

1. PERSONAL INFORMATION

- A. Name: Charles James Arcoria
- B. Telephone Number: (817) 680-0239

2. EDUCATION

<u>Schools</u>	<u>Degrees</u>	<u>Date</u>	<u>Major</u>	<u>Minor</u>
University of Dallas- Graduate School of Management	M.B.A.	7 Aug. 1992	Health Services Administration	
Baylor College of Dentistry	D.D.S.	7 June 1980	Dentistry	
Case Western Reserve University	B.A.* *Degree received in absentia	23 May 1978	Preident Science	Chemistry/History

3. PROFESSIONAL APPOINTMENTS

- A. PRIMARY: Baylor College of Dentistry
Interim Director, Continuing Education & Alumni Services: 15 June 2011-Present

Executive Director, Continuing Education & Alumni Services: 1 April 2005 – 15 June 2011

Director, Office of Continuing Education: 1 June 2000 – 31 March 2005

Associate Professor
Department of Restorative Sciences: 4 January 1996- Present

Associate Professor, with Tenure,
Department of Restorative Sciences: 1 July 1992 - 4 January 1996

Associate Professor, with Tenure,
Department of Operative Dentistry: 1 July 1991 - 30 June 1992

Assistant Professor, with Tenure,
Department of Operative Dentistry: 1 July 1990 - 30 June 1991

Assistant Professor
Department of Operative Dentistry: 1 July 1987 - 30 June 1990

Instructor
Department of Operative Dentistry: 13 May 1984 - 30 June 1987

Clinical Instructor
Department of Operative Dentistry: 13 Jan 1984 - 12 May 1984
- B. SECONDARY: Arizona School of Dentistry and Oral Health
Course Director and Adjunct Faculty: Dental Anatomy and Occlusion: 1 February 2006 - Present

4. BOARD CERTIFICATION, CREDENTIALS AND STATE LICENSE

- A. Licensed to Practice Dentistry by the Texas State Board of Dental Examiners - 20 June 1980; License number 12533
- B. Certified at the Level II (Introductory) status in the Academy of Laser Dentistry
- C. Certified at the Level III (Mastership) status in the Academy of Laser Dentistry

5. RESEARCH - AREAS OF INTEREST

In vitro studies on restorative dental materials, specifically concerning glass ionomer cements, instrumentation of composite resins, crown retentive problems and burnishing dental amalgam. In addition, applications of laser technology in clinical dentistry using a coaxial CO₂/Nd:YAG laser, CO₂ laser, Nd:YAG laser, Ar:F excimer laser, Ar laser, He:Ne laser, Ga:Al:As laser, Er:YAG, and a Ho:YAG laser. Development of multiple computer software programs regarding cost accounting, profitability, and managed care administration for health care entities. M.B.A. expertise is primarily in developing cost accounting models for any health care organization.

6. RESEARCH GRANTS

A. Extramural grants funded or in process:

1. "Jet-assisted laser tools for dentistry." NIH-SBIR Phase II grant; \$426,800; awarded on 1 February 1995; grant time period for 1 July 1995 - 30 June 1997. Priority score = 151, Primary Consultant.
2. "Selective ablation of first degree dental caries with pulsed Nd:YAG laser: Comparison with dental high-speed handpiece." Incisive Technologies, Inc.; \$18,000; awarded on 1 April 1994; grant time period for 1 April 1994 - 1 July 1995. Co-Investigator.
3. "Microdrop dye dispenser for surgical lasers." NIH-SBIR Phase II grant; \$479,000; awarded on 1 September 1994; grant time period for 1 January 1995 - 31 December 1996. Priority score = 175, Secondary Consultant.
4. "Correlation between enamel surface effect and pulp response utilizing a high rep rate Nd:YAG laser." Incisive Technologies, Inc.; \$17,040.22; awarded 30 June 1993; grant time period for 1 July 1993 - 30 September 1993. Primary Investigator.
5. "In vitro durability analysis of the Dentool™ disposable high-speed handpiece." Dentool, Inc.; \$17,705.24; awarded on 19 July 1993; grant time period for 19 July 1993 - 30 June 1995. Primary Investigator.
6. "Microdrop dye dispenser for surgical lasers." NIH-SBIR Phase I grant; \$49,000; awarded on 25 October 1993. Priority score = 191, Secondary Consultant.
7. "Dye microdrop assisted laser for dentistry." NIH-SBIR Phase I grant; \$43,800; awarded on 1 August 1993; grant time period for 1 August 1993 - 31 July 1994. Priority score = 179, Primary Consultant.
8. "Healing and damage studies of laser dental clinical procedures with various wavelengths." Premier Laser Systems; \$23,736; awarded on 27 October 1992; grant time period for 1 November 1992 - 1 May 1995. Primary Investigator.

B. Intramural grants funded:

Undergraduate Student Fellowships/Grants:

1. "Tissue response (alveolar bone) to HTR and porous hydroxyapatite in the rat." Baylor College of Dentistry; \$1999.77; awarded on 31 May 1990; grant time period for 1 June 1990 - 31 May 1991. Consultant for undergraduate dental student (Brian Schaulin) and collaborator with mentor (Dr. Allan Pearsall). Grant number S 9023.
2. "Compressive strength, three-point bending and void analysis of different glass ionomer cement systems after sonication." Baylor College of Dentistry; \$1320.00; awarded on 2 November 1989; grant time period for 1 November 1989 - 31 October 1990. Mentor for undergraduate dental student (Jimmie R. Butler). Grant number S 8936.
3. "Effect of Carbon Dioxide (CO₂) laser etched dentin on the shear bond strengths of glass ionomer cements." Baylor College of Dentistry; \$1355.00; awarded on 31 July 1989; grant time period for 24 July 1989 - 23 July 1990. Mentor for undergraduate dental student (Eddie Melendez). Grant number S 8932.
4. "Comparison of bone growth between a combined (coaxial) Carbon Dioxide and Nd:YAG continuous wave laser vs. conventional surgical methods in dogs with induced periodontal trauma." Baylor College of

Dentistry; \$1997.61 awarded on 20 July 1989; grant time period for 1 July 1989 - 30 June 1990. Mentor for undergraduate dental student (Robert Steele). Grant number S 8929. In addition, approval to perform this study was granted by the Baylor Research Foundation and their IACUC.

5. "A comparison of the effects of in vitro cyclic loading versus an in vivo analysis on the marginal breakdown of etched-porcelain bonded inlay restorations." Baylor College of Dentistry; \$2000.00; awarded on 17 May 1989; grant time period for 1 June 1989 - 31 May 1990. Mentor for undergraduate dental student (Paulo Tran). Grant number S 8914.
6. "Microleakage in composite restorations with glass ionomer liners following ultrasonic instrumentation." Baylor College of Dentistry; \$1525.00; awarded on 28 July 1988; grant time period for 1 September 1988 - 31 August 1989. Mentor for undergraduate dental student (Janet Gonzalez). Grant number SP 8822.

Postdoctoral Graduate Student Fellowships/Grants (in association with graduate thesis committees):

1. "Lasers in primary tooth pulp therapy." Baylor College of Dentistry; \$1597.75; awarded 15 January 1992; grant time period for 15 January 1992 - 14 January 1993. Consultant and member of graduate thesis committee.

