentistry is Changing and How Dental Education Needs to be Changed," Chulalongkorn University, Bangkok, Thailand, January 27, 2014.
- "How Dentistry is Changing and How Dental Education Needs to be Changed," Fourth Military University, Xi An, China, January 23, 2014.
- "How Dentistry is Changing and How Dental Education Needs to be Changed," Tokyo Medical and Dental University, Tokyo, Japan, January 21, 2014.
- "Preparing the School of Dentistry for the Dentist of the Future," Kitsap County Dental Society Meeting, Bremerton, WA, December 10, 2013.
- "The Continuum of Dental Caries Management," Washington State Dental Hygienist Association House of Delegates, Richland, WA, October 3-4, 2013.
- "Assessment and Medical Management of Caries," 7th Annual Clifton O. Dummett, Jr., Memorial Lecture, New Orleans, LA, September 20, 2013.
- "The Continuum of Dental Caries Management," American Academy of Esthetic Dentistry Annual Meeting, Washington DC, August 8, 2013.
- "The Continuum of Dental Caries Management," Hebrew University-Hadassah School of Dental Medicine, 60th Anniversary Symposium, Jerusalem, Israel, July 11, 2013.
- "Caries, Erosion and Fluoride," Pacific Coast Society for Prosthodontics Annual Meeting, Anchorage, AK, June 28, 2013.
- "Changes in Pediatric Dentistry Education in the United States," 24<sup>th</sup> Annual International Association of Paediatric Dentistry Congress." Seoul, Korea, June 15, 2013.
- "Caries Management in Children – Be a Knife Doctor and a Pill Doctor," 3rd Annual Central Texas Symposium, Austin, TX, April 19, 2013.
- "Caries Management in Children – Be a Knife Doctor and a Pill Doctor," Oregon Dental Conference, Wilsonville, OR, April 5, 2013.
- "Caries Management in Children – Be a Knife Doctor and a Pill Doctor," Annual Meeting of the Danish Dental Association, Copenhagen, Denmark, April 12, 2013.
- "Disease Theory of Caries," University of Washington Orthodontic Alumni Association Clinical Update, Scottsdale, AZ, March 15, 2013.
- "Dentist of the Future," Wenatchee Dental Society, Wenatchee, WA, March 7, 2013.

