

# MARY-CATHERINE BARATA DEAN

## Education:

- 1998 Distance Education Fellow, Web Initiative in Teaching in Dental Education, Design Inquiry Workshops, University of Maryland University College
- 1991 Summer Institute for Dental Faculty, University of Minnesota
- 1985 Master of Science, Dental Hygiene Education, University of Missouri - Kansas City
- 1983 Bachelor of Science, Dental Hygiene, West Virginia University

## Course Work in Educational Methods:

- 2001-2011 Biennial participation in scheduled full faculty meetings/faculty development activities sponsored by VWCC for dental hygiene faculty
- 1998 University of Maryland, Distance Education Fellow; emphasis on web-based instruction, applying a variety of pedagogical methods to online instruction, developed an introductory course for dental and dental hygiene students
- 1991 University of Minnesota, Summer Institute for Dental Faculty; emphasis on teaching methodologies and delivery of didactic content
- 1983-1984 University of Missouri-Kansas City; coursework in curriculum design, educational methods, evaluation, clinical and didactic practicum
- 1982-1983 West Virginia University; elective in didactic teaching

## Work Experience:

### **Higher Education**

- 2001 – 2011 Adjunct Associate Professor, Joint Venture Dental Hygiene Program, Virginia Western Community College, Roanoke, Virginia (distance education sites: Danville Community College, Danville, VA; Lord Fairfax Community College, Winchester, VA; and, Central Virginia Community College, Lynchburg, VA); primary responsibilities: course development and lecturer for Dental Hygiene Seminar I, III, IV and V (Fall, 2001 – Fall, 2009), Oral Anatomy (Fall, 2001 – Fall, 2010), and Oral Pathology (Spring 2008 – Spring, 2011); clinical faculty for first and second year clinical dental hygiene instruction (Fall, 2001 – Spring, 2009)
- 1989-2001 Department of Dental Hygiene, Dental School, University of Maryland at Baltimore, Baltimore, Maryland; primary responsibilities included: course development and lecturer Prevention and Control I and II which included Oral Anatomy and Nutrition (1989-2001), Advanced Clinical Practice I and II (1992-1998); Dental Hygiene Northeast Regional Board Examination Coordinator (1995-2001); clinical faculty for junior and senior clinical dental hygiene instruction  
*Academic Titles:*
  - 1999-2001 Clinical Associate Professor
  - 1998-1999 Clinical Assistant Professor
  - 1989-1995 Dental School Assistant Professor
  - 1989-1996 Junior Dental Hygiene Clinic Coordinator
  - 1989-1997 Dental Hygiene Clinic Coordinator
  - 1989-1998 Associate Graduate Faculty
  - 1989-1999 Assistant Professor
- 1987-1999 Assistant Professor, Caruth School of Dental Hygiene, Baylor College of Dentistry, Dallas, Texas; primary responsibilities included: course co-ordinator and lecturer Dental Hygiene Education: Methods and Techniques of Teaching, Dental Hygiene Education Practicum, and Dental Hygiene Practice I; lecturer Gerontology, Theory of Dental Hygiene; laboratory instructor Periodontology; clinical faculty for junior and senior clinical dental hygiene instruction

1984-1985 Clinical Instructor, Department of Dental Hygiene, Johnson County Community College, Overland Park, Kansas; primary responsibility included: clinical instruction first and second year dental hygiene students

### **Clinical Practice & Licensure**

2009-present Texas  
2001-present Virginia Teacher's License, local and nitrous oxide anesthesia certification  
1989-present Maryland  
    1989-1991 Periodontal Practice - Dr. Bruce Mandel, Owings Mills, Maryland  
    1989-2000 Faculty Dental Service Plan, UMAB  
1989-1992 Texas  
    1988-1989 Periodontal Practice - Dr. Jacqueline Plemmons, Richardson, Texas  
    1988-1989 Dr. Joan Chamberlain, Irving, Texas  
1983-1991 Missouri, local and nitrous oxide anesthesia certification  
    1986-1987 Periodontal Practice - Dr. Robert R. Schlueter, St. Louis, Missouri  
    1986-1987 Dr. Roger K. Zacher, Chesterfield, Missouri  
    1986-1987 Dr. Harry Mack, Kirkwood, Missouri  
    1985-1986 Dr. Lonnie G. Prince, Gladstone, Missouri  
    1983-1986 Dr. Edward R. Haggerty and Dr. Sam K. Kallsnick, Summit Dental Center, Lee's Summit, Missouri  
1983-1991 West Virginia

### **Continuing Education Courses Presented**

1987-2002 Over 80 courses presented on infection control, ergonomics, power debridement and instrumentation, and competencies in dental hygiene education given at the national, state, and local levels. A detail listing of these presentations is available upon request.