Faculty Research Grants:

1. "Welding gingival graft tissue using multiple lasers: A wound healing study." Baylor College of Dentistry; \$1000.00; awarded 10 April 1992; grant time period for 10 April 1992 - 9 April 1993. Co-principal investigator.
2. "The effects of excimer laser etching vs. phosphoric acid etching of enamel on new dentin formation in rat molar pulps." Baylor College of Dentistry; \$2442.16; awarded on 18 January 1990; grant time period for 25 January 1990 - 24 January 1991. Principal Investigator. Grant number F 9002. In addition, approval to perform this study was granted by the Baylor Research Foundation and their IACUC.
3. "The effect of amalgam on cement and casting degradation, an in vitro study." Baylor College of Dentistry; \$945.25; awarded on 11 January 1990; grant time period for 1 February 1990 - 31 January 1991. Consultant. Grant number F 9001.
4. "Effect of undercut placement on the bond strength of glass ionomer cemented non-precious metal crowns." Baylor College of Dentistry; \$220.00; awarded on 31 August 1988; grant time period for 1 September 1988 - 31 August 1989. Principal Investigator. Grant number F 886.
5. "Marginal integrity and surface evaluation of composite resins following scaling with an ultrasonic device, sonic scaler and hand instruments." Baylor College of Dentistry; \$230.00; awarded on 11 May 1987; grant time period for 31 May 1987 - 30 May 1988. Co-principal Investigator. Grant number F 877.
6. "An in vitro comparison of dental amalgam cores, dental alloy-glass ionomer mixture cores, and luting agents." Baylor College of Dentistry; \$661.20; awarded on 9 August 1985; grant time period for 31 August 1985 - 1 September 1986. Principal Investigator.

C. Extramural grants approved but not funded:

1. "Evaluation of glass-cermet (GIC) build-ups under cast crowns." NIH-NIDR new investigator grant program. Approved but not funded. Consultant. 1988.
2. "Oral tissue effects using an 805nm diode laser." Surgimedics/SLP; \$21,000; Primary Investigator.
3. "Jet-assisted laser tools for dentistry." ARP-ATP grant; \$156,600; to be awarded on 1 January 1994; grant time period for 1 January 1994 - 31 December 1995. Primary Investigator.

7. SOCIETY AND ORGANIZATION MEMBERSHIPS

	<u>Date</u>	<u>Status</u>
Delta Sigma Delta Fraternity (Lambda Lambda chapter)	1978-Present	Regular
American Dental Association	1980-Present	Regular
Texas Dental Association	1980-Present	Regular
Dallas County Dental Society	1980-Present	Regular

International Association for Dental Research	1985-1995	Regular
American Association for Dental Research	1985-1995	Regular
American Association for Dental Research (Dallas)	1985-1992	Regular
Omicron Kappa Upsilon - Omicron Chapter	1987-Present	Faculty
Dental Materials Group Chapter - IADR/AADR	1987-1992	Regular
Prosthodontic Group Chapter - IADR/AADR	1987-1992	Regular
American Management Association	1988-1992	Regular
American Association of Dental Schools	1988-1995	Regular
Baylor Dental Alumni Association	1988-1992	Regular
Century Club - Baylor College of Dentistry	1989-1993	Regular
Health Services Graduate Association (University of Dallas)	1990-1992	Student
American College of Healthcare Executives	1990-1993	Student
Healthcare Financial Management Association	1990-1993	Student
Pulp Biology Group Chapter - IADR/AADR	1990-1993	Regular
AADS National Legislative Advocacy Group	1990-1993	Regular
Sigma Xi	1991-1995	Regular
Japanese Society for Dental Materials and Devices	1991-1993	Regular
The International Society for Optical Engineering - (SPIE)	1991-1995	Regular
International Society for Lasers in Dentistry	1992-1995	Regular
Texas Academy of Laser Dentistry	1992-1996	Regular
Institute of Certified Management Accountants	1992-1994	Regular
Academy of Laser Dentistry	1993-1996	Regular

8. HONORS, AWARDS, AND RECOGNITIONS

Feb 1995	Elected to "Who's Who in Dentistry"
May 1993	Elected to the American Biographical Institute's "2000 outstanding men in America for Spring 1994"
April 1993	Awarded best overall original basic science paper at the 13th Annual American Society for Laser Medicine and Surgery meeting in New Orleans, Louisiana. Title of presentation: "Dye microdrop assisted laser for dentistry."
October 1992	Ad-Hoc journal reviewer for <u>Lasers in Surgery and Medicine</u>
August 1992	Awarded best Oral Scientific Research Presentation at the Third International Congress on Lasers in Dentistry in Salt Lake City, Utah. Title of presentation: "CO ₂ and CO ₂ /Nd:YAG effects using an inert gas."
August 1992	National Dean's List - Sigma Iota Epsilon International Business Academic Honorary Society
March 1992	Mentor for undergraduate dental student (Clay Fuselier) finalist for the AADR/Caulk 1992 Student Research competition. Title of presentation: "Further studies on the interaction of interopore 200 and HTR implants in rat alveolar bone."
February 1992	Elected TDA-alternate from the Dallas County Dental Society
April 1991	Mentor for undergraduate dental student (Eddie J. Melendez) finalist for the AADR/Caulk 1991 Student Research competition. Title of presentation: "Composite/enamel bond strength using multiple lasers vs. acid-etching."
April 1991	Mentor for undergraduate dental student (Jimmie R. Butler) alternate-finalist for the AADR/Caulk 1991 Student Research Competition. Title of presentation: "Effects of time-varied sonication on compression of glass ionomer cements."
April 1991	Ad-Hoc journal reviewer for <u>Dental Materials</u>
March 1991	Elected to Sigma Iota Epsilon, the National Honorary and Professional Management Fraternity
March 1991	Finalist for the AADS/Harry Bruce legislative Fellowship

February 1991	Finalist for the National Dental Board Test Construction Committee - Dental Anatomy and Occlusion
January 1991	Boy Scouts of America-Exploring Award
December 1990	Ad-Hoc journal reviewer for the <u>Journal of Dentistry</u>
March 1990	Mentor for undergraduate dental student (Jimmie R. Butler) finalist at the AADR/Caulk Student Research competition. Title of presentation: "Compressive strength of Fuji and Ketac glass ionomers after sonication."
March 1990	Mentor for undergraduate dental student (Jimmie R. Butler) awarded third place at the Baylor College of Dentistry "Student Table Clinic Day". Title of presentation: "Compressive strength of Fuji and Ketac glass ionomers after sonication."
March 1990	Mentor for undergraduate dental student (E.J. Melendez) awarded fourth place at the Baylor College of Dentistry "Student Table Clinic Day". Title of presentation: "Effect of laser etch on shear bond strengths of glass ionomers."
March 1990	Awarded first place and honorable mention for Educational Exhibit entitled "Occlusal splint and occlusal adjustment videotapes for use in teaching preclinical occlusion treatment techniques" at the AADS meeting in Cincinnati, Ohio.
February 1990	Mentor for undergraduate dental student (Eddie J. Melendez) awarded third place in the Baylor College of Dentistry "Student Research Competition". Title of presentation: "Effect of laser etch on bond strengths of glass ionomers."
April 1989	Five - year service award from the Baylor College of Dentistry
September 1988	Elected to the group "Outstanding Young Men In America For 1988"
April 1988	Elected to Omicron Kappa Upsilon Honorary Society-Omicron Chapter
April 1988	Recognized as Teacher-of-the-Year for 1988, Baylor College of Dentistry; Monetary award: \$1,000.00
May 1978	Graduated Magna Cum Laude at Case Western Reserve University
June 1977	Elected to Phi Beta Kappa