## **SELECTED INVITED PRESENTATIONS (CONT'D)**

- "Caries Management in Early Childhood," Chicago Dental Society Mid-Winter Meeting, Chicago, IL, February 22, 2013.
- "Caries Management in Children- Be a Knife Doctor and a Pill Doctor," Dental Vision, Stockholm, Sweden, March 1, 2012.
- "Making you Practice Infant and Toddler Friendly," Yankee Dental Congress, Boston, MA, January 26, 2012
- "Restorative Dentistry for the Pediatric Patient," Yankee Dental Congress, Boston, MA, January 27, 2012
- "Caries Management for the Pediatric Patient," Yankee Dental Congress, Boston, MA, January 26, 2012
- "Caries Management in Children- Be a Knife Doctor and a Pill Doctor," NYU Pediatric Dentistry Association Annual Symposium, New York, NY September 24, 2011.
- "Caries Management in Children," Bangalore, India, September 4, 2011.
- "Caries Management in Children," Mumbai, India, September 3, 2011.
- "Caries Management in Children," Samsung Medical Center, Seoul, Korea, August 19, 2011.
- "Caries Management in Children," Yonsei University, Seoul, Korea, August 18, 2011.
- "Caries Management in Children," Dan-kook University, Yongin, Korea, August 18, 2011.
- "Caries Management in Children," ANZSPD R.K. Hall Lecture Series, Australian and New Zealand Society of Pediatric Dentistry, Uluru, Australia, August 25-26, 2011.
- "Caries Management in Children," Hawaii Dental Service Meeting, Honolulu, HI. May 5, 2011.
- "Harnessing Quality Measurement for Patient-Centered Care Delivery," Greater New York Dental Meeting, New York, NY. November 28, 2010.
- "Caries Management for Children – Knife Doctor and Pill Doctor," Greater New York Dental Meeting, New York, NY. November 30, 2010.
- "Access to Baby and Child Dentistry," Medical-Dental Oral Health Symposium, Bellingham, WA. November 5, 2010.
- "Glass Ionomers," Dentsply Summer Clinician Fellowship, Cambridge, MD, August 13-15, 2010.
- "Early Childhood Oral Health," Washington Dental Service Sales Meeting, Seattle, WA, April 26, 2010
- "Early Childhood Oral Health," HS Special Markets Sales Meeting, Ft. Lauderdale, FL, March 16, 2010
- "Caries Management for Children," 2010 Pennington Award Luncheon in honor of Washington Dental Service and Washington Dental Service Foundation. Seattle, WA, February 5, 2010
- "Caries Management for Children - Knife Doctor AND Pill Doctor," Taipei, Taiwan, December 4, 2009
- "Caries Management for Children - Knife Doctor AND Pill Doctor," Bangkok, Thailand, December 1, 2009
- "Caries Management for Children - Knife Doctor AND Pill Doctor," Kaohsiung, Taiwan, November 29, 2009
- "Caries Management for Children - Knife Doctor AND Pill Doctor," Taipei, Taiwan, November 28, 2009
- "Caries Management in Early Childhood," 35<sup>th</sup> Annual Day of Pediatrics, Pediatric Pearls for Office Practice. Tacoma, WA, September 26, 2009
- "Tecnica y Ciencia en caries Dental: Una Vision Restauradora y Preventiva," Curso Internacional de post –grado. Sociedad Peruana de Odonotopediatria. Cusco, Peru, August 22, 2009
- "Tecnica y Ciencia en caries Dental: Una Vision Restauradora y Preventiva," Curso Internacional de post –grado. Sociedad Peruana de Odonotopediatria. Lima, Peru, August 21, 2009
- "The Emerging Caries Management Strategies," DMG Sales meeting, Lüneburg, Germany, July 8-14, 2009
- "Infiltration Concept in Pediatric Dentistry," 22<sup>nd</sup> meeting of the International Association of Paediatric Dentistry, Munich, Germany, June 20, 2009
- "Postgraduate Training in Pediatric Dentistry," 22<sup>nd</sup> meeting of the International Association of Paediatric Dentistry, Munich, Germany, June 19, 2009
- "Managing Caries in Children," SouthWestern Society of Pediatric Dentistry's Winter Meeting, Whistler, BC. February 14-20, 2009
- Greater New York Dental Meeting, New York, NY, November 28-December 2, 2008
- Fluoride Meeting, American Dental Association, Chicago, IL, November 10-13, 2008

