

BRIEF SUMMARY

John M. Powers, Ph.D.

Dr. Powers graduated from the University of Michigan with a B.S. in chemistry in 1967 and a Ph.D. in dental materials and mechanical engineering in 1972. He is Senior Vice President of Dental Consultants, Inc.; Editor of *The Dental Advisor*, a dental newsletter; and owner of Apex Dental Milling, a zirconia milling center. He is also Professor of Oral Biomaterials, Department of Restorative Dentistry and Biomaterials at the University of Texas Dental Branch at Houston. He is Adjunct Professor at the University of Michigan School of Dentistry, University of Regensburg and the Ludwig-Maximilians-University Munich. He is active in the applied and basic research of bonding to dental substrates, color and optical properties of esthetic materials, and physical and mechanical properties of dental cements, composites and other restorative materials. Dr. Powers is Chair of ANSI/ADA Working Groups on waxes and cements. Dr. Powers has authored more than 980 scientific articles, abstracts, books, and chapters. He is co-author of the textbook, *Dental Materials - Properties and Manipulation*, and co-editor of *Craig's Restorative Dental Materials* and *Esthetic Color Training in Dentistry*. He serves on the editorial boards of many dental journals. He has given numerous scientific and professional presentations in the United States, Mexico, South America, Europe, and Asia.

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DETAILED CURRICULUM VITAE

John M. Powers

Name:

John Michael Powers, Ph.D.

Present Titles:

Dental Consultants, Inc. (The Dental Advisor)
Senior Vice President and Editor

The University of Texas School of Dentistry at Houston

Professor of Oral Biomaterials (0.2 FTE, NTR), Department of Restorative Dentistry
and Biomaterials

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Houston, TX 77030-3402

Internet: john.m.powers@uth.tmc.edu

Citizenship: USA

Undergraduate Education:

University of Michigan, Ann Arbor, MI; B.S. (Chem.) 12/67

Graduate Education:

University of Michigan, Ann Arbor, MI; Ph.D. (Dent. Mat. & Mech. Engr.) 5/72

Postgraduate Training: none

Academic Appointments (Regular):

Professor of Oral Biomaterials (0.2 FTE, NTR), The University of Texas Dental Branch at Houston, 7/05 to date

Interim Director, Houston Biomaterials Research Center, 7/05 to 7/07

Director of Advanced Education, The University of Texas Dental Branch at Houston, 9/04 to 8/06

Special Assistant to the Dean, The University of Texas Dental Branch at Houston, 1/04 to 8/04

Director of Faculty Research Development, The University of Texas Dental Branch at Houston, 9/03 to 8/04

Associate Dean for Research, The University of Texas Dental Branch at Houston, 5/01 to 8/03

Vice Chairman (Restorative Dentistry and Biomaterials), The University of Texas Dental Branch at Houston, 8/98 to 4/01

Vice Chairman (Basic Sciences), The University of Texas Dental Branch at Houston, 7/96 to 3/98, 6/98 to 7/98

Acting Chairman (Basic Sciences), The University of Texas Dental Branch at Houston, 4/98 to 5/98

Director, Houston Biomaterials Research Center, 11/94 to 6/05

Senior Scientist, Houston Biomaterials Research Center, 11/94 to 12/08

Member of the Graduate Faculty, The University of Texas Graduate School of Biomedical Sciences at Houston, 1/89 to 8/06; Associate Member, 6/07 to 2/09

Professor (tenured, 1991), The University of Texas Dental Branch at Houston, 11/88 to 6/05

Chairman (Oral Biomaterials), The University of Texas Dental Branch at Houston, 11/88 to 8/93

Professor (tenured), University of Michigan, School of Dentistry, 7/79 to 12/88

Associate Professor (tenured, 1975), University of Michigan, School of Dentistry, 7/75 to 6/79

Assistant Professor, University of Michigan, School of Dentistry, 7/72 to 6/75

Teaching Fellow, University of Michigan, School of Dentistry, 7/69 to 6/72

Instructor P/T - Health Science, Washtenaw Community College, 9/68 to 1/69

Research Assistant, University of Michigan, School of Dentistry, 5/65 to 12/67

Academic Appointments (Adjunct and Visiting):

Adjunct Professor, University of Michigan School of Dentistry, Ann Arbor, Michigan, 9/07 to date

Adjunct Professor, University of Regensburg, Faculty of Medicine, Regensburg, Germany, 10/98 to date

Adjunct Professor, Ludwig-Maximilians-University Munich, Munich, Germany, 12/96 to date

Associate Member, The University of Texas Center for Biomedical Engineering, 5/03 to 6/05

Member, Center for Prostheses Infection, Baylor College of Medicine, 6/99 to 6/05

Adjunct Professor, Baylor College of Medicine, Department of Physical Medicine and Rehabilitation, 1/95 to 6/05

Adjunct Professor, University of Texas Health Science Center at San Antonio,
Department of Restorative Dentistry, 9/95 to 8/00
Visiting Professor, Nippon Dental University, Niigata, Japan, 9/90, 6/86

Hospital Appointments: none

Licensure: none

Certification: none

Memberships in Professional Organizations:

Society for Color and Appearance in Dentistry, 2008 to date (Board of Directors and Treasurer, 2008-2112)

Houston Section of American Association for Dental Research, 1989 to date, (President-Elect, 1989 to 1990; President, 1990 to 1991; Alternate Counselor, 1992 to 1995; Councilor, 2004-2005)

ASM International, 1989 to 1999

UTDB Alumni Association (Associate member), 1989 to date

American Association for Dental Research Fellowship Committee, 1988-91, 1992-95

Academy of Dental Materials (Fellow), 1983 to date

Academy for Sports Dentistry (Founding Charter member), 1983 to date

Society for Biomaterials (Charter member), 1974 to 2004

American Academy for Plastics Research in Dentistry, 1972 to 1979 (President, 1978)

American Dental Association (Associate member), 1972 to date

Detroit Dental Clinic Club, 1972 to 1994; Honorary Member, 1994 to date

Dental Materials Group and Group Chapter, 1968 to date (DMG President, 1983-84; DMG/DMGC Councilor, 1999-2008)

International Association for Dental Research, 1968 to date

Ann Arbor Section of American Association for Dental Research, 1968 to 1988
(Counselor, 1981 to 1988)

American Association of Dental Schools, 1968 to date (Biomaterials Section, Secretary, 1991 to 1992; Chair-Elect, 1992 to 1993; Chair, 1993 to 1994; Councilor, 1994 to 2000; Administrative Board, Council of Sections: Member-at-Large, 4/96 to 11/96; Secretary, 11/96 to 3/97; Chair-Elect, 4/97 to 3/98; Chair, 4/98 to 3/99)

Alpha Chi Sigma, 1965 to date

Honors and Awards:

2003-2004 Outstanding Mentor of the Year Award (UTDB)

2003 Nominee for President's Award for Mentoring Women, HSC Committee for the Status of Women

2003 Nominee for President's Scholar - Teaching

2003 HSC Honors Convocation Recipient

2002 HSC Honors Convocation Recipient

2001 HSC Honors Convocation Recipient

Academic Leadership Development Program (Class of 2000)

2000 UTDB Dean's Teaching Excellence List

2000 GSBS Dean's Excellence Awards List
1999 UTDB Dean's Teaching Excellence List
1999 GSBS Dean's Excellence Awards List
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1993 GSBS Dean's Teaching Award
Omicron Kappa Upsilon (Honorary member), 1979 to date (Secretary-Treasurer, Chi Chapter, 1983 to 1988; Mu Mu Chapter, 1989 to date)
Society of the Sigma Xi (Full member, 1974 to date)
Phi Kappa Phi

Editorial Positions:

Dental Advisory Board, Dentistry Today, 6/09 to date
Editorial Board, Journal of Prosthodontics, 2/07 to date
Editorial Board, Dental Materials Journal, 9/04 to date
Editorial Board, Journal of Prosthetic Dentistry, 10/03 to date
Editorial Board, Journal of Adhesive Dentistry, 6/98 to date
Editorial Board, Journal of Oral Rehabilitation, 4/98 to 12/03
Editorial Board, Dental Materials, 1/92 to date
Editorial Board, American Journal of Dentistry, 12/91 to date
Editorial Advisory Board, American Journal of Orthodontics, 1979 to date
Editorial Board, General Dental Treatment, 7/95-6/98
Editorial Board, Journal of Clinical Dentistry, 1/91 to 12/98
Editorial Advisory Board, Journal of Dental Research, 1975 to 1989
Editor, The Dental Advisor, 1984 to date
Editor, The Dental Advisor Plus, 1991 to 1997
Abstractor, Oral Research Abstracts, 1968 to 1975

Reviewer Experience:

Clinical Oral Investigations, 2005 to date
Journal of Contemporary Dental Practice, 2005 to date
Journal of Esthetic and Restorative Dentistry, 1999 to date
Journal of Prosthodontics, 1998 to date
Journal of Dentistry, 1997 to date
Angle Orthodontist, 1994 to date
Journal of Dental Research, 1975 to date
Journal of the American Dental Association, 1972 to date

Consultantships:

Special Government Employee, Center for Devices and Radiological Health, 5/23/2010 to 5/22/2014

Chair, External Advisor Committee, LSU COBRE, 2003 to date

Member, External Advisory Committee, UMKC Training Grant, 2005 to 2007

Consultant, American Dental Association Council on Scientific Affairs, 1996 to date

Senior Vice-President, Dental Consultants, Inc., 12/83 to date

Secretary, American Dental Association Working Group on Zinc Oxide-eugenol Cement, 1979 to 1989; Chairman, 1989 to date

Chairman, American Dental Association Working Group on Cements, 1994 to date

Chairman, American Dental Association Working Group on Glass Ionomer Cement, 1985 to 1994

Chairman, American Dental Association Working Group on Zinc Polycarboxylate Cement, 1979 to 1994

Chairman, American Dental Association Working Group on Zinc Phosphate Cement, 1975 to 1994

American Dental Association Working Group on Inlay Casting Wax and Baseplate Wax, 1972 to date (Chairman, 1975 to date)

Service on National Panels:

Consultant (SGE), Dental Products Devices Panel, Medical Devices Advisory Committee, Center for Devices and Radiological Health, Food and Drug Administration, 4-1-10 to present

National Institute for Dental Research

Chair, Special Emphasis Panel, 8-05-03

Chair, Special Emphasis Panel, 10-17-02

Member, Special Study Section, 3/23-24/01

Member, Special Study Section, 3/21-22/01

Chair, Special Review Group, 10-19-00

Chair, Special Emphasis Panel, 1995

National Science Foundation, ad-hoc reviewer, 2-99

University of Texas Health Science Center at Houston Committees:

HSC Conflict of Interest Working Group, Member, 7/04 to 6/05

HSC Postdoctoral Fellow Grievance Policy/Process Working Group, Member, 2004

HSC Search Committee, Director of Research Services, Member, 2002

HSC Research Conflict of Interest Committee, 2002 to 2005

HSC Research Council, Member, 2001 to 2004

HSC Intellectual Property Advisory Committee, Member, 2001 to 2005

HSC Committee for Protection of Human Subjects, Member, 1995 to 2012

HSC Conflict of Interest Regulations Task Force, 1994 to 1995

HSC Planning Task Force for Continuing Education, 1992 to 1993

University of Texas Dental Branch at Houston Committees:

Dental Branch, Accreditation Steering Committee. 2003 to 2005; Standard 6 Subcommittee, Chair; Standard 1-Outcomes Assessment

Dental Branch, Mentor, 2001 to date

Dental Branch, Second-year Promotion and Evaluation Committee, 2001-2005

Dental Branch, Budget and Planning Committee, 9/00 to 8/03

Dental Branch, Research Advancement Council, 6/99 to 12/99

Dental Branch, Administrative Council, 1988 to 1993; 1996 to date; Recorder, 1999 to 2005

Dental Branch, Outcomes Assessment Committee, 5/97 to 8/05; Chair, 5/97 to 5/98, 5/99-5/01; Vice Chair, 5/98 to 5/99; Chair, 6/99 to 5/01, 12/03 to date; member, 9/06 to 8/08

Dental Branch, Advanced Education Committee, 1992 to date; Chair, 9/00 to 8/01

Dental Branch, Research Committee, 1991 to 2005; Chair, 1/94 to 5/95

Dental Branch, Advisory Group on Non-budgeted Department Expenses, 1/98 to 2/98; Chair

Dental Branch, Ad hoc Self-study Committee on Standard 1, Chair, 7/96 to 3/98

Dental Branch, Appointment, Promotion and Tenure Committee, 1994 to 1996; Chair, 6/95 to 5/96

Dental Branch, First-year Promotion and Evaluation Committee, 1993 to 1996, 2004-2005; Chair, 9/94 to 8/95, 2004-2005

Dental Branch, Committee on Committees, 1993 to 1995

Dental Branch, Adhoc Computer Committee, 1990 to 1991

Dental Branch, Research Advisory Committee, 1989 to 1990

Dental Branch, Student Advisor, 1992 to 2002, 3-11 students

University of Texas GSBS at Houston Committees:

GSBS, Membership Committee, 1999 to 2001, 2002-2005; Chair, 2004-2005

GSBS, Program Directors Committee, 1998 to 2005

GSBS, Executive Committee, 1996 to 2005

GSBS, Specialized Masters Committee, 1994 to 1998; Chair, 1996 to 1998

GSBS, Curriculum Committee, 1990 to 1993

University of Texas School of Health Information Sciences at Houston Committees:

Academic Advisory Committee, 1998 to 2005; Chair, 1998 to 2001

Executive Committee, Center for Computational Biomedicine, 2001 to 2005

Scholarship Committee, 2000 (Member)

Community Service:

Keep Sugar Land Beautiful (Board of Directors, 1999 to date; Interim President/ President, 1999 to 2000; Past-President, 2000 to 2001)

Sugar Land Recycling and Environmental Board, 1992 to 1999 (Vice-Chair, 1992-1994; Chair, 1995 to 1998; Acting Chair, 10/1999)

FCCSA Neighborhood Representative, Sugar Land, TX, 1990 to 2005 (Modifications Committee, Chair, 1997 to 2005; Environmental Awareness Committee, 1992 to 1993; Chairman, 1992, 1993; Recycling Committee, 1990 to 1991)

Christ United Methodist Church (Finance Committee, 1991 to 1997; Chairman, 1992 to 1994; Administrative Board, 1992 to date; Vice Chair, 1995)
Editor, Colony Park Bench (neighborhood newsletter), 1991 to 1994
Golden Rule Lodge #159 F & AM, Ann Arbor, MI, 1986 to date (Junior Deacon, 1988)
Volunteer Fireman, Pittsfield Township, MI, 1980 to 1984
Glacier Way United Methodist Church, Ann Arbor, MI (Finance Secretary, 1982 to 1988)
Boy Scout Troop 5, Ann Arbor, MI, 1976 to 1988 (Assistant Scoutmaster, Scoutmaster, Troop Committee Chairman)
Green Glacier Community Center, Ann Arbor, MI, 1976 to 1985, Board Member and Treasurer
Kiwanis Club of Ann Arbor, 1972 to 1988 (Board Member, Committee Chairman (International Relations, Racket Squad)

Dental Branch Faculty Mentorship Program - Mentorship of Faculty:
Sudarat Kiat-amnuay, 2002 to date
Cynthia Trajtenberg, 2002 to date

Sponsorship of Foreign Candidates - Postdoctoral Degrees (1991 to date):
Evelese de Souza, Ph.D. (Brazil), 2000
Rodrigo Rached, Ph.D. (Brazil), 2000
Khalid Noaman, Ph.D. (awarded by Al-Azhar University), 1999
Karl Heinz Friedl, Ph.D. (awarded by University of Regensburg), 1998
Mohamed El-Sheikh, Ph.D. (awarded by Tanta University), 1998
Mohamed El-Rbigy, Ph.D. (awarded by Tanta University), 1996
Ghada Alian, Ph.D. (awarded by Cairo University), 1995

Sponsorship of Postdoctoral Fellows and Visiting Faculty (1992 to date):
Kiochi Yoshida, Japan, Visiting Scientist (Dental Consultants, Inc.), 3/09 to 3/10
I. Hernandez, Costa Rica, Visiting Professor (Dental Consultants, Inc.), 1/08 to 2/08
Kazuo Ohkuma, Japan, Visiting Professor (Dental Consultants, Inc.), 3/06 to 3/07
Christine Berthold, Germany, Visiting Research Fellow, 7/05 to 9/05
Afifa Mehmood, Visiting Research Fellow, 10/04 to 5/05
Ljiljana Milojevic, Visiting Research Fellow, 10/04 to 5/05
YK Lee, Korea, Visiting Research Fellow, 12/03 to 12/04
Makoto Oguri, Tokuyama Dental Corp., Visiting Research Fellow, 11/03-10/04
Mikio Kimura, Tokuyama Dental Corp., Visiting Research Fellow, 9/02-8/03
Kyria Leite, Brazil, Visiting Research Fellow, 9/02-8/04
Flavio Demarco, Brazil, Visiting Research Fellow, 3/02
Julio Gurgel, Brazil, Visiting Research Fellow, 1/02, 3/02
Xinzhi Wang, Peking University School of Stomatology, Visiting Research Fellow, 4/01 to 9/01
Rade Paravina, Visiting Research Fellow, 10/00 to 8/03
Christoph Kaaden, Research Fellow, 9/99 to 10/00
Lisa Fox, Research Fellow, 5/99 to 7/99
Julio Gurgel, Brazil, Visiting Research Fellow, 3/99 to 5/99
Adriana Matos, University of Sao Paulo, Visiting Research Fellow, 2/99 to 3/99

Gabriella Messina, Italy, Visiting Research Fellow, 12/98 to 3/99
Mohamed El Zawahry, Al-Azhar University, Egypt, Visiting Faculty, 12/98 to 7/99
YK Lee, Korea, Visiting Faculty, 9/98 to 2/99
Alex Gianismidas, Ivoclar, Germany, Visiting Faculty, 8/98, 11/98
Andre Rumphorst, Ivoclar Germany, Visiting Faculty, 8/98, 11/98
Ulrich Salz, Ivoclar, Germany, Visiting Faculty, 8/98
Wolfgang Weinmann, ESPE, Germany, Visiting Faculty, 2/98 to 3/98
Cynthia Trajtenberg, Argentina, Visiting Faculty, 1997 to 1998
Maha Alhanbali, Jordan, Visiting Faculty, 9/97 to 12/97
Ghada Alian, Egypt, Visiting Faculty, 8/97 to 9/97
Juergen Manhart, Germany, Visiting Faculty, 3/97 to 3/98
Hwa-Bong Kim, Korea, Visiting Faculty, 1996 to 1997
Shigeki Komatsu, Nippon Dental University at Niigata, Japan, Visiting Faculty, 1996 to
1997
Dongfang Li, Beijing Medical University, China, Visiting Faculty, 1996 to 1997
Akiko Nakano, Japan, Visiting Faculty, 1995 to 1996
Byung-Chull Choi, Catholic University Medical College, Korea, Visiting Faculty, 1994 to
1996
Xinzhi Wang, Beijing Medical University, China, Visiting Faculty, 1994 to 1996
Karl-Heinz Friedl, Germany, Postdoctoral Fellow, 1993 to 1994
Cheng You, China, Visiting Faculty, 1992 to 1994

Graduate Students Supervised

Theses or dissertations - member of committee

Taylor C. Color Compatibility among Acrylic Denture Teeth and Respective Shade Guides. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, June 2010. (Chair - Paravina)

Ekhlassi S. Bond strength comparison of color change adhesives for orthodontic bonding using a self-etching primer. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, June 2010. (Chair - English)

Penton BWB. Bond strength comparison of color changing orthodontic adhesives used with aesthetic brackets. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, June 2010. (Chair - English)

Carnaggio TV. Retention of CAD/CAM all-ceramic crowns on prefabricated implant abutments: Comparative study of luting agents and abutment surface area. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, June 2009. (Chair - Engelmeier)

Duers M. A bond strength comparison of color change adhesives for orthodontic bonding. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, June 2009. (Chair - English)

Dietrich A. A comparison of shear bond strengths of a self-etching primer used on bleached and unbleached bovine enamel. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, May 2009. (Chair - English)

McQuigg CA. Effects of implant abutment surface area on retention of CAD/CAM all-ceramic crowns. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, June 2009. (Chair - Koeppen)

Thomas R. Shear bond strength of heat-cured and auto-polymerized acrylic resin to cobalt-chromium alloy using different primers and surface modification. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, March 2009. (Chair - Engelmeier)

Do-Quang, T-D. In vitro frictional resistance of monocrystalline sapphire brackets. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, Dec 2008. (Chair - English)

James, LM. Fracture resistance of anterior preveneered primary crowns following cold sterilization. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, Dec 2008. (Chair - Ontiveros)

Torossian G. Comparison of digital models vs. plaster models using alginate and alginate substitute materials. Master's Thesis, University of Texas Health Science

Center at Houston Dental Branch, Houston, Dec 2008. (Chair - English)

Evans LS. A comparison of shear bond strengths among different self-etching primers. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2008. (Chair - English)

Fernandez JC. Effect of storage time in disinfectant solutions versus storage time in dry conditions on the accuracy of the interocclusal records. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2008. (Chair - Engelmeier)

Fullerton LH. Dimensional stability of orthodontic impression materials using digital model software. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2008. (Chair - English)

Salas De Armas GA. Shear bond strengths in four different esthetic brackets. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2008. (Chair - English)

Colwick JM. Effects of crimping on anterior preveneered primary stainless steel crowns. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2007. (Chair - Ontiveros)

Shambarger J. The accuracy of OrthoCAD digital models compared to plaster models. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2007. (Chair - English)

Tennison, JW. Dimensional stability of orthodontic alginates. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2007. (Chair - English)

Tesseneer, KD. Sanitization of retainers using commercial detergent and a microwave process. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2007. (Chair - Amendt)

Tran AM. Force degradation between latex and non-latex orthodontic elastics in simulated saliva solution. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2007. (Chair - English)

Lee GEH. Force needed to separate acrylic resin from primed and unprimed frameworks of different designs. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2006. (Chair - Engelmeier)

McGrory KR. Effect of lip bumper therapy on lower incisor position. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2006. (Chair - English)

Pratt KC. Fluoride-releasing orthodontic adhesives and topical fluoride effect on enamel caries formation: An in vitro study. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2006. (Chair - ?)