9. **PROFESSIONAL DEVELOPMENT AND SERVICE**

A. Professional Contributions:

INVITED TALKS OR LECTURES PRESENTED

March 1995	Oral Presentation to Delta Sigma Delta Fraternity Topic: "Getting Started After Graduation" Number of attendees: 125 Anne Marie's Kitchen Dallas, Texas
January 1995	Oral Presentation at Dallas Mid-Winter Dental Clinic Topic: "HMO/PPO Plans and Your Practice's Profitability" Number of attendees: 8 Loews Anatole Hotel Dallas, Texas
November 1994	Oral Presentation to the Lubbock Dental Society Topic: "Lasers in Dentistry" Number of attendees: 8

	Holiday Inn Hotel Lubbock, Texas
October 1994	Oral Presentation to the Alumni of Baylor College of Dentistry Topic: "Computer Software Applications in Dentistry" Number of attendees: 85 Southland Center Hotel Dallas, Texas
September 1994	Oral Presentation to the Nashville Dental Society, Inc. Topic: "Nd:YAG lasers in Dentistry" Number of attendees: 135 Doubletree Hotel Nashville, Tennessee
August 1994	Oral Presentation to the American of Laser Dentistry Topic: "Level III Testing" Number of attendees: 25 Four Seasons Hotel Irving, Texas
February 1994	Oral Presentation to the American Academy of Restorative Dentistry Topic: "Emerging Technology of Dental Laser Hard-Tissue Applications" Number of attendees: 325 Drake Hotel Chicago, Illinois
February 1994	Table Clinic for the American Academy of Restorative Dentistry Topic: "Emerging Technology of Dental Laser Hard-Tissue Applications" Number of attendees: 115 Drake Hotel Chicago, Illinois
January 1994	Presentation to the Institute for Laser Dentistry Study Club Co-Sponsored by the Baylor College of Dentistry Topic: "Optimizing Soft-Tissue Laser Surgery Using a Pulsed Nd:YAG Laser" Number of attendees: 85 Loews Anatole Hotel Dallas, Texas
January 1994	Presentation to the Dallas Mid-Winter Dental Convention Topic: "Current Clinical Applications of Lasers: On the Advent of the Hard-Tissue Era" Number of attendees: 62 Loews Anatole Hotel Dallas, Texas
January 1994	Maximizing Laser Profits using Fee Increases and Insurance Coding Number of attendees: 5 Loews Anatole Dallas, Texas
January 1994	Category 2 Laser Credentialing Examination Number of attendees: 3 Texas Academy of Laser Dentistry Dallas, Texas
January 1994	Category 3 Laser Credentialing Examination

Number of attendees: 16
Baylor College of Dentistry - Dallas, Texas

December 1993 Topic: "New Trends in Dentistry: Pulsed Nd:YAG Lasers"
Number of attendees: 24
Holiday Inn-Holidome
Oklahoma City, Oklahoma

December 1993 Topic: "New Trends in Dentistry: Pulsed Nd:YAG Lasers"
Number of attendees: 23
Doubletree Hotel
Tulsa, Oklahoma

December 1993 Topic: "New Trends in Dentistry: Pulsed Nd:YAG Lasers"
Number of attendees: 21
Holiday Inn-Holidome
Baton Rouge, Louisiana

December 1993 Topic: "New Trends in Dentistry: Pulsed Nd:YAG Lasers"
Number of attendees: 19
Sheraton Hotel
Metairie, Louisiana

November 1993 Presentation to the Memphis Dental Society
Topic:
"Hard-Tissue Cutting Lasers: On the Advent of a New Clinical Era"
Number of attendees: 98
East Memphis Racquet Club
East Memphis, Tennessee

November 1993 Topic: "New Trends in Dentistry: Pulsed Nd:YAG Lasers"
Number of attendees: 12
Radisson Hotel
Arlington, Texas

October 1993 Presentation to the Garland-East Dallas Dental Study Club
Topic: "Using Lasers to Cut on Hard-Dental Tissues"
Number of attendees: 12
Garland, Texas

August 1993 Category 2 Laser Credentialing Examination
Number of attendees: 6
Texas Academy of Laser Dentistry
Austin, Texas

July 1993 Presentation to Undergraduate and Graduate Dental Students
Topic:
"Hard-Tissue Cutting Lasers: On the Advent of a New Clinical Era"
Number of attendees: 28
Baylor College of Dentistry
Dallas, Texas

June 1993 Category 2 Laser Credentialing Examination
Number of attendees: 25
Texas Academy of Laser Dentistry
Arlington, Texas

May 1993 Presentation to the Navajo Area Dental Society
Topic: "Laser Dentistry: Current Status and Future Use"
Number of attendees: 64
Cliff Castle Lodge
Camp Verde, Arizona

March 1993 Presentation to the 10th District Dental Society
Topic: "Current clinical uses of Lasers in Dentistry"
Number of attendees: 68
Omni Hotel -- Austin, Texas

January 1993 Presentation to the Dallas Mid-Winter Dental Convention
Topic: "Laser Dentistry: Current Status and Future Implications"
Primary presenter
Number of attendees: 45
Loews Anatole Hotel
Dallas, Texas

October 1992 Presentation to the North American Society of Periodontists
Topic: "Lasers in Clinical Periodontics"
Primary presenter
Number of attendees: 8
Hyatt Hotel East - D/FW; Eules, Texas

October 1992 Mini-clinic presentation to the Dallas County Dental Society
Topic: "Lasers in Clinical Dentistry"
Primary presenter
Number of attendees: 27
Baylor College of Dentistry
Dallas, Texas

March 1992 Presentation to the First District Dental Society
Topic: "Use of Lasers in Clinical Dentistry"
Primary presenter
Number of attendees: 35
Mt. Pleasant Country Club
Mt. Pleasant, Texas

February 1992 Presentation to the Weatherford Dental Study Club
Topic: "Carbon Dioxide Lasers in Dentistry"
Primary presenter
Number of attendees: 18
Weatherford College
Weatherford, Texas

January 1992 Presentation to the Oak Cliff Dental Study Club
Topic: "Lasers in Dentistry"
Primary presenter
Number of attendees: 38
Oak Cliff Country Club
Dallas, Texas

December 1991 Presentation to the Texas State Board of Dental Examiners
Topic: "The Use of Lasers in Dentistry"
Primary presenter
Number of attendees: 42
Stouffer Hotel
Austin, Texas

September 1991 Presentation to the Dallas Dental Assistants Society
Topic: "Lasers in Dentistry"
Primary presenter
Number of attendees: 28
Mario's Chiquita Restaurant
Dallas, Texas

July 1991 Mini-Symposium II

Baylor College of Dentistry and Baylor Research Institute
 Topic: "Laser Science Applications and Emerging Trends in Clinical Oral Medicine"
 Participant
 Number of attendees: 35
 Baylor College of Dentistry
 Dallas, Texas

May 1991 Presentation to the Plano Dental Study Club
 Topic: "Lasers in Dentistry"
 Primary presenter
 Number of attendees: 32
 Tino's Restaurant - Plano, Texas