## **SELECTED INVITED PRESENTATIONS (CONT'D)**

- "Caries Management," Arizona Academy of Pediatric Dentistry, Phoenix, AZ, October 10-12, 2008
- "Making an Infant and Toddler Program in Your Office," 1<sup>st</sup> Annual Access to Care Day, Maryland State Dental Association, Ocean City, MD, September 17, 2008
- "Access to Baby and Child Dentistry," Kitsap Dental Society, September 9, 2008
- Zenith Lecture, Brainerd-Crow Wing, MN, August 19-21, 2008
- Dentsply Summer Clinician Fellowship, Coeur d'Alene, ID, August 14-17, 2008
- "Caries Management in Children," American Academy of Esthetic Dentistry, 33<sup>rd</sup> Annual Meeting, Dana Point, CA, August 9, 2008
- "Caries Management in Children," Dental Products Review World 2008, Las Vegas, NV, May 16, 2008
- "The Academic Workforce: Working together to Preserve It," 33<sup>rd</sup> Annual Meeting and Scientific Session, 6<sup>th</sup> Annual WSPD Meeting, Rancho Bernardo, CA April 10-13, 2008.
- "Caries Management for Children, Knife Doctor and Pill Doctor," Thurston-Mason Counties Dental Society, Olympia, WA, February 8, 2008
- "Caries Management in Children," Yankee Dental Congress Conference, Boston MA, January 31-February 2, 2008
- "Restorative Dentistry for Children," The Scientific Program of the 83<sup>rd</sup> Annual Session of the 2007 Greater New York Dental Meeting, November 23-38, 2007.
- "The Master Clinician Program," American Academy of Pediatric Dentistry Dean's Focus Group, Chicago, IL, November 1, 2007
- "Caries Management by Risk Assessment," Summer Clinician Fellowship, Dentsply, Dana Point, CA, August 9-12, 2007
- "Research in Pediatric Dentistry at the University of Washington," 2007 Pacific Northwest Dental Conference, Seattle, WA, July 19-20, 2007
- "Caries Management in Children," Dental Society of British Columbia, 2007 Pacific Dental Conference in Victoria, BC March 9, 2007
- "Caries Management in Children," Utah Dental Association in Salt Lake City, UT February 8, 2007
- "New Technologies in Caries Diagnosis and Restorative Dentistry and Behavior Management for Children," Napa-Solano Dental Society Fairfield CA, October 6, 2006
- "Setting the Standard of Care for Dentistry & Education," WCMID 7<sup>th</sup> Conference Seattle WA, August 16-19, 2006
- "Caries Management," Gray's Harbor Dental Society, May 18, 2006
- "Caries Management by Risk Assessment; Past, Present, and Future," Snohomish County Dental Society, April 18, 2006
- "Caries Management by Risk Assessment," Montana Dental Society, March 10, 2006
- "Update on Caries in Children," Alpha Omega Dental Fraternity, Seattle Chapter, February 27, 2006
- "Caries Management by Risk Assessment," "Restorative Dentistry for Children," and "Make an Infant and Toddler Program Work in Your Office," Chicago Midwinter Meeting, February 23 - 26, 2006
- "Restorative Dentistry, Behavior Management, and Caries Management," Southwest Dental Conference, January 18-22, 2006
- "Glass Ionomer cements in Caries Management," Federation Dentaire Internationale, Montreal Canada, August 25, 2005
- "Early Childhood Oral Health," State of Washington WIC Conference, October 17, 2005
- "Caries management by Risk Assessment," Pacific Northwest Dental Conference, Seattle WA, July 14, 2005
- "Conservative Restorative Dentistry," Columbia University Club, New York NY; March 15, 2005
- "Pediatric Dentistry Update," New York University College of Dentistry, New York NY; March 14, 2005
- "Pediatric Dentistry: Get the latest on caries detection and restoration," The Star of the South Dental Meeting, Houston TX; February 19, 2005
- "Dentistry for Children: New Applications for Your Practice," Prom Center, Oakdale MN; February 4, 2005
- "Restorative Dentistry for Children," University of Detroit Mercy School of Dentistry, Detroit MI; January 29, 2005