Bekish, D.J. The effects of torque on superelastic archwires. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2005. (Chair - English)

Benjamin SM. Evaluation of ultrasonography for the in vivo detection of periradicular lesions in the human maxilla and mandible. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2005. (Chair - Moretti)

Lin CN. Effects of stannous fluoride on in vitro growth of candida species. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2005. (Chair - Chan)

Lyons L. Regeneration of Class II furcation defects with a 4% doxycycline hyclate absorbable barrier. A pilot study. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2005. (Chair - Weltman)

Noble RR II. Clinical evaluation of orthodontic self-etching primers. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2005. (Chair - Dosch)

Olfert, KDG. The interaction of MSX1 and PAX9 and its role in tooth agenesis. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2005. (Chair - D'Souza)

Sierra, C. Evaluation of time-dependent dimensional stability of interocclusal recording materials. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2005. (Chair - Huff)

Sparkman, K. Debonding of ceramic brackets: An in-vitro study. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2005. (Chair - English)

Adeola, D. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - O'Keefe)

Alarcon, J. Wear testing of restorative materials and enamel opposing removable partial denture alloy. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - Triolo)

Cain, KK. Effect of an orthodontic bonding sealant on caries-like lesion formation in enamel: A polarized light microscope study. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - English)

Caram, SJ. Microleakage of Empress crowns using self-etching resin cements. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - Trajtenberg)

Freels, C. Force deflection comparisons of .018 and .022-inch bracket slot sizes. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - English)

LeCrone, V. Clinical evaluation of an orthodontic self-etching primer. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - Salas)

Leung, L. Microleakage of composite restorations with self-etching adhesives applied to dry and moist dentin. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - Trajtenberg)

Lin, C. Effects of fluoride on in vitro growth of candida species. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - Chan)

Pisklak, CW. Frictional evaluation of silica-coated ceramic brackets. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - Salas-Lopez)

Shannon, MA. The effect of self-etching adhesives on sealant bond strength. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - Powers)

Weller, PJ. Remaining dentin thickness in the apical four millimeters following four cleaning and shaping regimens. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004. (Chair - Svec)

Artopoulou, I-I. Effect of surface conditioning and core dimension on the tensile retentive force of core materials to metallic and glass fiber endodontic posts. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2003. (Chair - O'Keefe)

Cisneros, V. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2003.

Echeverria, A. Scaling and root planing plus locally delivered minocycline hydrochloride 1 mg microspheres (Arestin) compared to scaling and root planing alone. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2003.

Mallory, D. Force-deflection Comparisons of Superelastic Nickel-titanium Archwires. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2003.

Schnoor, Z. The cleaning efficacy of different instrumentation techniques in oval canals. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2003.

Clemente, K. Dimensional stability of different interocclusal recording materials. University of Texas Health Science Center at Houston Dental Branch, Houston, 2003.

Powers, D. Comparison of the frictional forces of self-ligating orthodontic brackets. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2003.

Gerngross, P.J. Period between completion of radiation therapy and prosthetic rehabilitation in edentulous patients: a retrospective study (A Veterans Affairs Medical Center and The University of Texas M.D. Anderson Cancer Center experience), Master's Thesis, University of Texas Health Science Center at Houston, Dental Branch Houston, 2002.

Walker LM. Polishing-dependent changes in color and gloss of composites. M.S. Thesis, Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2002.

Harb, M. An evaluation of semi-adjustable articulator interchangeability. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2002.

Kass, C.P. A quantitative and comparative analysis of thermafil plus obturators vs. lateral condensation in curved mandibular molars. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2002.

Marruffo, J.P. Effect of gypsum setting expansion on the accuracy of a master cast from an implant transfer impression. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2002.

Lalani, Z. Characterization of healing tissue in a tooth extraction socket in a

rabbit model. Ph.D. Dissertation, University of Texas Health Science Center at Houston, Graduate School of Biomedical Sciences, Houston, 2002.

Bonaventura, G.T. Immunohistochemical evaluation of inflammatory cells after treatment of peri-implant mucositis in monkeys. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2001.

Campbell, R.C. A comparative analysis of methods for removal of 'esthetic' posts. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2001.

Hughes, T.J. Clinical study of the effect on bond strength with reduced etching times and prophylaxes elimination. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2001.

Bruchmiller, T.T. Comparative analysis of MPG and standard gutta-percha using a bacterial leakage model. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2000.

Rosen, A. Three-dimensional virtual treatment planning for orthognathic surgery with a dimensionally and morohologically accurate dentition. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2000.

St. Clair, J. Effect on bond strength with reduced etching times and prophylaxis elimination. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1999.

Romano. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1998.

Garcia, A. Association between tooth wear pattern and possible etiology in patients with severe tooth wear: A Pilot study. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1998.

Ellis, R.K. A clinical comparison of bonding surfaces on mandibular lingual arch retainers. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1998.

Lafuente, J.D. Accuracy of injected and poured denture base acrylic resins. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1997.

Mennemeyer, V. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1997.

Pablos, L.S.M. Esthetics of lip position of the Texas Hispanic as perceived by teenage Hispanics from San Antonio, Texas. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1997.

Miller, B.H. Bond strengths between cements and metals used for endodontic posts. Master's Thesis, Baylor University, Dallas, 1996.

Robertson, R.G. A cephalometric comparison of two arch leveling mechanisms on adults. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1996.

McDermott, K.R. Reproducibility of landmarks on the lateral cephalographs of class I, class II, and class III patients. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1995.

Adame, David O. Cephalometric changes during lip bumper therapy. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1993.

Chaffe, Michael P. Binding friction in arch wires. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1993.

Sheldon, Susan R. A quantitative analysis of strain following post placement. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1991.

Cox, W.W. Microleakage in retrograde amalgams measured in vitro with an electrochemical technique. Master's Thesis, University of Michigan, Ann Arbor, 1988.

Tay, H.H. Laboratory simulation of microleakage in class 5 composite resin restorations placed without retention. Master's Thesis, University of Michigan, Ann Arbor, 1988.

Coleman, R.A. Dentin bonded post and cores: An in vitro failure analysis. Master's Thesis, University of Michigan, Ann Arbor, 1987.

Loney, R.W. Three-dimensional photoelastic stress analysis of the ferrule effect in cast post and cores. Master's Thesis, University of Michigan, Ann Arbor, 1987.

Saunders, R.D. Reinforcement of devital teeth with posts. Master's Thesis, University of Michigan, Ann Arbor, 1987.

Gordon, F.L. Cutting, bending and torsion analysis of four endodontic instrument designs. Master's Thesis, University of Michigan, Ann Arbor, 1986.

Hondrum, S.O. The strength of ceramic crowns tested using different methods. Master's Thesis, University of Michigan, Ann Arbor, 1986.

Whitefield, M.A. A comparison of the debridement abilities of hand and ultrasonic instrumentation in extracted human mandibular molars. Master's Thesis, University of Michigan, Ann Arbor, 1986.

Adams, D.M. The effect of bracket and tie variation on orthodontic forces. Master's Thesis, University of Michigan, Ann Arbor, 1985.

Santiago, R. Cutting efficiency of endodontic files in linear motion. Master's Thesis, University of Michigan, Ann Arbor, 1984.

Walters, C.J. Root surface roughness following the use of different polishing pastes. An in vitro study. Master's Thesis, University of Michigan, Ann Arbor, 1983.

Hostetler, R.W. The polishing effectiveness of the EVA prophylaxis system. An in vitro study. Master's Thesis, University of Michigan, Ann Arbor, 1982.

Gomez-Velutini, J.M. The importance of the thickness of the porcelain fused to metal on the selected shade. Master's Thesis, University of Michigan, Ann Arbor, 1982.

Gomez, A.A. Comparison of bristle stiffness of five different toothbrushes. Master's Thesis, University of Michigan, Ann Arbor, 1982.

Dolan, D.W. Bending and torsional characteristics of rhombus and square cross sectional endodontic files. Master's Thesis, University of Michigan, Ann Arbor, 1981.

Coffey, E.B. Wear rates of porcelain, acrylic and gold. Master's Thesis, University of Michigan, Ann Arbor, 1981.

Drake, S.R. and Wayne, D.M. Evaluation of stainless steel, TMA, and Nitinol orthodontic wires. Master's Thesis, University of Michigan, Ann Arbor, 1981.

Neal, R.G. The effects of wear, sterilization, and irrigants on the cutting ability of endodontic files. Master's Thesis, University of Michigan, Ann Arbor, 1980.

Young, J.L. A study of two methods for cementing pin-retained protheses with zinc phosphate cement. Master's Thesis, University of Michigan, Ann Arbor, 1979.

Kotz, E.A., Jr. A comparative study of the physical properties of experimental endodontic sealer formulations. Master's Thesis, University of Michigan, Ann Arbor, 1976.

Bates, T.R., Jr. The influence of eutectic carbide spacing on the wear of white iron. Ph.D. Dissertation, University of Michigan, Ann Arbor, 1975.

Arfaei, A. An evaluation of variables affecting a centrifugal testing method for bond strength. Master's Thesis, University of Michigan, Ann Arbor, 1974.

Munshi, M.V. Solid state studies on the polymorphs of methylprednisolone. Ph.D. Dissertation, University of Michigan, Ann Arbor, 1973.

Johnson, G.W. An evaluation of wear of prosthetic tooth materials. Master's Thesis, University of Michigan, Ann Arbor, 1973.

Brustad, R.A. Rheological analysis of three edentulous impression materials. Master's Thesis, University of Michigan, Ann Arbor, 1972.

Graduate Students Supervised

Theses or dissertations - supervisory professor

Pinzon, LM. Effect of mucoprotein on the bond strength of resin composite to human dentin. Master's Thesis, University of Texas Health Science Center at Houston Graduate School of Biomedical Sciences, Houston, 2005.

Saab, X. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004.

Shannon, M. The effect of self-etching adhesives on sealant bond strength. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2004.

Ontiveros, J. Intensity of light-emitting diode irradiance through various ceramic thicknesses and opacities. Master's Thesis, University of Texas Health Science Center at Houston Graduate School of Biomedical Sciences, Houston, 2004.