May 1991 Presentation to a consortium from Caracas, Venezuela
 Topic: "Past, present and future status of dental health care in the United States"
 Primary presenter
 Number of attendees: 35
 University of Texas Health Science Center
 School of Allied Health
 Dallas, Texas

March 1991 Presentation to the Garland Dental Study Club
 Topic: "Lasers in Dentistry"
 Primary presenter
 Number of attendees: 38
 Eastern Hills Country Club
 Garland, Texas

January 1991 Presentation at the Dallas Mid-Winter Dental Clinic
 Topic: "Lasers in Dentistry"
 Primary presenter
 Number of attendees: 115
 Loews Anatole Hotel
 Dallas, Texas

July 1990 Presentation for summer research seminar series
 Topic: "Current status of laser irradiation effects on oral tissues"
 Primary presenter - Young Dentist Forum
 Number of attendees: 52
 Baylor College of Dentistry -- Dallas, Texas

April 1990 Panel speaker for "TDA Senior Day"
 Topic: "Don't just join, get involved"
 Number of attendees: 85
 Baylor College of Dentistry -- Dallas, Texas

February 1990 "Sixteenth Annual Premed/Preudent day at Baylor University"
 Baylor College of Dentistry Representative
 Number of attendees: 12
 Baylor University
 Waco, Texas

November 1989 Panel discussion for the Dallas Dental Hygienists' Society
 Topic: "Effects of chemical and mechanical agents on esthetic restorations."
 Teaching Participant
 Number of attendees: 35
 Grace Bible Church
 Dallas, Texas

January 1989 Presentation to the Dallas Dental Hygienists' Society eat and learn luncheon
 "Glass ionomers-What does a hygienist need to know?"
 Number of attendees: 9
 Sheraton Hotel
 Dallas, Texas

October 1988 Presentation to the Dallas National Board of Certification
 Dental Laboratory Technicians (NBC) study group
 Topic: "Dental anatomy and dental materials research."
 Number of attendees: 62
 Baylor College of Dentistry, Dallas, Texas

February 1986 Table Clinic Presentation to the Academy of Operative Dentistry
 Topic: "Burnished Dental Amalgam Restorations"
 Number of attendees: 350
 Chicago, Illinois

PROGRAMS ORGANIZED AND/OR PRESENTED:

November 1992 Continuing Education Course
 Participant and presenter
 Topic: "Lasers in Dentistry"
 Number of attendees: 25
 Baylor College of Dentistry -- Dallas, Texas

September 1992 Continuing Education Course
 Primary participant and presenter
 Topic: "Lasers in Orthodontics"
 Number of attendees: 40
 American Orthodontic Society/International Association for
 Orthodontics Annual Meeting
 Intercontinental Hotel
 New Orleans, Louisiana

September 1992 Continuing Education Course
 South Plains District Dental Society
 Primary participant and presenter
 Topic: "Lasers in Dentistry: A Research-Based Demonstration and
 Presentation Course for Clinicians"
 Number of attendees: 35
 Lubbock Country Club -- Lubbock, Texas

July 1992 Continuing Education Course
 Primary organizer, participant and presenter
 Topic: "Lasers in Dentistry: A Course for Clinical Practitioners"
 Number of attendees: 14
 Baylor College of Dentistry -- Dallas, Texas

April 1992 Continuing Education Course
 Texas Academy of General Dentistry - Panhandle section
 Primary organizer, participant and presenter
 Topic: "Lasers in Dentistry: A Research-Based Demonstration and
 Presentation Course for Clinicians"
 Number of attendees: 35
 Texas Tech Regional Health Science Center
 1400 S. Wallace Blvd.
 Amarillo, Texas

March 1992 Continuing Education Course

Midwestern Advanced Dental Institute
Primary organizer, participant and presenter
Topic: "Lasers in Dentistry: A Participation Course"
Number of attendees: 15
514 Humboldt Plaza
Manhattan, Kansas

February 1992 Continuing Education Course
Northeast Arkansas District Dental Society
Primary organizer, participant and presenter
Topic: "Lasers in Dentistry"
Number of attendees: 65
Holiday Inn, Holidome Hotel - Jonesboro, Arkansas

October 1991 Continuing Education Course
Ninth District Dental Society
Primary organizer, participant and presenter
Topic: "Lasers in Dentistry"
Number of attendees: 25
San Luis Hotel -- Galveston, Texas

July 1991 Continuing Education Course
Primary organizer, participant and presenter
Topic: "Lasers in Dentistry"
Number of attendees: 42
Baylor College of Dentistry -- Dallas, Texas

March 1991 Management seminar for fourth-year dental students
Primary organizer and director
Dr. Cliff Katz - Primary presenter
Sponsored by the Young Dentists Committee
Number of attendees: 54
Baylor College of Dentistry -- Dallas, Texas

February 1990 Management seminar for fourth-year dental students
Primary organizer and director
Dr. Tom McDougal, Dr. Terry Dickinson, and Mr. Jack
Coleman were primary presenters
Jointly sponsored by the Young Dentists Committee and
the Academy of General Dentistry
Number of attendees: 60
Sheraton Hotel -- Dallas, Texas

January 1991 Young Dentist Forum
Primary Organizer
Sponsored by the Dallas County Dental Society
Mid-Winter Dental Clinic
Number of attendees: 110
Loews Anatole
Dallas, Texas

December 1991, November 1990, October 1989, October 1988, October 1987, October 1986, October 1985
Presentation to the Baylor Dental Explorers Group
Topic: "The future of the dental profession: Career opportunities for
college preparatory students."
Primary Organizer, director and presenter
Number of attendees: 110
Baylor College of Dentistry
Dallas, Texas

PROFESSIONAL COMMUNITY SERVICE

Mar 1995	Vice-President Texas Academy of Laser Dentistry
Jan 1993	Credentialing committee chair Texas Academy of Laser Dentistry
Jan 1993	Constitution and By-Laws chair Texas Academy of Laser Dentistry
Dec 1992	NIH Grant Reviewer - #2 R44 DE09787-02 NIH Special Review Group for Phase II - SBIR Medical Research and Development Co. "Accelerated Osseointegration"
Nov 1992	Peer-review committee chair Texas Academy of Laser Dentistry
Sep 1991	NIH Grant Reviewer - #R13DE10168-01 NIH special study section "Third Congress of the International Society for Lasers in Dentistry"
Mar 1991	Judge - Dallas Morning News Regional Science Fair Senior division, Medicine and Health Dallas Convention Center; Dallas, Texas
Nov 1990	Advisory Board Member Health Professions Circle Ten Council, Boy Scouts of America
Sep 1990	Dallas Dental Health Programs Board Member
Jul 1990	Independent, external reviewer on the professional competence and accomplishments of Dr. Dean A. Elledge for the University of Missouri-Kansas City, School of Dentistry promotion and tenure committee
Mar 1990	Table Clinic Judge - 1990 Spring Clinic Day Richardson Civic Center Richardson, Texas
Mar 1990	Judge - Dallas Morning News Regional Science Fair Senior division, Medicine and Health Dallas Convention Center Dallas, Texas
Apr 1989	Judge - Dallas Morning News Regional Science Fair Junior division, Medicine and Health Dallas Convention Center Dallas, Texas

B. COMMITTEE ACTIVITIES AND OFFICES

BAYLOR INSTITUTIONAL AND AD-HOC COMMITTEES

1995	Search Committee for Chair, Caruth School of Dental Hygiene	Member
1994	Ad-Hoc Committee on Computers in the Clinics	Member
1994	Ad-Hoc Committee on Comprehensive Care	Member