## **SELECTED INVITED PRESENTATIONS (CONT'D)**

- "Restorative Dentistry for Children," Guang Zhou, China; January, 21, 2005
- "Restorative Dentistry for Children," Fuzhou, China; January 20, 2005
- "Dentistry in Children, with a difference," GK International, Chandigarh, India; January 17, 2005
- "Restorative Procedures" and "Space Maintenance," Pediatric Dentistry for General and Pediatric Dentists American Association for Pediatric Dentistry Conference, Las Vegas NV; November 11-13, 2004
- "Caries Detection and Risk Assessment in the 21st Century" and "Clinical Application of Restorative Dental Materials for Children," University of Florida, Gainesville FL; October 22-23, 2004
- "Caries Technologies and Restorative Dentistry for Children," Mexican Association for Pediatric Dentistry, Acapulco, Mexico; October 11-15, 2004
- "Caries Technologies and Restorative Dentistry for Children," Phoenix Summit Lecture, Phoenix AZ; October 7-8, 2004
- "Update on Pediatric Dentistry," Walla Walla Valley Dental Society, Walla Walla WA; August 26, 2004
- "Caries is not Binary: How what professionals and consumers are learning will change the way we practice," WCMID Conference, San Francisco CA; August 12, 2004
- "Early Caries Diagnosis: New Technologies;" "Soaring with Eagles: Reaching New Heights in Dental Esthetics," Annual Meeting, AAED Alberta, Canada; August 4-7, 2004
- "Cooperation between Academics and Industry," University of Washington School of Dentistry Summer Research Institute, July 2004, July 2005
- "There's More than Stainless Steel... Kids (and Parents) Also Want Pretty Teeth," Revelation 2004, Amsterdam; July 2-4, 2004
- "Pediatric Dentistry: Achieving Optimum Results," Yonsei University, Seoul, Korea; June 7, 2004 "Self-Etch Adhesive Technology," Expertise -3M ESPE Expert Forum, Cheju, Korea; June 4, 2004
- "Caries Diagnosis/Restoration for Children," Yankee Dental Congress 29, Boston MA; January 29-February 1, 2004
- "Clinical continuum of restorative material in pediatric dentistry," Southeast Society of Pediatric Dentistry, Atlanta GA; January 9-11, 2004
- "New Technologies in Early Caries Diagnosis" and "Esthetic Restorative Materials for Children," Greater New York Dental Meeting; November 2003
- "Restorative dentistry for children," Dental School, University of Pennsylvania, Philadelphia PA, December 2003
- "New Technologies in Caries Diagnosis," University of Washington Combined Seminars; November 17, 2003
- "Partnerships between Academics and Industry," Iowa Section, American Association for Dental Research, Iowa City IA; February 5, 2002
- "Dental Caries and Periodontal Disease Made Simple," Conference on Dental Care for Children with Disabilities, Seattle WA; May 5, 2001
- "The Role of Corporate-Educational Corporations - Finding Your Way Through," ADEA Meeting, Chicago, IL; March 7, 2001
- "The Oral-Systemic Link," Health Update Session, US Military, Fargo ND; March 4, 2001
- "Strengthening Alliances, Expanding Horizons," American Association of Dental Schools, Washington DC; April 1-5, 2000
- "Adhesives and Restorative Dilemmas," Vision Group Study Club, Houston TX; February 2, 2000
- "Modern Adhesive Dentistry," Sponsored by Dentorient Fuss Company, Tel Aviv, Israel; November 2, 1999
- "Creating Reliable Adhesive Interfaces," University of Pennsylvania School of Dental Medicine, Philadelphia PA; September 14, 1999
- "New Developments in Adhesive Technology," International Association of Pediatric Dentistry Meeting, London UK; September 3, 1999
- "Update on Dental Adhesives," University of Texas Health Science Center, San Antonio TX; July 29, 1999
- "Pediatric Dental Education together with Pediatric Medical Education," Deutsche Gesellschaft fuer Kinderzahnheilkunde (German Society for Pediatric Dentistry), Erfurt, Germany; July 17, 1999
- "Microscope Dentistry for Children," American Academy of Pediatric Dentistry Meeting, Toronto, Canada; May 28, 1999