Li, D. Comparison of peel force of three silicone liners with two surface treatments by two test methods. Master's Thesis, University of Texas Health Science Center at Houston Graduate School of Biomedical Sciences, Houston, 2003.

Solomon, J. Comparison of Bond strengths of a filled sealant with and without a primer, contaminants, and thermocycling. University of Texas Health Science Center at Houston Dental Branch, Houston, 2003.

Roeder, L. Comparison of surface texture parameters to gloss of resin composites with different filler size. Master's Thesis, University of Texas Health Science Center at Houston Graduate School of Biomedical Sciences, Houston, 2003.

Gonzalez, M. Comparison of sand-to technique and electric discharge machining to obtain passive fit of a titanium implant-supported bar. University of Texas Health Science Center at Houston Dental Branch, Houston, 2002.

Moghrabi, B.K. The effectiveness of acrylic sealants in reducing surface roughness and color change after staining. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2002.

Lee, C.M. Effects of electrical discharge machining and misfit on prosthetic implant abutments. Master's Thesis, University of Texas Health Science Center at Houston, Dental Branch Houston, 2002.

Charunmethee, P. The effect of disinfection on the accuracy of interocclusal records. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2001.

Trajtenberg, C.T. Resin bond strength and micromorphology of human teeth prepared with an Erbium:YAG laser. Master's Thesis, University of Texas Health Science Center at Houston Graduate School of Biomedical Sciences, Houston, 2001.

El-Madani, R. Tensile bond strength of two metal alloys to denture acrylic resin using three surface treatments. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2001.

Nesbitt, M. A comparison of frictional resistance among low-friction brackets. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2001.

Recinos, M.E. Color stability of tinting materials (acrylics) for characterizing denture bases. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2001.

Stratmann, R.G. In vitro bond strengths of 6th generation bonding agents - Acidic primers utilized to bond orthodontic resins to enamel. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2001.

Su, J.-M. Effect of gold coating on the color of metal ceramic restorations. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2001.

Fay, R.-M. Clinical evaluation of a carbamide peroxide bleaching agent. Master's Thesis, University of Texas Health Science Center at Houston Graduate School of Biomedical Sciences, Houston, 2000.

O'Keefe, K.L. Adhesion of resin composite core material to dentin. Master's Thesis, University of Texas Health Science Center at Houston Graduate School of Biomedical Sciences, Houston, 2000.

Tsoukalas, N. Minimum thickness of ceramic required to mask the color changes of resin cements. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 2000.

Agostini, F. In vitro bond strength of seven bonding systems to stainless steel. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1999.

Amornsang, W. Effect of porcelain thickness on color of resin cements. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1999.

Jones, G.M. A comparison of color stability of denture tinting stains and poly (methyl methacrylate). Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1999.

Michael, D. Comparison of the bending properties of multistranded wires to single stranded wires at 37 degrees. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1999.

Ortega, E. Tensile Bond Strength of Three Dental Cements Bonded to Nickel-Chromium- Beryllium Alloy using Three Surface Treatments. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1999.

Pickering, R.C. In Vitro Bond Strength of Moisture-Tolerant Cements to Enamel. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1999.

Seder, S.J. Fracture toughness of fixed provisional materials incorporating highly drawn linear polyethylene fibers. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1999.

Lindsay, H.A. A comparison of frictional resistance among various esthetic brackets. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1998.

Stokes, L.M. Improvements in bonding of orthodontic bands. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1998.

Lafuente, J.D. Bond strength of an esthetic bonding system to alloy. Master's Thesis, University of Texas Health Science Center at Houston Graduate School of Biomedical Sciences, Houston, 1997.

Souci, C.A., Jr. Effect of impression materials, die stones, and die systems on the accuracy of working casts. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1997.

El-Rbigy, N. Evaluation of heat cure acrylic resin reinforced with polyethylene fibers or glass powder. Ph.D. Dissertation, Tanta University, Tanta, Egypt, 1996 (foreign supervisor).

Balderamos, L.P. Color accuracy of resin cements and try-in pastes. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1995.

Nelson, E.M. A comparison of surface roughness and frictional resistance of various arch wire/bracket combinations. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1995.

Alian, G.A. A study on the bond strength of some dentin adhesive systems. Ph.D. Dissertation, Cairo University, 1994. (foreign supervisor)

Bautsch, R.E. A comparison of binding friction with various archwire/bracket combinations. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1994.

Cochran, D.S. Tensile bond strengths to porcelain using all-purpose bonding agents. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1994.

Blalock, K.A. In-vitro bond strength of new esthetic orthodontic brackets and cements. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1993.

Colville, C.D. Effects of prestretching, activation length, and interlink distance on properties of orthodontic elastomeric chains. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1993.

Case, J.H. Effects of color and prestretching technique on properties of orthodontic elastomeric chains. Master's Thesis, University of Texas Master's Thesis, Master's Thesis, Health Science Center at Houston Dental Branch, Houston, 1992.

Cervantes, D.A. The effects of "the balanced force concept" of instrumentation on the counterclockwise torsional properties of endodontic files. Master's Thesis, University of Texas Health Science Center at Houston Dental Branch, Houston, 1992.

Berry, E.A., III. Factors affecting the bond strength of glass ionomer cement to dentin. Master's Thesis, University of Texas Health Science Center at Houston Graduate School of Biomedical Sciences, Houston, 1991.

Hyde, D.G. Physical properties of root canal sealers containing calcium hydroxide. Master's Thesis, University of Michigan, Ann Arbor, 1986.

Lin, M.-S. The viscometry of single-mix impression materials. Master's Thesis, University of Michigan, Ann Arbor, 1986.

Pan, Y.M. Tensile bond failures of resin-bonded bridge adhesives. Master's Thesis, University of Michigan, Ann Arbor, 1986.

Garcia, R. Evaluation of enhanced polymerization in orthodontic adhesives and a restorative composite. Master's Thesis, University of Michigan, Ann Arbor, 1985.

Evans, L.B. Factors affecting bond strength of no-mix orthodontic adhesive systems. Master's Thesis, University of Michigan, Ann Arbor, 1984.

Siomka, L.V. Bond strength of treated metal brackets. Master's Thesis, University of Michigan, Ann Arbor, 1984.

Wilkinson, E.E. An evaluation of mouth protectors. Master's Thesis, University of Michigan, Ann Arbor, 1984.

Wright, W.L. Tensile bond and rebond strength of four orthodontic adhesives. Master's Thesis, University of Michigan, Ann Arbor, 1984.

Dunsworth, D.L. Quantitative evaluation of scaling instrument contour and sharpening techniques. Master's Thesis, University of Michigan, Ann Arbor, 1983.

de Pulido, L.G. In vitro bond strength of plastic bracket-cement systems. Master's Thesis, University of Michigan, Ann Arbor, 1982.

Buzzitta, V.A.J. and Hallgren, S.E. In vitro bond strength of orthodontic direct bonding bracket-cement systems. Master's Thesis, University of Michigan, Ann Arbor, 1981.

Mooney, B.M. Evaluation of design parameters of gracey periodontal cures. Master's Thesis, University of Michigan, Ann Arbor, 1981.

Sasaki, G. Wear of interim acrylic materials. Master's Thesis, University of Michigan, Ann Arbor, 1981.

Yea, C.-L. The color and optical properties of shaded composites. Master's Thesis, University of Michigan, Ann Arbor, 1981.

Dickinson, P.T. Evaluation of fourteen direct bonding orthodontic bases. Master's Thesis, University of Michigan, Ann Arbor, 1980.

Raptis, C.N. Wear characteristics of prosthetic denture teeth. Master's Thesis, University of Michigan, Ann Arbor, 1980.

Duran, R. Viscoelastic properties of soft liners and tissue conditioners. Master's Thesis, University of Michigan, Ann Arbor, 1978.

Rabchinsky, D.S. Color stability and stain resistance of direct bonding orthodontic cements. Master's Thesis, University of Michigan, Ann Arbor, 1978.

Faust, J.B., II and Grego, G.N. Evaluation of thirteen direct bonding orthodontic cements. Master's Thesis, University of Michigan, Ann Arbor, 1977.

Solovan, D.F. Effects of denture cleansers on partial denture alloys and soft lining materials. Master's Thesis, University of Michigan, Ann Arbor, 1977.

Soni, P.M. Physical and mechanical properties of acrylic and modified acrylic denture resins. Master's Thesis, University of Michigan, Ann Arbor, 1976.

Vermilyea, S. The viscometry of two dental cements. Master's Thesis, University of Michigan, Ann Arbor, 1976.

Younis, O.M. Forces needed to initiate a crack in dental amalgams. Master's Thesis, University of Michigan, Ann Arbor, 1974.

Sponsorship of Dental and College Student Research Projects:

Mentor, Angela Incrapera, 2005

Mentor, Arti Gaur, 2004

Mentor, Derek Reznik, 2004

Mentor, Megan Weiskircher, 2004

Mentor, Arti Gaur, 2003

Co-Mentor, Belinda Nguyen, 2003

Co-Mentor, Babette Rivera, 2003

Co-Mentor, Ann Blaine, 2002

Co-Mentor, Dawn Evans, 2002

Co-Mentor, Shireen Irani, 2002

Co-Mentor, Huan Vo, 2002

Co-Mentor, Thai Vuu, 2002

Co-Mentor, Chris Freels, 2001

Co-Mentor, Dan Mallory, 2000

Co-Mentor, Marina Wetmore, 1999

Mentor, Yasmine Haddad, 1999

Mentor, Pamela Clark, 1999, 1998

Co-Mentor, Stanley Ngu, 1999, 1998

Co-Mentor, Tara Debner, 1998

Co-Mentor, Bill So, 1997, 1998

Co-Mentor, Bernadette DeSantos, 1997, 1996

PVAMU/UT-H Summer Research Co-mentor, Atske, 1996

Mentor, Jan Xie, 1995, 1994, 1993

Mentor, Bianca Davis, 1995, 1994

Mentor, Alan Iglesias, 1994

PVAMU/UT-H Summer Research Mentor, Adams, 1994,

PVAMU/UT-H Summer Research Mentor, Howard, 1993

Mentor, David Wolf, 1991, 1990 (AADR Student Research Fellowship)

Recent Professional and Continuing Education Presentations - Invited Speaker (1989 to date)

2011

Update on Bonding Agents, Composites, Digital Impressions, CAD/CAM Ceramics, and Resin Cements, West Michigan District Dental Society, Grand Rapids, MI, March 11, 2011.

Digital Impressions and CAD/CAM Ceramics, UTHealth Dental Branch at Houston, DENS 4671, February 10, 2011.

Digital Impressions and CAD/CAM Ceramics, UTHealth Dental Branch at Houston, AEGD Residents, February 10, 2011.

2010

Update on Bonding Agents and Composites, MI Dental Association, Grand Rapids, MI, October 1, 2010.