1993	Curriculum Committee	Member
1992	Search Committee for Chair, Biomedical Sciences Department	Chair
1992	Budget Advisory Committee	Member
1992-Present	Ad-Hoc Committee on Clinical Research	Member
1991	Strategic Planning Committee- Academic Advisory Subcommittee I	Member
1991	Strategic Planning Committee- External Environmental Subcommittee	Member
1990-Present	Omicron Kappa Upsilon, Omicron Chapter	President
1990-1993	Research Committee, Baylor College of Dentistry	Member
1989 & 1990	"Teacher-of-the-Year Award" committee	Member
1989 - 1990	Omicron Kappa Upsilon, Omicron Chapter	President-elect
1989 - 1990	Search Committee for the President and Dean of the Baylor College of Dentistry	Member
1988 - 1989	Omicron Kappa Upsilon, Omicron Chapter	Vice-President
1987 - 1991	Ad-Hoc Interviewer-Dental Admissions Committee	
1986 - 1990	Admissions Committee, Dental Hygiene Baylor College of Dentistry	Member
1986 - 1991	Curriculum Committee, Dental Hygiene Baylor College of Dentistry	Secretary
1985-Present	Dental Explorers Post Committee Baylor College of Dentistry	Chair
1984-Present	First Year Dental Scholarship Committee Baylor College of Dentistry	Member
1984-Present	Junior Dental Hygiene Scholarship Committee, Baylor College of Dentistry	Member

LOCAL INSTITUTIONAL COMMITTEES

1990 - 1991	Young Dentist Committee, Dallas County Dental Society	Chair
1989 - 1990	Young Dentist Committee, Dallas County Dental Society	Chair- elect

STATE, NATIONAL OR INTERNATIONAL COMMITTEES

Jan 1992-1996	Dental Anatomy and Occlusion Test Construction Committee Member for the Joint Commission on National Board Dental Examinations	Member
Jan 1992	Working committee for development of optics and laser systems - SPIE	Member
Dec 1991	Ad-hoc Committee (TSBDE) for the establishment of generalized rules and guidelines for the use of	Adjunct

	lasers in dental practice	member
Apr 1991	Pulp Biology/Endodontics Group Oral Session at the 1991 IADR meeting	Alternate Co-Chair
Mar 1990	Pulp Biology/Endodontics Group Oral Session at the 1990 IADR meeting	Session Co-Chair

C. RELEVANT EDUCATIONAL ACTIVITIES

Mar 1995	Pride Dental Seminar - "Managed Care in Dentistry" Loews Anatole Hotel Dallas, Texas	
Jan 1995	Dallas Mid-Winter Dental Convention Loews Anatole Hotel Dallas, Texas	
Jan 1994	Dallas Mid-Winter Dental Convention Loews Anatole Hotel Dallas, Texas	
Oct 1993	Academy of Laser Dentistry Annual Meeting Stouffer Riviere Hotel Chicago, Illinois	
Aug 1993	Texas Academy of Laser Dentistry Summer Meeting Stouffer Hotel Austin, Texas	
May 1993	Texas Dental Association Meeting Marriott Rivercenter Hotel San Antonio, Texas	
Apr 1993	American Society for Laser Medicine and Surgery Marriott Hotel New Orleans, Louisiana	
Jan 1993	Dallas Mid-Winter Dental Convention Loews Anatole Hotel Dallas, Texas	
Dec 1992	Supporting and Maintaining Windows 3.1 Southland Center Hotel Dallas, Texas	
May 1992	Healthcare EDI Executive Seminar Application Center for Technology Dallas, Texas	
May 1992	Texas Dental Association Annual Meeting San Antonio, Texas	
April 1992	Oklahoma Dental Association Annual Meeting Oklahoma City, Oklahoma	
January 1992	International Society for Optical Engineering Conference on Biomedical Optics and Lasers in Dentistry Los Angeles Airport Hilton Hotel; Los Angeles, California	

January 1992	Dallas County Dental Society Mid-Winter Meeting Loews Anatole Hotel Dallas, Texas
April 1991	IADR/AADR Meeting - Convention Center Acapulco, Mexico
March 1991	AADS Annual Meeting - Hyatt Regency Hotel New Orleans, Louisiana
January 1991	Dallas County Dental Society Mid-Winter Meeting Loews Anatole Hotel Dallas, Texas
September 1990	AADS/John Butler Co. Faculty Legislative Workshop Radisson Park Terrace Hotel Washington, D.C.
August 1990	Fourth National Conference on the Young Dentist Hyatt Regency Hotel Chicago, Illinois
March 1990	IADR/AADR and AADS Meetings - Convention Center Cincinnati, Ohio
January 1990	Dallas County Dental Society Mid-Winter Meeting Loews Anatole Hotel Dallas, Texas
October 1989	"Administration and IACUC's role and responsibility in the care and management of laboratory animals." Baylor University Medical Center Dr. Robert Wiggs
October 1989	"American Dental Association options seminar" American Dental Association Baylor College of Dentistry - Dallas, Texas
July 1989	IADR Annual Meeting - Trinity College Dublin, Ireland
April 1989	"TMJDS splint therapy" Baylor College of Dentistry Dallas, Texas Harold Wise, D.D.S.
March 1989	AADR Annual Meeting - Hilton Hotel San Francisco, California
March 1989	AADS Annual Meeting - Hilton Hotel San Francisco, California
January 1989	Dallas County Dental Society Mid-Winter Meeting Loews Anatole Hotel Dallas, Texas
August 1988	"Update on TMJ - ABC's of temporomandibular joint dysfunction syndrome and internal disk derangement" Weldon E. Bell, D.D.S. Baylor College of Dentistry - Dallas, Texas
March 1988	Annual meeting of the IADR/AADR -

	Convention Center Montreal, Canada
June 1987	"Symposium on the future of the curriculum in Operative Dentistry" University of Michigan Ann Arbor, Michigan
March 1987	Annual Meeting of the IADR/AADR Hyatt Hotel Chicago, Illinois
January 1987	Southwest Academy of Restorative Dentistry Meeting Loews Anatole Hotel Dallas, Texas
March 1986	"Waxing Course for Dental Practitioners" Everett V. Payne, D.D.S. Baylor College of Dentistry - Dallas, Texas
February 1986	Annual Meeting of the Academy of Operative Dentistry Chicago, Illinois
October 1985	"Posterior Composites" Kerr/Sybron Seminar Dallas, Texas
January 1985	"Posterior Composites and Dentin Bonding" Southwest Academy of Restorative Dentistry Jim Zinck, D.D.S. - Dallas, Texas
May 1982	"Amalgam and Glass Ionomer: The Miracle Mixture" Joe Simmons, D.D.S. Baylor College of Dentistry - Dallas, Texas
May 1981	"Dental Materials Update: Composites and Amalgams" John Osborne, D.D.S. Baylor College of Dentistry - Dallas, Texas
March 1981	"Automated Endodontics" Special Products, Inc. Dallas, Texas
January 1981	"Contemporary Office Design" UTHSCSA - San Antonio, Texas Claude Padgett, D.D.S.