## **SELECTED INVITED PRESENTATIONS (CONT'D)**

- "New Directions in Adhesive Dentistry," European Academy of Esthetic Dentistry Meeting, Bergen, Norway; May 22, 1999
- "Innovations in Adhesive Dentistry," various universities in Japan - Osaka; November 22, 1998, Chiba; November 25, 1998, and Tokyo; November 27, 1998
- Clinical Research: "Multiple Perspectives, Multiple Purposes," Iowa Faculty Retreat, Waverly IA; September 14, 1998
- "The Continuum of Esthetically Desirable Restorative Materials," various universities in Australia – Sydney; May 26, 1998, Melbourne; May 31, 1998, and Adelaide; June 2, 1998
- "Differentiating Modern Restorative Materials," Meeting of Dentorient Fuss, Meribel, France; March 9, 1998
- Diberikan Kepada, "Simposium Konservasi/Dental Material Pedodontic Dan Bedah Mulut," Persatuan Dokter Gigi Indonesia; October 18, 1997
- Guest Speaker, Mahidol University of Dentistry; October 16, 1997
- "Use of Compomers in Dental Practice-Selecting the Right Material for the Right Situation," Malaysian Dental Association, Petaling Jaya, Malaysia; October 14, 1997
- "Clinical Distinction between Restorative Categories," various universities in Asia - Hong Kong, China; Taipei, Taiwan; Taichung, Taiwan; Kuala Lumpur, Jakarta, Indonesia; October 15-25 1997
- University of Pennsylvania, Student Advanced Elective Lectures, 1996 & 1997
- Dental Materials Lecture, Episcopal Hospital Pediatric Dentistry Residency Program, Philadelphia, Pennsylvania; March 1996
- "Pediatric Dentistry Review," University of Texas, Houston - Medical School, Pediatric Grand Rounds; March 1994
- "Glass Ionomer Cements in Dentistry," Symposium on Esthetic Dental Materials, UCLA, Kapalua, Maui HI; July 1993
- "Support Concepts in Dentin Bonding," 1st Annual International Congress on Dentistry, Zaragoza, Spain; June 1993
- "Managing the Behavior of Children in the Pediatric Dentistry Office," University of Texas Medical School, Pediatric Grand Rounds; November 1992
- "Alternative Settings for Teaching Clinical Pediatric Dentistry-Issues of Access," American Association of Dental Schools, Pediatric Dentistry Section Annual Meeting; March 1992
- "Pediatric Dentistry Review," The Hawaii Dental Hygiene Association Meeting; January 1992
- "Between the Vermilion Border and the Posterior Pharyngeal Wall," University of Texas, Houston - Medical School, Pediatric Grand Rounds; February 1991
- "Prevention of Dental Caries: A Lifelong Effect," Corpus Christi DelMar College and Corpus Christi Dental Society Meeting; March 1990
- "Using Glass Ionomer Cements," Breakfast with the Experts at the American Academy of Pediatric Dentistry Annual Meeting; May 1989
- "Experimental Design and Data Analysis," American Academy of Pediatric Dentistry Annual Meeting; May 1989
- "Update on Haemostatic in Pediatric Dentistry," Southern Regional Hemophilia Society Meeting; March 1989
- "Treating Tomorrow's Generation Today," University of Texas Dental Branch Homecoming; August 1988
- "The Palatal Stabilizing Device for Pre-Term/Low Birth-Weight Infants," University of Texas, Houston Medical School Perinatal Conference; July 1988
- "Current Trends in Postgraduate Program," American Association of Dental Schools Annual Session; March 1988
- "The Influence of Aging and Epithelial Wound Healing," University of Texas Dental Branch Interdisciplinary Research Seminar Series; November 1986
- "Various Materials for Restoring Primary Teeth," Houston Academy of Pediatric Dentistry; October 1986

## **VIDEO/AUDIO PRESENTATIONS**

- "The Use of Microcomputers in Academic Pediatric Dentistry," American Association of Dental Schools Annual Session; March 1986
- "Minimally Invasive Dentistry," Practical Reviews in Pediatric Dentistry, Vol. 9, No. 6; March/April 1999.



## VIDEO/AUDIO PRESENTATIONS (CONT'D)

"Conservative Technique for Restoring Primary Molars after Pulpectomy," The University of Texas, Houston - Dental Branch; 1989.

"Class II Glass-Ionomer/Silver Cement Restoration of Primary Molars," The University of Texas, Houston - Dental Branch; 1987.

"Examination of the Child Patient," The University of Texas, Houston - Dental Branch; 1986.

## PUBLICATIONS – ABSTRACTS

Lee P, Grevich S, Ringold S, Leroux BG, Leahey H, Yuasa M, Foster J, Newson J, Hayden H, Brittnacher M, Hager K, McLean J, Berg J, Miller S, Stevens A. Oral Health and Microbiome in Juvenile Idiopathic Arthritis. IADR San Francisco, CA. March 2017.