Digital Impressions, GC Advanced Technologies, Costa Mesa, CA, September 23, 2010.

Digital Impressions and CAD/CAM Ceramics, Western Piedmont Dental Society, Hickory, NC, September 16, 2010.

Digital Impressions and CAD/CAM Ceramics, Kuraray America, New York, NY, June 17, 2010.

Digital Impressions and CAD/CAM Ceramics, Houston@Nis 1st Intercontinental Symposium on Contemporary Dentistry, Nis, Serbia, June 3-4, 2010.

Materials for Direct Restorations, Materials for Indirect Restorations, Digital Impressions and CAD/CAM Ceramics, Star of the South, Houston, TX, April 16-17, 2010.

The Dental Advisor Study Club - Introduction to Bonding Agents, Dental Consultants, Inc., Ann Arbor, MI, February 15, 2010.

2009

Update on Dental Materials for Direct and Indirect Restorative Dentistry, Dental Consultants, Inc., Ann Arbor, MI, December 29, 2009.

Clinical and Laboratory Properties of Low-shrink Composites, Septodont Symposium, Miami, FL, November 6, 2009.

Controversies in Adhesion Dentistry: ZIRCONIA. Zirconia in Dentistry – The Milling Center Perspective, Bisco Symposium, Chicago, IL, August 28, 2009, 70 attendees.

Update on Bonding and Composites, Tokuyama America National Sales Meeting, Ann Arbor, MI, August 18, 2009, 25 attendees.

CAD/CAM Ceramics and Digital Impressions, LSU School of Dentistry, New Orleans, LA, July 21, 2009, 30 attendees.

Update on Direct and Indirect Restorative Materials, Wyoming Dental Convention, Cheyenne, WY, June 19, 2009, 80 attendees.

Technique Sensitivity in Bonding – The Last Frontier, Septodont, Denver, CO, June 18, 2009, 6 attendees.

Update on Direct and Indirect Restorative Materials, Inland Northwest Dental Conference, Spokane, WA, April 23, 2009, 160 attendees.

2008

CAD/CAM Dentistry and Zirconia Ceramics, Seminar at the University of Texas Dental Branch at Houston, Houston, TX, January 15, 2008, 20 attendees.

2007

Update on Bonding Agents, Resin Cements and Impression Materials. 3M ESPE, St. Paul, MN, October 23, 2007, 40 attendees.

Update on Bonding Agents and Resin Cements. Ivoclar Vivadent, Amherst, NY, October 9, 2007, 20 attendees.

Update on Resin Cements. University of Detroit-Mercy, Detroit, MI, May 16, 2007, 50 attendees.

Dental Materials for the 21st Century: Resin Cements. Ann Arbor, MI, April 11, 2007, 13 attendees.

Dental Materials for the 21st Century: Bonding Agents. Ann Arbor, MI, February 7, 2007, 13 attendees.

Update on Bonding Agents and Resin Cements. Seminar at the University of Texas Dental Branch at Houston, Houston, TX, January 9, 2007, 25 attendees.

2006

Bonding Agents and Self-adhesive Resin Cements – What's New? Presented at the Annual Lecture of THE DENTAL ADVISOR, Ann Arbor, MI, November 10, 2006, 80 attendees.

Dental Materials for the 21st Century: Impression Materials, Ann Arbor, MI, Sept 13, 2006, 24 attendees.

Properties of SENN. GC America Spring Fellowship, Chicago, IL, May 6, 2006, 40 attendees.

Updates on Bonding and Resin Cements. Presented at the Star of the South, Houston, TX, April 20, 2006, 40 attendees.

2005

Updates on Bonding, Composites, Cements, Impression Materials, and Ceramics. Presented at the Michigan AGD, Lansing, MI, November 18, 2005, 100 attendees.

Technique Sensitivity - The Last Challenge in Bonding to Tooth Structure? Presented at the Annual Lecture of THE DENTAL ADVISOR, Ann Arbor, MI, November 11, 2005, 105 attendees.

Technique Sensitivity - The Last Challenge in Bonding to Tooth Structure? And Update on Resin Cements. Presented at the Fort Bend Dental Study Club, Sugar Land, TX, November 4, 2005, 20 attendees.

Technique Sensitivity - The Last Challenge in Bonding to Tooth Structure? And Update on Resin Cements. Presented at the Texas Meeting, San Antonio, TX, May 12, 2005, 55 attendees.

Update on Resin Composites and Update on Impression Materials. Presented at the Texas Meeting, San Antonio, TX, May 12, 2005, 50 attendees.

2004

Technique Sensitivity - The Last Challenge in Bonding to Tooth Structure? Presented at the University of Erlangen, Erlangen, Germany, November 18, 2004, 28 attendees.

Technique Sensitivity - The Last Challenge in Bonding to Tooth Structure? Presented at the University of Regensburg, Regensburg, Germany, November 17, 2004, 48 attendees.

Microleakage and Bonding of Resin and Silorane Composites, Presented at the International Dental Innovation Symposium Munich 2004, Munich, Germany, November 15, 2004, 120 attendees.

Technique Sensitivity - The Last Challenge in Bonding to Tooth Structure? Presented at Tokuyama Dental, Tsukuba, Japan, September 22, 2004, 30 attendees.

Update on Research at the Houston Biomaterials Research Center. Presented at Tokuyama Dental, Tsukuba, Japan, September 22, 2004, 30 attendees.

Technique Sensitivity - The Last Challenge in Bonding to Tooth Structure? Presented at GC Corp., Tokyo, Japan, September 21, 2004, 40 attendees.

Update on Research at the Houston Biomaterials Research Center. Presented at GC Corp., Tokyo, Japan, September 21, 2004, 40 attendees.

Factors that Affect Bonding to Tooth Structure. Presented at Greater Houston Dental Society September General Meeting, Houston, TX, September 14, 2004, 11 attendees.

How to Establish a Faculty Research Enrichment Program for Clinical Faculty. Presented at the annual meeting of the American Dental Education Association, Seattle, WA, March 6-9, 2004. [workshop with P. O'Neill, J. Bilan]

Development of a Faculty Research Enrichment Program for Dental Educators. Presented at Advances in Teaching and Learning 2004 - The Future of Education & Technology, Houston, TX, February 26, 2004. [poster with P. O'Neill, J. Bilan]

2003

Bonding to Tooth Structure. Presented at The Dental Advisor Lecture, Ann Arbor, MI, November 7, 2003, 175 attendees.

Update on Bonding Agents. Presented at University of Louisville School of Dentistry, Louisville, KY, May 15, 2003, 150 attendees.

Advances in Bonding. Presented at 3M ESPE, St. Paul, MN, May 9, 2003, 50 attendees.

Research at the Houston Biomaterials Research Center. Presented at Hysitron, Minneapolis, MN, May 8, 2003, 10 attendees.

Update on Bonding Agents. Presented at 3M ESPE/Patterson, Houston, TX, April 11, 2003, 30 attendees.

Update on Bonding. Presented at Ivoclar Vivadent, Amherst, NY, April 4, 2003, 40 attendees.

Development and Implementation of the UT-Houston Dental Branch Faculty Research Enrichment Program. Presented at Advances in Teaching and Learning 2003 - The Future of Education & Technology, Houston, TX, March 28, 2003. [poster with P. O'Neill, J. Bilan]

Color Science in Prosthodontics. Presented at University of Texas Health Science Center at San Antonio Dental School, San Antonio, TX, March 24, 2003, 8 residents and faculty.

Properties of Xeno III Bonding Agent. Presented at Dentsply/Caulk Winter Fellowship, Chicago, IL, February 27, 2003, 80 dentists.

Enhance Your Practice with Esthetic Dentistry's Best Kept Secrets - Update on Bonding and Composites. Presented at the Star of the South, Houston, TX, February 13, 2003, 250 dentists.

Polishing of Composites - PoGo. Presented at Dentsply/Caulk National Sales Meeting, Baltimore, MD, February 9, 2003, 150 people.

Bonding to Tooth Structure - Xeno III. Presented at Dentsply/Caulk National Sales Meeting, Baltimore, MD, February 9, 2003, 150 people.

2002

Update on Bonding and Esthetic Composites. Presented at Baytown Dental Study Club, Baytown, TX, Nov 26, 2002, 16 dentists.

Hooked on Research - Catch the Spirit. Presented at 22nd Annual Dental Research Day, LSU Health Sciences Center School of Dentistry, New Orleans, LA, June 5, 2002, 30 faculty and students.

Research Collaboration. Presented at Calcified Tissue Meeting, Shriner's Hospital, Houston, TX, March 29, 2002, 15 scientists.

Color Science in Prosthodontics. Presented at University of Texas Health Science Center at San Antonio Dental School, San Antonio, TX, March 25, 2002, 6 residents and faculty.

Properties of Self-adhesive Cement. Presented at 3M ESPE Spring Conference, Austin, TX, March 14, 2002, 50 dentists and educators.

2001

Human subjects and research ethics. Presented at Meharry Medical College School of Dentistry, Nashville, TN, November 9, 2001, 10 faculty.

Bonding to tooth structure. Presented at Meharry Medical College School of Dentistry, Nashville, TN, November 9, 2001, 55 dental students and faculty.

Generations - Bonding to Tooth Structure in the 21st Century. Presented at Nippon Dental University, Niigata, Japan, June 25, 2001, 35 dental students and faculty.

Update on Bonding Agents and Composites. Presented at University of Texas-Houston Dental Branch, May 11, 2001, 17 dentists.

Current Research at HBRC, Presented at 3M ESPE, St. Paul, MN, April 25, 2001, 40 scientists.

2000

Update on Bonding Agents, Presented at University of Detroit-Mercy, Detroit, MI, November 10, 2000, 60 students and faculty.

Update on Bonding Agents and Packable Composites. Presented at HAGD Mastership Program - Montage of Dental Materials, University of Texas-Houston Dental Branch, Houston, TX, August 11-12, 2000, 23 dentists.

Composites - Packable, Flowable and Laboratory - Properties and Indications, University of Michigan School of Dentistry, June 14, 2000, 18 dentists.

Integration of Biomaterials Curriculum and Research with Prosthodontics and Operative Dentistry, Hochiminh City Dental Congress and International Expodent 2000, Hochiminh City, Vietnam, April 26, 2000, 50 dentists.

Update on Bonding Agents and Packable Composites, Willowbrook Dental Study Club, Houston, TX, March 7, 2000, 20 dentists.

Update on Bonding and Composites. Presented at UTMB CMC Dental Symposium 2000, Huntsville, TX, January 10, 2000, 200 dentists.

1999

Update on Bonding and Packable Composites. Presented at University of British Columbia, School of Dentistry, October 15, 1999, 9 dentists.

Update on Bonding Agents, Packable Composites and Compomers. Presented at Advances in Air Abrasion Technology, Flowable Compomers and Condensable Composites, University of Texas-Houston Dental Branch, September 23, 1999, 17 dentists.