D. PRIVATE PRACTICE ACTIVITY

Full-time private practice
Sole Proprietor
Medicaid/Title XIX Program
2929 Forest Avenue
Dallas, Texas 75212
21 June 1980 - 15 December 1981

Full-time private practice
Sole Proprietor
2910 S. Broadway, Suite 212
Garland, Texas 75241
16 December 1981 -
28 December 1984

Part-time private practice
Office of Dr. Dale Rhodes
6331 Prospect Avenue
Dallas, Texas 75214
10 February 1988 - 31 Dec. 1989

Part-time private practice
Office of Dr. William Moore
4373 S. Hampton
Dallas, Texas 75232
3 January 1987 - 9 February 1988

Part-time private practice:
12240 Inwood, Suite 501
Dallas, Texas 75244
1 December 1995 – 31 January 2004

10. **PUBLICATION**

RESEARCH

JOURNAL ARTICLES

Jennett E, Motamedi M, Rastegar S, Frederickson CJ, Arcoria CJ. Dye enhanced ablation of hard dental tissue by pulsed laser. *Journal of Dental Research*, 73:1841-1847, 1994.

Arcoria CJ, Dusek M, Vitasek-Arcoria BA. Pulpal effects of a high rep rate Nd:YAG laser. *Journal of Clinical Laser Medicine and Surgery*, 12:21-25, 1994.

Arcoria CJ, Frederickson CJ, Judy MM, Jennett E, Motamedi M. Jet-assisted laser tools for tooth preparation. *Journal of Clinical Laser Medicine and Surgery*, 12:153-157, 1994.

Arcoria CJ, Lippas MG, Vitasek BA. Enamel surface roughness analysis after laser ablation and acid-etching. *Journal of Oral Rehabilitation*, 20:213-224, 1993.

Arcoria CJ, Butler JR, Vitasek BA, Wagner MJ. Bending strength of Fuji and Ketac glass ionomers after sonication. *Journal of Oral Rehabilitation*, 19:607-613, 1992.

Arcoria CJ, Steele RE, Vitasek BA, Wagner MJ. The effects of coaxial CO₂/Nd:YAG irradiation on periodontal wound healing. *Lasers in Surgery and Medicine*, 12:401-409, 1992.

Arcoria CJ, Kelly GK, Icenhower TJ, Wagner MJ. Microleakage in amalgam restorations following burnishing, polishing and time-varied thermocycling. *General Dentistry*, 40:421-424, 1992.

Arcoria CJ, Vitasek-Arcoria BA. The effects of low-level energy density Nd:YAG irradiation on calculus removal. *Journal of Clinical Laser Medicine and Surgery*, 10:343-347, 1992.

Arcoria CJ, Lippas MG, Speros P, Wagner MJ. Pulpal effects of Argon:Fluoride excimer laser irradiation and acid-etching of rat molar enamel. *Journal of Dentistry*, 20:100-107, 1992.

DeWald JP, Arcoria CJ, Marker VA. Evaluation of the interactions between amalgam, cement and gold castings. *Journal of Dentistry*, 20:121-127, 1992.

Arcoria CJ, Gonzalez JP, Vitasek BA, Wagner MJ. Effects of ultrasonic instrumentation on microleakage in composite restorations with glass ionomer liners. *Journal of Oral Rehabilitation*, 19:21-27, 1992.

*Melendez EJ, Arcoria CJ, DeWald JP, Wagner MJ. Effect of laser-etch on bond strengths of glass ionomers. *Journal of Prosthetic Dentistry*, 67:307-312, 1992.

**Navarro CF, Arcoria CJ. Early management of dentofacial deficiency: Three case reports. *Compendium of Continuing Education in Dentistry*, 12:708-718, 1991.

Arita K, Arcoria CJ, Nishino M, Okabe T. The repair potential of light-cured composites: Interfacial bond strength. *Pediatric Dental Journal*, 1:1-9, 1991.

Arcoria CJ, Steele RE, Wagner MJ, Judy MM, Matthews JL, Hulst DF. Enamel surface roughness and dental pulp response to coaxial carbon dioxide-neodymium:YAG laser irradiation. *Journal of Dentistry*, 19:85-91, 1991.

Arcoria CJ, Fisher MA, Wagner MJ. Microleakage in alloy-glass ionomer lined amalgam restorations after thermocycling. *Journal of Oral Rehabilitation*, 18: 9-14, 1991.

Arcoria CJ, DeWald JP, Vitasek BA, Wagner MJ. Effect of undercut placement on crown retention after thermocycling. *Journal of Oral Rehabilitation*, 17: 395-402, 1990.

DeWald JP, Arcoria CJ, Ferracane JL. Evaluation of glass cermet cores under cast crowns. *Dental Materials*, 6:129-132, 1990.

Arcoria CJ, Vitasek BA, DeWald JP, Wagner MJ. Microleakage in restorations with glass ionomer liners after thermocycling. *Journal of Dentistry*, 18:107-112, 1990.

Arcoria CJ, Vitasek BA, Ferracane, JL. Microleakage of composite resin restorations following thermocycling and instrumentation. *General Dentistry*, 38:129-131, 1990.

Arcoria CJ, DeWald JP, Moody CR, Ferracane JL. A comparative study of the bond strengths of amalgam and alloy-glass ionomer cores. *Journal of Oral Rehabilitation*, 16:301-307, 1989.

Arcoria CJ, Cotmore JM, Wagner MJ. Surface profile analysis of conventional and high-copper amalgams after burnishing and polishing. AADS peer review approval, *Texas Dental Journal*, 106:7-12, 1989.

Arcoria CJ, DeWald JP, Moody CR, Ferracane JL. Effects of thermocycling on amalgam and alloy-glass ionomer cores luted to cast gold crowns. *Dental Materials*, 4:155-157, 1988.

**Arcoria CJ, Cotmore JM. Burnished dental amalgam as it is affected by time, force, type of alloy and age. *Baylor Dental Journal*, 30:67-69, 1985.

ABSTRACTS

Jennett E, Motamedi M, Rastegar S, Arcoria CJ, Frederickson CJ. Dye enhanced alexandrite laser for ablation of dental tissue. *Proceedings from the American Society for Lasers in Medicine and Surgery*, in press.

Arcoria CJ, Dusek M. Enamel surface effect and pulp response utilizing a high rep rate Nd:YAG laser. *Proceedings from the Academy of Laser Dentistry, Journal of Clinical Laser Medicine and Surgery*, 11:341-342, 1994.

Arcoria CJ, Frederickson CJ, Hayes DJ, Wallace D, Judy MM. Dye microdrop assisted laser for dentistry. *Proceedings from the American Society for Lasers in Medicine and Surgery*, supplement 5, Abstract #70: 17, 1993.

Lippas MG, Lippas K, Arcoria CJ. Hyperplastic tissue removal around maxillary implant bar using Carbon Dioxide laser ablation: A case report. *American Academy of Implant Dentistry*, in press.

Arcoria CJ. Pulp effects of contemporary dental lasers. *Biomedical Optics*, 1 (3):8, 1992.

Arcoria CJ, Khademi JA, Lippas MG. CO₂ and CO₂/Nd:YAG laser effects using an inert gas. *Proceedings from the Third International Congress on Lasers in Dentistry*, 3:60, #119, 1992.

Arcoria CJ, Vitasek BA, Lippas MG. Standardization of parameters using multiple lasers. *Proceedings from the Third International Congress on Lasers in Dentistry*, 3:46, #91, 1992.