Wataha J, Mouradian W, Slayton R, Sorensen J, Berg J. Modern Management Principles Come to the Dental School. *Journal of Dental Education*, 80(4): 393-402, April 2016.

Cunha-Cruz J, Rothen M, Wataha J, Heaton LJ, Scott J, Radmall RS, Berg J. Prevalence of Dentin Hypersensitivity and Associated Risk Factors in Adults. AADR Tampa, FL March 2012.

Huggins K, Berg J, Truelove E, Huang J, Bettendorf M, Boseman J, Hagerty P, Jones J. Northwest PRECEDENT Survey: Rates of Dentists Providing Pediatric/Behavior Management. AADR Tampa, FL March 2012.

Cunha-Cruz J, Rothen M, Marcial F, Zhou L, Mancl L, Scott J, Berg J, PRECEDENT N. Saliva Characteristics and Incidence of Dental Caries. AADR Tampa, FL March 2012.

Mancl L, Berg J, Cunha-Cruz J, Brossel K, Scott J, Wilson N. Association between medication usage and saliva characteristics. IADR San Diego, CA, March 2011.

Cunha-Cruz J, Coldwell S, Johnson D, Scott J, Rothen M, Lingam Y, Berg J. Sugared beverages and dental caries experience in Northwest PRECEDENT. IADR San Diego, CA, March 2011.

Lawhorn T, Berg J, Cunha-Cruz J, Mancl L, Brossel M, Rothen M, Wilson N. Saliva Characteristics and dental caries in Northwest PRECEDENT. IADR San Diego, CA, March 2011.

Cunha-Cruz J, Johnston GR, Zhou L, Mancl L, Rothen M, Berg J. Dental caries experience and income of adults visiting general practices. IADR Barcelona, Spain. July 2010.

Cunha-Cruz J, Wataha J, Zhou L, Manning W, Trantow M, Bettendorf M, Heaton L J, Berg J. Diagnosis of dentin hypersensitivity: choice of methods by general dentists of the northwest PRECEDENT network. AADR Washington DC, March 2010.

Cunha-Cruz J, Wataha J, Zhou L, Manning W, Trantow M, Bettendorf M, Heaton L J, Berg J. Dentin hypersensitivity: treatment preferences of general dentists of the northwest PRECEDENT network. AADR Washington DC, March 2010.

Rothen M, Mancl L, Leroux B, Marshall D, Berg J. Toothbrushing behaviors and caries prevalence in northwest PRECEDENT. AADR Washington DC, March 2010.

Ferracane JL, Hilton T, Korpak A, Gillette J, Speed-McIntyre P, Berg J, DeRouen T. Use of caries preventive services in the Northwest PRECEDENT dental PBRN. 2009. IADR, 9<sup>th</sup> World Congress on Preventative Dentistry. September 8-10, 2009.

Seminario AL, Berg JH, Sanchez P. Oral Health Status Among Low-Income Kindergarten School Children in Peru. 2009. IADR, Miami, FL. April 2, 2009.

Rothen M, Cunha-Cruz J, Mancl L, Latzke B, Coyne J, Berg JH, Gillette J. Feasibility and Reliability of Salivary Tests in Practice-based Research Network. *J Dent Res* 88A: 1244, 2009. IADR, April 2009.

Rothen M, Cunha-Cruz J, Leroux B, Mancl L, Latzke B, Coyne J, Berg J. Inter-examiner reliability of resting and stimulated salivary tests. Northwest PRECEDENT. Abstract, published. *J Dent Res* 87B: 2897, 2008. IADR Toronto, July 2008.

Cunha-Cruz J, Mancl L, Berg J, Gillette J, Hilton TJ. Association between four oral diseases in private practices' patient population. *J Dent Res* 87A: 0275, 2008. AADR Dallas, April 2008.