Restorative Dentistry and Biomaterials - Advances in Indirect Composites, Charles A. George Dental Society, Houston, TX, September 14, 1999, 30 dentists.

Modern Composite Restoratives. Creighton University School of Dentistry, Omaha, NE, August 25, 1999, 25 faculty.

Update on Bonding - Effects of Techniques and Environments. Dentists of the World Symposium, Konstanz, Germany, July 5-6, 1999, 50 scientists and dentists.

Update on Bonding Agents. Presented at Advances in Air Abrasion Technology, Flowable Compomers and Condensable Composites, University of Texas-Houston Dental Branch, June 11, 1999, 23 dentists.

Institutional Planning and Outcomes Assessment, AADS Faculty Development Workshop, Vancouver, BC, Canada, March 8, 1999, 16 participants. (with J. Bilan)

Bonding - New Products, New Questions, 1999 Greater Houston Dental Meeting, February 19, 1999.

1998

Review of HBRC Research, Voco, Cuxhaven, Germany, December 18, 1998.

Update on Condensable and Laboratory Composites, University of Regensburg, Regensburg, Germany, December 16, 1998, students and faculty.

Review of ESPE-sponsored Research, ESPE, Seefeld, Germany, December 14, 1998, dentists and scientists.

Update on Compomers, Flowable Composites, Condensable Composites, and Bonding Agents, University of Texas-Houston Dental Branch, December 4, 1998, 30 dentists.

Are Composites Really Condensable?, GHDS September General Meeting - Tale and Ale, September 15, 1998, 10 dentists.

Update on Bonding Agents, Compomers and Condensable Composites, University of Texas-Houston Dental Branch, June 20, 1998, 22 dentists.

Update on Bonding Agents, Compomers and Condensable Composites, University of Maryland Baltimore College of Dental Surgery, Baltimore, MD, June 2, 1998, 6 dentists.

Update on Bonding Agents, Compomers and Condensable Composites, University of Maryland Baltimore College of Dental Surgery, Baltimore, MD, June 1, 1998, 20 dentists.

Oral Biomaterials in 1998 - New Products, New Questions; Bauru Dental School-USP, Bauru, SP, Brazil, May 15, 1998, 80 dentists and students.

Advances in Resin Cements; Bauru Dental School-USP, Bauru, SP, Brazil, May 15, 1998, 35 dentists.

Advances in Resin Cements; University of Sao Paulo Dental School, Sao Paulo, SP, Brazil, May 13, 1998, 30 dentists.

Update on Bonding Agents, Compomers and Composites; Sao Francisco University, Braganca Paulista, SP, Brazil, May 11, 1998, 75 dentists.

Advances in Resin Cements; Sao Francisco University, Braganca Paulista, SP, Brazil, May 11, 1998, 20 dentists.

Physical and Mechanical Properties of Compolute, Symposium entitled Composite Resin Cements - New Materials for a New Millennium, Sponsored by ESPE America, California Dental Association Meeting, Anaheim, CA, April 16, 1998, 75 dentists.

Biomaterials in Dentistry - An Update for Brazilian Dentists, UT-Houston Dental Branch Continuing Education, Houston, TX, March 19, 1998, 50 dentists, lecturer (1 hour).

Institutional Planning and Outcomes Assessment, AADS Faculty Development Workshop, Minneapolis, MN, March 4, 1998, 18 participants. (with J. Bilan)

Organizer and Moderator, AADS Symposium - Developing Partnerships between Dental Schools, Hospitals and Corporations; Minneapolis, MN, March 2, 1998, 110 participants.

Montage of Dental Materials, UT-Houston Dental Branch Continuing Education, Houston, TX, January 9-10, 1998, 15 dentists, course director and lecturer (2 hours).

1997

Factors Influencing Dentin Bonding, Dentsply/Caulk, Milford, DE, December 4, 1997, 30 scientists and marketing people.

Update on Dentin Bonding, Dental Consultants, Inc., Ann Arbor, MI, November 21, 1997, 85 dentists and staff.

Bonding Agents, Flowable Composites and Compomers, Sugar Land, TX, September 24, 1997, 30 dentists.

Update on Bonding and Compomers, Ivoclar North America, Amherst, NY, July 22, 1997, 12 scientists and others.

Implementing Outcomes Assessment, Texas Tri-School Faculty Advance, College Station, TX, June 17, 1997, 11 faculty.

Laboratory Evaluation of Current Dental Biomaterials. Presented at "The Past, Current, and Future of Dental Biomaterials: A Symposium in Honor of Robert G. Craig, PhD." June 6, 1997, Traverse City, MI, 75 dentists.

Advances in Dentin Bonding and Adhesive Materials, 3M Dental Products, St. Paul, MN, June 4, 1997, 20 scientists.

Update on Bonding, Ludwig Maximilians Munich University, Munich, Germany, January 24, 1997, 60 students and faculty.

Update on Bonding, University of Regensburg, Regensburg, Germany, January 23, 1997, 55 students and faculty.

Advances in Bonding, ESPE, Seefeld, Germany, January 20, 1997, 40 chemists and marketing representatives.

1996

Advances in Bonding to Dental Substrates, LSU-AADR Section, New Orleans, LA, December 11, 1996.

Conservative Dentistry Today - Current Adhesive Systems, UTHSCSA, San Antonio, TX, July 12, 1996, 18 dentists.

Advances in Bonding Agents and Composites, E & D Dental Products, Teadale, NJ, June 4, 1996, 30 dental sales representatives.

Research Protocols, Universidade de Pernambuco, Faculdade de Odontologia, Recife, PE Brazil, May 23, 1996, 6 residents and graduate students.

Research Design, Universidade de Pernambuco, Faculdade de Odontologia, Recife, PE Brazil, May 22, 1996, 8 graduate students.

Update on Bonding, Universidade de Pernambuco, Faculdade de Odontologia, Recife, Brazil, May 22, 1996, 90 predoctoral and graduate students and faculty.

New Development in Adhesive Materials, Universidade de Sao Paulo, Faculdade de Odontologia, SP Brazil, May 20, 1996, 42 graduate students and faculty.

Update on Bonding, Escola de Aperfeiçoamento Profissional, Araraquara, SP Brazil, May 17, 1996, 26 predoctoral and graduate students and faculty.

Research Funding and Cooperating with Dental Industry, UNESP Faculdade de Odontologia de Araraquara, SP Brazil, May 17, 1996, 14 graduate students and faculty.

Update on Bonding, UNESP Faculdade de Odontologia de Araraquara, SP Brazil, May 16, 1996, 70 predoctoral and graduate students and faculty.

Update on Bonding, Universidade de Sao Paulo, Faculdade de Odontologia de Bauru, Bauru, SP Brazil, May 15, 1996, 16 residents.

Advances in Bonding and Resin Cements, Universidade de Sao Paulo, Faculdade de Odontologia de Bauru, Bauru, SP Brazil, May 14, 1996, 64 graduate students.

Update on Bonding, Universidade de Sao Paulo, Faculdade de Odontologia de Bauru, Bauru, SP Brazil, May 13, 1996, 60 predoctoral students.

Advances in Dentin Bonding, Baylor College of Dentistry, Dallas, TX, April 4, 1996, 25 faculty.

Update on Dentin Bonding Agents, Baylor College of Dentistry, Dallas, TX, April 4, 1996, 90 students.

1995

Color in Dentistry, UTHSCSA, San Antonio, TX, Oct. 12, 1995, 90 dental students.

Update on Dentin Bonding, 5th Generation Adhesive Symposium, Bisco, Inc., San Diego, CA, Aug. 17-20, 1995, 100 dentists and researchers.

Contemporary Dental Materials - All-Purpose Bonding, Baylor College of Dentistry, Dallas, TX, Mar. 30, 1995, 90 students and faculty.

A New Perspective on Adhesives and Restorative Materials: The Dyract and Prime & Bond Scientific Symposium, Caulk/Dentsply, San Antonio, TX, Mar. 7, 1995, 40 dentists and educators.

Recent Advances in Adhesives and Restorative Materials: The Dyract and Prime & Bond Scientific Symposium, Caulk/Dentsply, Chicago, IL, Feb. 22, 1995, 150 dentists.

1994

Update on Recent Research, Ivoclar North America, Amherst, NY, Oct. 28, 1994, 12 scientists.

Color in Dentistry, UTHSCSA, San Antonio, TX, Oct. 13, 1994, 12 residents and faculty.

Color in Dentistry, UTHSCSA, San Antonio, TX, Oct. 13, 1994, 90 dental students.

Update on Hybrid Glass Ionomers, Hill Dental Co., Inc. Doctor Education Seminar, Houston, TX, Oct. 7, 1994, 35 dentists

Properties of Hybrid Ionomers, Heraeus Kulzer, Wehrheim, Germany, Jan. 11, 1994, 3 scientists.

Properties of Hybrid Ionomers, University of Regensburg, Regensburg, Germany, Jan. 10, 1994, 30 dental faculty.

Improvements in Glass Ionomers, University of Regensburg, Regensburg, Germany, Jan. 10, 1994, 80 dental students.

Properties of Hybrid Ionomers, ESPE, Seefeld, Germany, Jan. 4, 1994, 35 scientists.

1993

All-purpose Bonding, UTDB Study Club in Restorative Materials & Techniques, Houston, TX, December 10, 1993, 20 dentist.

Composites and Curing Lights, UTDB Study Club in Restorative Materials & Techniques, Houston, TX, November 19, 1993, 20 dentists.

Dental Amalgam and Mercury Hygiene, Texas Department of Corrections, Huntsville, TX, Nov. 18, 1993, 100 dentists and assistants.

Improvements in Ionomer Restorations, Office of Continuing Dental Education, University of Michigan, Ann Arbor, MI, Oct. 4-5, 1993, 40 faculty and students.

Curriculum and Research in Dental Materials at UT-Houston, Southeastern Dental Materials Meeting, Jackson, MS, Aug. 14, 1993, 45 faculty and students

Color Science in Dentistry, Baylor College of Dentistry, Dallas, TX, July 1, 1993, 5 residents and faculty

Direct and Indirect Composites, UTDB Study Club in Restorative Materials & Techniques, Houston, TX, April 16, 1993, 20 dentists.

Update on Dental Materials (10.5 hrs), Monterrey, Mexico, Feb. 19-20, 1993, 100 dentists.

1992

Update on Resin Cements, AADS Biomaterials Section - Interim Meeting, Orlando, FL, October 15, 1992, 80 teachers.

Resin-Metal Bonding, Houston Laboratory Technicians, Houston, TX, September 1, 1992, 20 technicians.

Indirect Composites and Resin Cement Bonding, Southeast Texas Section of the American College of Prosthodontists, Houston, TX, July 30, 1992, 30 dentists

Post-cure Properties of Indirect Composite Resins and Current Bonding Techniques, Department of Cariology and General Dentistry, University of Michigan, July 10, 1992, 20 faculty.