Lippas MG, Arcoria CJ, Khademi JA. Surface analyses of Ho:YAG, CO₂, CO₂/Nd:YAG and Ar:F lasers. *Proceedings from the Third International Congress on Lasers in Dentistry*, 3:21, #42, 1992.

Arcoria CJ, Wagner MJ, Vitasek BA. Correlation between enamel morphological and dental pulp physiological outcomes as a function of lasing parameters. *SPIE-Biomedical Optics 1992 Proceedings*, "in press".

Khademi, JA, Arcoria, CJ, Kircos, LT. Digital surface analysis on SEM images of lased enamel. *Proceedings from the Third International Congress on Lasers in Dentistry*, 3:21, #41, 1992.

Fuselier C, Pearsall AD, Arcoria CJ. Further studies on the interaction of interpore 200 and HTR implants in rat alveolar bone. *Journal of Dental Research*, 71:265, #1274.

***Arcoria CJ, Vitasek BA, Ferracane JL. Microleakage of composite resin restorations following thermocycling and instrumentation. *Year Book of Dentistry*, "in press".

***Arcoria CJ, Vitasek BA, DeWald JP, Wagner MJ. Microleakage in restorations with glass ionomer liners after thermocycling. *Odontology Digest*, 2:30-33, 1991.

Arcoria CJ, Lippas MG, Speros P, Wagner MJ. Effect of excimer laser irradiation and acid-etching on pulpal tissue. *Journal of Dental Research*, 70:473, #1657, 1991.

*Melendez EJ, Arcoria CJ, DeWald JP, Wagner MJ. Composite/Enamel bond strength using multiple lasers vs. acid-etching. *Journal of Dental Research*, 70:571, #2444, 1991.

DeWald JP, Arcoria CJ, Spears RS, Marker VA. Evaluation of the interactions between amalgam, cement and gold castings. *Journal of Dental Research*, 70:293, #224, 1991.

Arita K, Arcoria CJ, Nishino M, Marker VA. Thermal influencing of the bond strength of repaired composites. *Journal of Dental Research*, 70:392, #1010, 1991.

*Butler JR, Arcoria CJ, Wagner MJ, Vitasek BA. Effects of time-varied sonication on compression of glass ionomer cements. *Journal of Dental Research*, 70:479, #1704, 1991.

*Schaulin BD, Arcoria CJ, Pearsall AD. SEM analysis of interpore 200 and HTR implants in rat alveolar bone. *Journal of Dental Research*, 70:302, #295, 1991.

Arcoria CJ. A computer program for evaluating dental morphology laboratory waxing projects. *Journal of Dental Education*, 55:98-99, 1991.

Arcoria CJ, Steele RE, Judy MM, Matthews JL, Hulst DF. Effect of combined CO₂ and Nd:YAG laser on dental pulps. *Journal of Dental Research*, 69:300, #1533, 1990.

*Icenhower TJ, Arcoria CJ, Wagner MJ. Microleakage in amalgam restorations following burnishing, polishing and time-varied thermocycling. *Journal of Dental Research*, 69:131, #180, 1990.

*Gonzalez JP, Vitasek BA, Arcoria CJ, Wagner MJ. Microleakage in Tytin amalgams after cavitron and piezoelectric instrumentation. *Journal of Dental Research*, 69:314, #1643, 1990.

Vitasek BA, Arcoria CJ, Marker VA. Effect of cavitron and piezo-electric ultrasonic instrumentation on composite resins. *Journal of Dental Research*, 69:127, #151, 1990.

*Melendez EJ, Arcoria CJ, DeWald JP, Judy MM, Wagner MJ, Hulst DF. Effect of laser-etch on bond strengths of glass ionomers. *Journal of Dental Research*, 69:362, #2030, 1990.

*Steele RE, Arcoria CJ, Davis WL, Judy MM, Charbeneau T, Hulst DF. Coaxial CO₂ and Nd:YAG laser effects on periodontal wound healing. *Journal of Dental Research*, 69:189, #641, 1990.

*Butler JR, Arcoria CJ, Simmons JJ, Wagner MJ. Compressive strength of Fuji and Ketac glass ionomers after sonication. *Journal of Dental Research*, 69:311, #1618, 1990.

Arcoria CJ, Hirsh M. Occlusal splint and occlusal adjustment videotapes for use in teaching preclinical occlusion treatment techniques. *Journal of Dental Education*, 54:60, 1990.

Arcoria CJ, DeWald JP, Vitasek BA, Wagner MJ. Effect of retentive cove placement on crown retention after thermocycling. *Journal of Dental Research*, 68:867, #7, 1989.

Arcoria CJ, Vitasek BA, DeWald JP. Microleakage in Tytin and Ketac-fil restorations with liners after thermocycling. *Journal of Dental Research*, 68:870, #30, 1989.

*Gonzalez JP, Arcoria CJ, Vitasek BA, Wagner MJ. Microleakage in glass ionomer-lined composite resins after ultrasonic scaling. *Journal of Dental Research*, 68:979, #897, 1989.

***Arcoria CJ, Cotmore JM, Wagner MJ. Effect of burnishing and polishing on high copper amalgam surfaces. *Dental Abstracts*, 34:324, 1989.

*Fisher MA, Arcoria CJ, Wagner MJ. Microleakage in glass ionomer-lined restorations after thermocycling. *Journal of Dental Research*, 68:208, #214, 1989.

DeWald JP, Arcoria CJ, Ferracane JL. Evaluation of glass-cermet cores under cast crowns. Journal of Dental Research, 67:204, #179, 1989.

Vitasek BA, Arcoria CJ. A dental explorer program for dental and dental hygiene student recruitment. Journal of Dental Education, 53:74, 1989.

Arcoria CJ, Vitasek BA, Ferracane JL. Marginal leakage analysis of composite resins after thermocycling and instrumentation. Journal of Dental Research, 67:309, #1570, 1988.

Vitasek BA, Arcoria CJ, Ferracane JL. Profilometric evaluation of composite resins following dental hygiene instrumentation. Journal of Dental Research, 67:221, #866, 1988.

Arcoria CJ, DeWald JP, Moody CR, Ferracane JL. Bond strengths of amalgam, alloy-glass ionomer cores and cements. Journal of Dental Research, 66:290, #1470, 1987.

TEACHING

TEACHING AIDS PUBLISHED

Arcoria CJ and Vitasek BA. Root morphology laboratory manual for junior dental hygiene students. This laboratory course manual was purchased and was in use at Missouri Southern State College Dental Programs in Joplin, Missouri, during the 1989-1991 academic years.

INTRAMURAL

AUDIOVISUAL MATERIALS

Arcoria CJ and Hirsh M. "Manipulating inlay wax: The drip wax technique." Baylor College of Dentistry, Department of Educational Resources and Operative Dentistry. August 1989.

Arcoria CJ and Hirsh M. "The occlusal splint: Laboratory fabrication." Baylor College of Dentistry, Department of Educational Resources and Operative Dentistry. July 1989.

Arcoria CJ, Hirsh M. "The occlusal adjustment technique." Baylor College of Dentistry, Department of Educational Resources and Operative Dentistry. March 1989.

TEACHING AIDS OR COURSE MANUALS

Arcoria CJ and Murff CY. Dental anatomy laboratory and lecture manual for first year dental students. Baylor College of Dentistry.