Ferracane J, Hilton T, Zhou L, Gillette J, Speed McIntyre P, Berg J. Use of caries preventive services in the NW PRECEDENT Dental Network. *J Dent Res* 87 A: 0276, 2008. AADR Dallas, April 2008.

## **PUBLICATIONS – ABSTRACTS (CONT'D)**

Rothen M, Cunha-Cruz J, Leroux B, Mancl L, Latzke B, Coyne J, Berg J. Reliability of resting and stimulated salivary tests. *J Dent Res*, 87: 2897, 2008.

Ruder BD, Berg J, Ramsay DS. Distribution of Bleeding Scores in Primary Molars during Pulpotomy Treatment. IADR Hawaii, March 2004.

Westerman GH, Hicks JM, Flaitz CM, Blankenau RJ, Powell GL, Berg JH. Root Caries Initiation and Progression Following Low Fluence Argon Laser and Fluoride. *J Dent Res*. 1996;75:2601.

Fox LM, Durban EM, Berg JH. 3-D Culture System to Examine Cytocompatibility of Restorative Materials. *J Dent Res*. 1996;75:2907.

Westerman GH, Hicks MJ, Flaitz CM, Blankenau RJ, Powell GL, Berg JH. Argon Laser Irradiation and Fluoride Treatment in Root Surface Caries in Vitro. *J Dent Res*. 1994;73:615.

Westerman GH, Hicks JM, Flaitz CM, Blankenau RJ, Powell GL, Berg JH. Effect of Argon Laser Irradiation on Caries-Like Lesion Initiation and Progression in Enamel. *J Dent Res*. 1993;72:948.

Hoots K, McLeod J, Eggers E, Berg JH, Lee M, Gomperts E. Pilot Study to Evaluate Efficacy of Fibrin Sealant (Human) on Hemostasis in Hemophiliacs Undergoing Tooth Extraction," The American Society of Hematology, 35th Annual Meeting, December 3-7, 1993.

Westerman GH, Flaitz CM, Hicks MJ, Berg JH, Blankenau RJ, Powell GL. Argon Laser irradiation in Root Surface In Vitro. *J Dent Res*. 1992;71:764.

Alfonzo-Echeverri A, Glass NL, Berg JH, Wild TW. Oral Ketamine for Outpatient Dental Surgery Sedation. *J Dent Res*. 1991;70:1432.

Berg JH, Durban EM. Three Dimensional Culture System for Biocompatibility Testing. *J Dent Res*. 1991;7:1052.

Berg JH, Durban EM. Influence of EGF and TGT-B on Palate Mucosal Epithelium. *J Dent Res*. 1989;68:984.

Berg JH, Thomas MA, Donly KJ, Conrad RC, Sadler J. Effect of Smear Layer Removal on the Bond Strength of Glass Ionomer to primary Teeth. *J Dent Res*. 1988;67:218.

Stratmann RG, Berg JH, Donly KJ. In-Vivo Assessment of Class II Class Ionomer Silver Restorations in Primary Molars: A trin

Berg JH, Brown LR, Farrell JA, Puente RA. Influence of Class II Glass Ionomer Silver/Cement Restoration on Interproximal Bacterial Growth. *J Dent Res*. 1988;67:1336.

Berg JH. The Effects of Aging on Wound Healing. *Pediatr Dent*. 1986;8(2):181.

Berg JH, Hill MW. "Influence of Aging on Epithelial Wound Healing," *J Dent Res*. 1986;65:71.

Berg JH, Hill MW. Mitotic Arrest by Vinblastine: Variations with Site, Age, and Duration in Mouse Epithelia. *J Dent Res*. 1985;64:246.

Berg JH, MacKenzie IC, Hill MW. Connective Tissue Influences on Epithelia Proliferation. *J Dent Res*. 1983;62:340.

Berg JH, MacKenzie IC, Hill MW. Quantitative Analysis of Regional Differences between Mouse Oral Epithelia and Epidermis. *J Dent Res*. 1981;60A:938.