Update in General Dentistry in Spanish - Dental Materials, Houston, TX, Mar. 4, 1992, 70 dentists.

Wear of Composites, Esthetic Dentistry Miniresidency, Houston, TX, Feb. 7, 1992, 7 dentists.

UTDB Study Club in Restorative Materials & Techniques, Houston, TX, January 10, 1992 - Anterior/Posterior Composites, 10 dentists.

1991

Bonding Acrylics to Metal, New Orleans Section of AADR, New Orleans, LA, December 9, 1991, 25 faculty and residents.

Resin-Metal Bonding, UTDB Study Club in Restorative Materials & Techniques, Houston, TX, December 6, 1991, 10 dentists

Composition and Properties of Amalgam, UTDB Study Club in Restorative Materials & Techniques, Houston, TX, October 11, 1991, 10 dentists

Amalgam and Mercury Toxicity, Exxon Production Research Co., Houston, TX, September 19, 1991, 35 scientists.

Chemistry of Dentin Bonding, UTDB Study Club in Restorative Materials & Techniques, Houston, TX, September 13, 1991, 10 dentists

Resin to Metal Bonding - Is There a Future, Baylor College of Dentistry, Dallas, TX, August 30, 1991, 15 faculty.

Dental Esthetic Materials, Mountain Retreat in Esthetic Dentistry, Estes Park, CO, June 15, 1991, 14 dentists.

The Latest in Dental Esthetic Materials, Mountain Retreat in Esthetic Dentistry, Estes Park, CO, June 13, 1991, 14 dentists.

New Prosthodontic Adhesives, Baytown Study Club, Baytown, TX, March 26, 1991, 25 dentists.

New Developments in Adhesive Resins and Cements, Biomaterials Section, AADS, New Orleans, LA, March 11, 1991, 25 teachers.

Advances in Cementation of Esthetic Restorations, Greater Houston Dental Meeting, Houston, TX, March 7, 1991, 125 dentists.

1990

Advances in Cements and Impression Materials, ADA Scientific Session, Boston, MA, October 14, 1990, 175 dentists.

Adhesive Dental Cement, "Recent Development of Restorative Materials, The Fourth International Dental Seminar of The Nippon Dental University, Niigata, Japan, September 23, 1990, 240 dentists.

Cements for Indirect Composite Restorations, Bryan, TX, August 2, 1990, 34 dentists.

Review of Dental Materials, Fort Hood, TX, April 26-27, 1990, 16 dental residents and 90 dentists.

Dental Elastomers, Adhesives and Resins, Dow Chemical USA, Freeport, TX, January 17, 1990, 8 scientists.

1989

New Developments in Dental Impression Materials and Cementation of Esthetic and Permanent Restorations, El Paso Study Club, El Paso, TX, December 8, 1989, 30 dentists

Advances in Dental Materials, Ohio Dental Association, Columbus, OH, September 15, 1989, 90 dental auxiliaries

Resin Cements, UTDB Alumni Homecoming, Houston, TX, August 26, 1989, 14 dental alumni

Teaching and Research in Oral Biomaterials at UTDB, Southeastern Dental Materials Group, New Orleans, LA, July 29, 1989, 25 teachers

Advances in Resin Cements and Impression Materials, R.H. Kingery Prosthodontic Study Club, Ann Arbor, MI, April 12, 1989, 35 dentists

Scientific Presentations (1989 to date)

Powers JM, Yapp RA, Malmsten A. Bond strength of self-adhesive resin cement to tooth structure/ceramics. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, San Diego, CA, March 16-19, 2011.

Powers JM, Yapp R. Physical and mechanical properties of elastomeric impression materials. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group, Washington, DC, March 3-6, 2010.

Paravina RD, Eldiwany MS, Powers JM. Changes in color, translucency and gloss of aged resin composites. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, Toronto, Canada, July 2-5, 2008.

Yapp R, Powers JM*. Mechanical properties of monophasic impression materials. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group, Dallas, TX, April 2-5, 2008.

Krishnan GA, Yapp RA, Powers JM*. Dimensional stability and mechanical properties of alginate substitutes and alginate. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, New Orleans, LA, March 21-24, 2007.

Roeder L, Lu H, Powers JM*. Surface parameter as a predictor of gloss for resin composites. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group, Orlando, FL, March 8-11, 2006.

Powers JM*, Paravina RD, Oguri M. Translucency and gloss of resin composites. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, Baltimore, MD, March 9-12, 2005.

Powers JM*. Technique Sensitivity - The Last Challenge in Bonding to Tooth Structure? Presented at the annual meeting of the Japanese Society for Dental Materials and Devices, Japan, September 24, 2004, 200 attendees.

Powers JM*, Pinzon LM, Kimura M. Bond strength of adhesive resin cements to tooth structure. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group, Honolulu, HI, March 10-13, 2004.

O'Neill PN*, Powers JM*, Bilan J. Development of a Faculty Research Enrichment Program for Dental Educators. [Delivered at] the annual meeting of the American Dental Education Association, Seattle, WA, March 6-9, 2004.

Powers JM*, Paravina RD, Kimura M. Polishing-dependent gloss changes of resin composites of different shades. [Delivered at] the annual meeting of the Academy of Dental Materials, Charleston, SC, October 25-27, 2003.

Powers JM*, Paravina R, Roeder L, Lu H, Vogel K. Effect of polishing on surface roughness and gloss of composites. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group Chapter, San Antonio, TX, March 12-15, 2003.

Powers JM*, Roeder LB, Lu H, Paravina R. Surface roughness and gloss of polished composites. [Delivered at] the Fourth International Congress on Dental Materials, Honolulu, HI, October 29-November 1, 2002.

Powers JM*, Paravina R, Ontiveros JC. Translucency parameter of bleach shades of microhybrid and microfilled composites. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, San Diego, CA, March 6-9, 2002.

Powers JM*, Stratmann R, Asgari S, Messersmith M. Bond strength of self-etching primer/orthodontic resin to enamel. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, Chiba, Japan, June 28, 2001.

Powers JM*, O'Keefe KL, Kaaden C, Pinzon LM. Correlation of inverted cone tensile and microtensile bond strengths. [Delivered at] the 27th Annual Meeting of the Society for Biomaterials, St. Paul, MN, April 24-29, 2001.

Powers JM*, Kaaden C. Tensile Bond Strength of Self-etching Primer to Human Teeth. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group, Chicago, IL, March 7-10, 2001.

Powers JM*, Li D. Bond strength of composite as affected by tooth substrate, [Delivered at] the annual meeting of the Academy of Dental Materials, New Orleans, LA, Oct. 26-28, 2000.

Powers JM*, Li D. Bond strength of light- and self-cured flowable composite to dentin. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, Washington, DC, April 5-8, 2000.

Powers JM*, Li D. Bond strength of bonding agent/composite as affected by application technique, [Delivered at] the annual meeting of the Academy of Dental Materials, Tempe, Arizona, Oct. 28-30, 1999.

Powers JM*, You C, Tate WH. Bond strength of compomers to human dentin using acidic primers. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, Vancouver, BC, March 10-13, 1999.

Powers JM*, O'Keefe KL, Li D. Bond strength of three advanced composites to gold alloy, [Delivered at] the annual meeting of the Academy of Dental Materials, Banff, Alberta, Canada, Oct. 1-3, 1998.

Powers JM*, You C. Flexural properties of resin cements affected by curing mode. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group, Minneapolis, MN, March 4-7, 1998.

Powers JM*, You C. Bond strength of resin cements to dentin affected by curing. [Delivered at] the Third International Congress on Dental Materials, Honolulu, HI, November 4-8, 1997.

Powers JM*. Review of parameters affecting dentin bonding. [Delivered at] the meeting of the American Chemical Society, Las Vegas, NV, September 8-9, 1997.

Powers JM*. Clinical parameters affecting dentin bonding. [Delivered at] the 9th Conference and Workshop Texas Mineralized Tissue Society, Corpus Christi, TX, August 1-3, 1997.

Powers JM *, You C, Choi BC. Bond strength of hybrid ionomers to cementum and dentin. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, Orlando, FL, March 19-23, 1997.

Powers, J.M.* and Burgess, J.O. Performance Standards for Competitive Dental Restorative Materials, [Delivered at] the annual meeting of the Academy of Dental Materials, Munich, Germany, Oct. 30 - Nov.1, 1996.

Powers, J.M. *, Turner, D.S. and Nakano, A. Bonding of hybrid ionomers to unetched enamel and orthodontic brackets. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, San Francisco, CA, March 13-17, 1996.

Powers, J.M. * and You, C. Bonding to dentin with acidic primer/adhesive containing PENTA. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group, San Antonio, TX, March 10-13, 1995.

Powers, J.M., Doray, P.G., Fay, R.-M., and Berry, III, E.A. Accelerated aging affects color stability of resin-coated hybrid ionomers. [Delivered at] Academy of Dental Materials Conference on Lifetime Prediction and Failure Analysis of Restorative Materials, Southampton, Bermuda, Nov. 10-12, 1994.

Powers, J.M. *, Finger, W.J. and Xie, J. Bonding of composite to human dentin and enamel. [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, Seattle, WA, March 9-13, 1994.

Powers, J.M. * and Xie, J. In-vitro bond strength of composite to contaminated human teeth. Presented at Arbeitsgemeinschaft fur Grundlagenforschung, Mainz, Germany, Jan. 13-14, 1994.

Chang, J.C., Powers, J.M.* and Hart, D. Bond strength of composite to alloy treated with bonding systems, [Delivered at] the annual meeting of the International Association for Dental Research, Dental Materials Group, Chicago IL, March 11-14, 1993.

McGuckin, R.S., Powers, J.M.*, and Li, L. Bond strength of dentin bonding agents to enamel and dentin. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group, Boston, MA, March 11-14, 1992.

Powers, J.M.*, Smith, L.T., Eldiwany, M., and Ladd, G.D. Mechanical properties of a post-cured composite. [Delivered at] the annual meeting of the Academy of Dental Materials, Chicago, IL, Feb. 13-14, 1992.

Smith, L.T., Powers, J.M.* and Ladd, D. Mechanical properties of new denture resins cured by heat and microwave energy. [Delivered at] the annual meeting of the Academy of Dental Materials, Chicago, IL, February 14-15, 1991.

Powers, J.M.* and Cowperthwaite, G.F. Surface tension of dental oligomers and polymers. [Delivered at] the annual meeting of the Academy of Dental Materials, Chicago, IL, February 8-9, 1990.

Powers, J.M.*, Pratten, D.H., Collard, S.M., and Cowperthwaite, G.F. Rate of wetting of oligomers on polymers. [Delivered at] the International Congress on Dental Materials, Honolulu, HI, November 1-4, 1989.

Powers, J.M.* and Filisko, F.E. Dielectric spectroscopy of dental polymers and composites. [Delivered at] the annual meeting of the American Association for Dental Research, Dental Materials Group, San Francisco, CA, March 15-19, 1989.