Arcoria CJ, Vitasek BA and Murff CY. Dental anatomy laboratory and lecture manual for junior dental hygiene students. Baylor College of Dentistry.

Arcoria CJ and Cloetta CL. Introductory occlusion manual for first year dental students. Baylor College of Dentistry.

Arcoria CJ, Staffanou RS and Cloetta CL. Clinical occlusion laboratory and lecture manual for third year dental students. Baylor College of Dentistry.

Footnotes to publications:

* Denotes articles or abstracts where the student was first author and I was the mentor.

** Denotes articles that were non-refereed.

*** Denotes a publication abstracted from articles that were previously published.

The names of authors that are underlined represent abstracts that denote a formal presentation at a national or international meeting.

APPENDIX A

TEACHING EXPERIENCE (from 1984-1986)

Hours per Academic Year					
<u>Duration</u>	<u>Course Title</u>	<u>Course level</u>	<u>Lecture</u>	<u>Lab</u>	<u>Clinical</u>
1984-1986	Dental Anatomy 6540 *Course Director	Undergraduate, D-1	33	0	0
1984-1986	Dental Anatomy 6543 *Course Director	Undergraduate, D-1	0	99	0
1984-1986	Dental Anatomy 334 *Course Director	Undergraduate, H-3	33	33	0
1984-1986	Operative Dentistry 8221-4	Undergraduate, D-3	0	0	523
Total Hours Per Teaching Category Per Academic Year			66	132	523

TEACHING EXPERIENCE (from 1986-Present)

Hours per Academic Year					
<u>Duration</u>	<u>Course Title</u>	<u>Course level</u>	<u>Lecture</u>	<u>Lab</u>	<u>Clinical</u>
1986-1994	Clinical Occlusion 8200 *Course Director	Undergraduate, D-3	17	0	0
1986-1994	Clinical Occlusion 8204 *Course Director	Undergraduate, D-3	0	22	0
1986-1994	Occlusion 6800 *Course Director	Undergraduate, D-1	11	0	0
2008-Present 1986-1994	Occlusion 6804 *Course Director	Undergraduate, D-1	0	22	0
1986-1991	Geriatric Dentistry 8100	Undergraduate, D-3	1	0	0
2008-Present 1984-1994	Dental Anatomy 6540 *Course Director	Undergraduate, D-1	33	0	0
2008-Present 1984-1994	Dental Anatomy 6543 *Course Director	Undergraduate, D-1	0	99	0
1984-1994	Dental Anatomy 334 *Course Director	Undergraduate, H-3	33	33	0
1984-1994	Operative Dentistry 8221-4	Undergraduate, D-3	0	0	523
Total Hours Per Teaching Category Per Academic Year			95	176	523

APPENDIX B

FACULTY RESEARCH PAPER CITATIONS

Category 1, subsection A:

Article entitled "Microleakage in alloy-glass ionomer lined amalgam restorations after thermocycling" was quoted by Drs. M.J. Taylor and E. Lynch in the Journal of Dentistry, January issue, 1992. One first author quote.

Article entitled "Microleakage in restorations with glass ionomer liners after thermocycling" was quoted by Dr. Richard Van Noort in the Journal of Dentistry, December issue, 1991. One first author quote.

Article entitled "Lasers in dentistry" was quoted by Dr. Terry D. Myers in the Chicago Dental Society Review, page 26, September issue, 1991. One first author quote.

Article entitled "The retention of core composites, glass ionomers, and cermets by a self-threading dentin pin: The influence of fracture toughness upon failure" was quoted by Dr. C.H. Lloyd and D.G.M. Butchart in the Journal of Dental Materials, volume 6, page 188, 1990. One first author quote.

Article entitled "Effects of thermocycling on amalgam and alloy-glass ionomer cores luted to cast gold crowns" was quoted by Dr. Richard Van Noort in the Journal of Dentistry, volume 18, page 5, 1990. One first author quote.

Article entitled "A comparative study of the bond strengths of amalgam and alloy-glass ionomer cores" was quoted by Dr. J. Simmons in the Journal of the American Dental Association, volume 120, page 49, 1990. One first author quote.

Article entitled "Effects of thermocycling on amalgam and alloy-glass ionomer cores luted to cast gold crowns" was quoted by Dr. J.P. DeWald in the Journal of Dental Materials, volume 6, page 129, 1990. One first author quote.

Total category 1a quotes = 7

Category 1, subsection B:

Article entitled "Evaluation of glass cermet cores under cast crowns" was quoted by Dr. Richard Van Noort in the Journal of Dentistry, December issue, 1991. One second author quote.

Abstract (student research project) entitled "Microleakage in amalgam restorations following burnishing, polishing and time-varied thermocycling" was quoted by M.D. Jendresen, E.P. Allen, J. Klooster, C. McNeill, R.W. Phillips, and J.D. Preston in the Journal of Prosthetic Dentistry, volume 66, page 91, 1991. One second author quote.

Total category 1b quotes = 1.0

Total category 1 quotes = 8.0

Category 2 (self-quotes):

Articles entitled "Effects of thermocycling on amalgam and alloy-glass ionomer cores luted to cast gold crowns" and "A comparative study of the bond strengths of amalgam and alloy-glass ionomer cores" were self-quoted in an article published in the Journal of Dentistry, volume 18, page 107, 1990.

Article entitled "Effects of thermocycling on amalgam and alloy-glass ionomer cores luted to cast gold crowns" was self-quoted in an article published in the Journal of Oral Rehabilitation, volume 18, page 10, 1991.

Article entitled "Enamel surface roughness and dental pulp response to coaxial carbon dioxide-neodymium:YAG laser irradiation" was self-quoted in an article published in the Journal of Dentistry, volume 20, pages 100 and 102, 1992.

Articles entitled "A comparative study of the bond strengths of amalgam and alloy-glass ionomer cores", "Microleakage of composite resin restorations following thermocycling and instrumentation", and "Microleakage in restorations with glass ionomer liners after thermocycling" were self-quoted in an article published in the Journal of Oral Rehabilitation, volume 19, pages 22 and 27, 1992.

Article entitled "Microleakage in restorations with glass ionomer liners after thermocycling" was self-quoted in an article published in the Journal of Prosthetic Dentistry, volume 67, page 307, 1992.

Articles entitled "Microleakage of composite resin restorations following thermocycling and instrumentation," "Surface profile analysis of conventional and high-copper amalgams after burnishing and polishing," and "Microleakage in restorations with glass ionomer liners after thermocycling" were self-quoted in an article published in General Dentistry, volume 40, pages 421-424, 1992.

Articles entitled "Microleakage in alloy-glass ionomer lined amalgam restorations after thermocycling," "Enamel surface roughness and dental pulp response to coaxial carbon dioxide-neodymium:YAG laser irradiation," and "Pulpal effects of Argon:Fluoride excimer laser irradiation and acid-etching of rat molar enamel" were self-quoted in an article published in Journal of Clinical Laser Medicine and Surgery, volume 10, pages 343-347, 1992.

An article entitled "Enamel surface roughness and dental pulp response to coaxial carbon dioxide-neodymium:YAG laser irradiation" was self-quoted in an article published in Lasers in Surgery and Medicine, volume 12, pages 401-409, 1992.

Total category 2 quotes = 15

Grand Total: Category 1 and 2 quotes = 8.0 + 15 = 23.0

Number of years from which citations were gathered = 4 years (1989-1993)