## **PUBLICATIONS – ARTICLES**

Berg JH. Early Interventions to Support Pediatric Oral Health. *Decisions in Dentistry*. September 2017: 3(9): 22-26.

Berg JH, Croll TP. Delivery of Fluoride Solutions to Proximal Tooth Surfaces Part II: Caries interception with silver diamine fluoride. *Inside Dentistry*. September 2017: 13(9): 56-58.

Berg JH, Croll TP. Delivery of Fluoride Solutions to Proximal Tooth Surfaces Part I: Caries prevention with fluoride varnish and gel. *Inside Dentistry*. July 2017: 13(7): 2-3.

Berg JH, Xu Z. Restoring Kids' Smiles. *Mentor*. February 2017: 8(2):21-25.

Berg JH, Winter SF. Caries Prevention with Adjunctive Rinses. Recommending Fluoride Mouthrinse can Help Reduce the Incident of Lesions in Pediatric Populations. *Decisions in Dentistry*. February 2017: 3(2):32-34

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Hersh EV, Lindemeyer R, Berg JH, Casamassimo PS, Chin J, Marberger A, Lin BP, Hutcheson MC, Moore PA. Phase Four, Randomized, Double-Blinded, Controlled Trial of Phentolamine Mesylate in Two- to Five-year-old Dental Patients. *Journal of Pediatric Dentistry*. January-February 2017: 39(1):39-41.

Berg J, Fabozzi Winter S. Swish Away Caries Risk. *Dimensions of Dental Hygiene*. December 2016:22-24

Nowak AJ, Kim AS, Scott JM, Berg J. The Effect of a Unique Pacifier on Anterior Open Bite and Overjet in the Primary Dentition: A Pilot Study. *Journal of Dentistry for Children*. May-Aug 2016: 82(2):78-82.

Berg J. The Continuum of Dental Caries Management. *Inside Dentistry*. March 2016:12(3):36-40.

Berg J, Croll T. Glass Ionomer Restorative Cement Systems: An Update. *Pediatric Dentistry*. March 2015: 37(2):116-124.

Rothen M, Cunha-Cruz J, Zhou L, Mancl L, Jones JS, Berg J. Northwest PRECEDENT network. Oral hygiene behaviors and caries experience in Northwest PRECEDENT patients. *Community Dent Oral Epidemiol*. Dec 2014.;42(6):526-35.

Timoshchuk M, Zhang L, Dickinson B, Ridge J, Kim A, Baltuck C, Nelson L, Berg J, Seibel, E. Guided fluorescence diagnosis of childhood caries: preliminary measures correlate with depth of carious decay. *Proc. SPIE 8929, Lasers in Dentistry XX, 892904*. Feb. 2014: doi:10.1117/12.2041648

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## **PATENT**

Dental Demineralization Detection, Methods and Systems

PCY/US13/22286

Seibel EJ, Zhang L, Johnston RS, Melville CD, Nelson L, Lee CM, Berg J

Filed: 01/18/2013

Goal: Methods and system for detecting early stage dental caries

## **PROFESSIONAL DEVELOPMENT**

Group Leader

Pediatric Dentists' "People-to-People" Tour of Russia

September 2005

American Academy of Pediatric Dentistry Leadership Institute

Kellogg School of Management

Northwestern University

Evanston IL, December 2004 - December 2006

Certificate, "Integrating Finance and Marketing"

Wharton School of Executive Education

University of Pennsylvania

Philadelphia PA, February 1999

### **Manuscript Reviewer for:**

Compendium of Continuing Education in Dentistry

Journal of Dentistry for Children

Journal of Esthetic and Restorative Dentistry

## **LEGAL EXPERT WORK**

Legal expert work for Office of the Inspector General, DHHS, US 2012 - 2017

Medicaid's Efforts to Reform since the Preventable Death of Deamonte Driver: a Progress Report," Domestic Policy Subcommittee of the Oversight and Government Reform Committee. Invitation from Dennis Kucinich. October 7, 2009.

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