Abstracts (1989 to date):

557. Berthold C, Mitterhuber B, Binus SM, Koch ATA, **Powers JM**, Petschelt A. Bonding of FRC-posts – Influence of substrate and luting system. J Dent Res 90 (Spec Iss A): 2011 [Abstract 510] (www.dentalresearch.org).

556. **Powers JM**, Yapp RA, Malmsten A. Bond strength of self-adhesive resin cement to tooth structure/ceramics. J Dent Res 90 (Spec Iss A): 2011 [Abstract 511] (www.dentalresearch.org).

555. Yapp RA, **Powers JM**. Effect of retraction pastes on bond strength of self-adhesive cements. J Dent Res 90 (Spec Iss A): 2011 [Abstract 1889] (www.dentalresearch.org).

554. Ekhlassi S, English JD, Ontivero JC, **Powers JM**, Bussa HI, Colville CD, Ellis RK, Knowles JM. Bond strength comparison of color change adhesives for orthodontic bonding. J Dent Res 90 (Spec Iss A): 2011 [Abstract 1895] (www.dentalresearch.org).

553. Han Y, Zhao Y, **Powers JM**, Kiat-amnuay S. Mechanical properties and color stability of nano-oxides pigmented maxillofacial elastomer. J Dent Res 90 (Spec Iss A): 2011 [Abstract 2005] (www.dentalresearch.org).

552. Cheng EC, English JD, Machicek SL, **Powers JM**. Selenium adhesive debond forces with stainless steel and ceramic brackets. J Dent Res 90 (Spec Iss A): 2011 [Abstract 3159] (www.dentalresearch.org).

551. Hirano K, Yapp RA, **Powers JM**, Heiss MA. Bond strength to ground and unground enamel of G-aenial Bond. J Dent Res 90 (Spec Iss A): 2011 [Abstract 3167] (www.dentalresearch.org).

550. Yapp R, Malmsten A, **Powers JM**. Gloss of provisional composite coated with SURFACE COAT liquid polish. Dent Adv Res Rpt 28:1, April 2010. [<http://www.dentaladvisor.com/publications/research-reports/index.shtml>]

549. Binus SM, Ebert T, Koch ATA, Petschelt A, **Powers JM**, Berthold C, Holzschuh B. Bonding of FRC-posts – Influence of luting systems after aging. J Dent Res 89 (Spec Iss B): 2010 [Abstract 4483] (www.dentalresearch.org).

548. Ebert T, Koch ATA, Binus SM, **Powers JM**, Petschelt A, Berthold C. Bonding of FRC-posts – Influence of luting systems and post design. J Dent Res 89 (Spec Iss B): 2010 [Abstract 4482] (www.dentalresearch.org).

547. Koch ATA, Binus SM, Ebert T, Petschelt A, **Powers JM**, Berthold C. Bonding of FRC-posts to bovine teeth – Influence of luting systems. J Dent Res 89 (Spec Iss B): 2010 [Abstract 3929] (www.dentalresearch.org).

546. Mackert T, Binus SM, Koch ATA, **Powers JM**, Petschelt A, Berthold C. Bonding of

FRC-posts to luing systems - Influence of application technique. J Dent Res 89 (Spec Iss B): 2010 [Abstract 3928] (www.dentalresearch.org).

545. Berthold C, Schwertner K, Wimmer S, O'Keefe K, Petschelt A, **Powers JM**. Comparison of various bond-strength-testing methods by evaluating three adhesives. J Dent Res 89 (Spec Iss B): 2010 [Abstract 3754] (www.dentalresearch.org).

544. El-Sheikh MM, **Powers JM**. Bond strength of porcelain teeth to different denture resins. J Dent Res 89 (Spec Iss B): 2010 [Abstract 1321] (www.dentalresearch.org).

543. Pinzon LM, Watanabe LG, Uskokovic V, Habelitz S, **Powers JM**, Marshall SJ, Marshall GW. Long-term bond strength and fluoride release capabilities of three cements. J Dent Res 89 (Spec Iss B): 2010 [Abstract 308] (www.dentalresearch.org).

542. Raney N, English J, Penton B, **Powers JM**. Bond strength of two orthodontic adhesives at two testing times. J Dent Res 89 (Spec Iss A): 2010 [Abstract 1321] (www.dentalresearch.org).

541. Ritter R, Ramsey C, **Powers JM**. Immediate shear bond strength of two dissimilar resin cements. J Dent Res 89 (Spec Iss A): 2010 [Abstract 1226] (www.dentalresearch.org).

540. Ritter R, Ramsey C, **Powers JM**. Immediate bond strengths of total and self etch adhesives. J Dent Res 89 (Spec Iss A): 2010 [Abstract 779] (www.dentalresearch.org).

539. Penton B, English JD, Ontivero J, **Powers JM**, Bussa HI, Frey G, Powell B, Raney N. Bond strength of color changing adhesives used with aesthetic brackets. J Dent Res 89 (Spec Iss A): 2010 [Abstract 441] (www.dentalresearch.org).

538. Thang CN, Wong N, **Powers JM**, Kiat-amnuay S. Extrinsic coating effects on color stability of silicone maxillofacial elastomers. J Dent Res 89 (Spec Iss A): 2010 [Abstract 261] (www.dentalresearch.org).

537. Patel S, Falcao F, Barros J, **Powers JM**, Paravina R. Staining-dependent changes in color of resin composites. J Dent Res 89 (Spec Iss A): 2010 [Abstract 251] (www.dentalresearch.org).

536. Falcao F, Patel S, **Powers JM**, Paravina R. Staining-dependent changes in translucency of resin composites. J Dent Res 89 (Spec Iss A): 2010 [Abstract 250] (www.dentalresearch.org).

535. Eldiwany M, Eldiwany MS, Ontiveros J, **Powers JM**, Paravina R. Specular component as predictor of gloss of resin composites. J Dent Res 89 (Spec Iss A): 2010 [Abstract 249] (www.dentalresearch.org).

534. Pinzon LM, Khossoosi L, **Powers JM**, Uskokovic V, Habelitz S, Watanabe LG,

Nonomura G, Marshall GW, Marshall SJ. Bond strength and fluoride release capabilities of three cements. J Dent Res 89 (Spec Iss A): 2010 [Abstract 14] (www.dentalresearch.org).

533. **Powers JM**, Yapp R. Physical and mechanical properties of elastomeric impression materials. J Dent Res 89 (Spec Iss A): 2010 [Abstract 246] (www.dentalresearch.org).

532. Gregory WA, Brown LK, **Powers JM**. Effect of lanolin- and vitamin e-enriched Cyntek powder-free latex gloves on skin health. Dent Adv Res Rpt 25:1, June 2009. [<http://www.dentaladvisor.com/publications/research-reports/index.shtml>]

531. Yapp R, **Powers JM**. Properties of elastomeric impression materials. Dent Adv Res Rpt 24:1, June 2009. [<http://www.dentaladvisor.com/publications/research-reports/index.shtml>]

530. Yapp R, **Powers JM**. Eigenschaften Elastomerer Abformmaterialien. Dent Adv Res Rpt 23:1, June 2009. [<http://www.dentaladvisor.com/publications/research-reports/index.shtml>]

529. Yapp R, **Powers JM**. Bond strength of Optibond All-in-One seventh-generation bonding agent. Dent Adv Res Rpt 21:1, June 2009. [<http://www.dentaladvisor.com/publications/research-reports/index.shtml>]

528. Hamid H, Tapp S, **Powers JM**, Trajtenberg CP. Glass ionomer bond strength to Erbium:YAG laser A-treated teeth. J Dent Res 88 (Spec Iss A): 2009 [Abstract 3176] (www.dentalresearch.org).

527. Berthold C, O'Keefe KL, **Powers JM**, Petschelt A. Bonding of frc-posts - influence of different adhesive cements and aging. J Dent Res 88 (Spec Iss A): 2009 [Abstract 2958] (www.dentalresearch.org).

526. Darsey D, Fullerton L, English JD, Frey GN, Kau CH, Lee RP, Mcgrory KR, **Powers JM**. Dimensional stability of orthodontic impression materials using digital model software. J Dent Res 88 (Spec Iss A): 2009 [Abstract 1948] (www.dentalresearch.org).

525. Ruiz J-L, Malmsten A, Yapp R, **Powers JM**. Bond strength of resin cements to dentin. J Dent Res 88 (Spec Iss A): 2009 [Abstract 1816] (www.dentalresearch.org).

524. Evans L, Mcgrory KR, English J, Paige SZ, Ontiveros JC, **Powers JM**, Frey GN, Duke PJ. A Comparison of shear bond strengths among different self-etching primers. J Dent Res 88 (Spec Iss A): 2009 [Abstract 1800] (www.dentalresearch.org).

523. Liska JW, Kubon T, Dadjoo S, Mazloumiandini F, **Powers JM**, Kiat-Amnuay S. Color stability of silicone maxillofacial elastomers subjected to artificial aging. J Dent Res 88 (Spec Iss A): 2009 [Abstract 1750] (www.dentalresearch.org).
522. Williams C, **Powers JM**, Paravina RD. Effect of staining on translucency parameter of resin composites. J Dent Res 88 (Spec Iss A): 2009 [Abstract 1742] (www.dentalresearch.org).
521. Salas G, English JD, San Martin D, Salas AM, Mcgrory KR, Ontiveros JC, **Powers JM**, Frey GN. Shear bond strength of four different esthetic brackets. J Dent Res 88 (Spec Iss A): 2009 [Abstract 982] (www.dentalresearch.org).
520. Duers M, English J, Ontiveros JC, **Powers JM**, Bussa HI, Frey GN, Gallerano R, Rushing M. Bond strength of color-changing orthodontic adhesives to bovine enamel. J Dent Res 88 (Spec Iss A): 2009 [Abstract 980] (www.dentalresearch.org).
519. Holzschuh B, Petschelt A, **Powers JM**, Berthold C. Bonding of frc-posts - influence of different posts and localization. J Dent Res 88 (Spec Iss A): 2009 [Abstract 978] (www.dentalresearch.org).
518. Mackert TA, Petschelt A, **Powers JM**, Berthold C. Bonding of frc-posts - influence of different adhesive cements and localization. J Dent Res 88 (Spec Iss A): 2009 [Abstract 977] (www.dentalresearch.org).
517. Schluttig T, **Powers JM**, A. Petschelt A, Berthold C. Bonding of frc-posts - influence of different posts and aging. J Dent Res 88 (Spec Iss A): 2009 [Abstract 974] (www.dentalresearch.org).
516. Rossi A, Montgomery PC, **Powers JM**, Kiat-Amnuay S. Color stability of ocular prostheses subjected to artificial aging. J Dent Res 88 (Spec Iss A): 2009 [Abstract 36] (www.dentalresearch.org).
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11 other articles

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