### **Consultantships**

1999-2000 Consultant, Scientific Advisory Board, Optiva Corporation, Snoqualmie, Washington  
1995 Text Book Reviewer, Appleton and Lange, Simon & Shuster Publishers, Stamford, Connecticut  
1994-2001 Member, Ad-Hoc Committee, Expert Review Panel for Bloodborne Pathogens, Maryland State Board of Dental Examiners  
1993-2002 Editorial Review Board, Journal of the American Dental Association

### **Service Activities:**

#### **Professional Organizations and Affiliations**

##### Memberships, Offices and Committee Chairmanships

1983-2010 American Dental Education Association (formerly American Association of Dental Schools)  
    2000-2002 Councilor, Section on Dental Hygiene Education  
    1997-1999 Chair, Dental Hygiene Competency Statements Draft Development and Review Committees, American Association of Dental Schools  
    1996 Chair, Section on Dental Hygiene Education  
    1995 Chair-elect, Section on Dental Hygiene Education  
    1994 Secretary, Section on Dental Hygiene Education  
    1993 Chair, Curriculum Guidelines for Dental Materials (Dental Hygiene), American Association of Dental Schools  
    1991 Curriculum Guidelines for Dental Materials (Dental Hygiene), American Association of Dental Schools  
    1988 Curriculum Guidelines for Chemical Dependency, (Dental), American Association of Dental Schools  
  
1983-2011 American Dental Hygienists' Association  
    2001-2010 Shenandoah Valley Dental Hygienists' Association  
    1989-2001 Howard County Dental Hygienists' Association  
    1987-1989 Dallas Dental Hygienists' Society  
        1988 Board of Directors  
        1988 Trustee, Midwinter Dental Clinic Co-chair  
    1986-1987 Greater St. Louis Dental Hygienists' Association

1983-1986 Greater Kansas City Dental Hygienists' Association  
 1979-1983 Student American Dental Hygienists' Association  
 1982 President  
 1981 Treasurer  
 1980 Class Representative  
 1979 Class Representative

1979-1983 American Student Dental Association  
 1981,1982 Secretary  
 1979-1983 Class Representative

1988-1991 International Association for Dental Research

1987-1991 American Association for Dental Research

Other Committee/Service Activities –Higher Education

2001-2009 Virginia Western Community College: Admissions Committee

1989-2001 Baltimore College of Dental Surgery: Bloodborne Pathogens/Infection Control, Central Materials Services Advisory, Student Affairs, Dress Code, Continuous Quality Improvement, Dental Hygiene Education, Clinic Advisory, and Third and Fourth Year Advancement Committees, Faculty Council, Faculty Advisor Student Dental Hygienists' Association, Performance Logic Working Group, Task Force on Patient Scheduling, and Search Committees for Assistant Dean for Admissions and Student Affairs, and General Practice Managers

1987-1989 Baylor College of Dentistry: Library, Teaching, Alcohol and Drug Abuse, and Junior and Senior Dental Hygiene Scholarship Committees, Faculty Advisor Student American Dental Hygienists' Association

Other Committee/Service Activities – Local Community

1993-2001 Instructor-Trainer, Cardio-Pulmonary Resuscitation  
 1989-2001 Instructor, Cardio-Pulmonary Resuscitation

Roanoke Catholic School, Roanoke, VA  
 Active volunteer with over 300 hours annually including President of the Home and School Association 2004 – 2006

North Roanoke Recreation Club, Roanoke, VA  
 2005 – 2009 Recording Secretary, NRRC Board of Directors  
 2003 – 2009 Active volunteer, participated as Team Parent for baseball and soccer

Northside Middle School, Roanoke, VA  
 2007 – 2009 PTA, Third Vice-President for Legislation and Website Developer  
 2008 – 2009 PTA, Bylaws Committee Chairperson

Seven Lakes High School, Katy, TX  
 2009-2010 PTSA, Publicity Co-Chairperson  
 2010-present PTSA, First Vice-President for Programs  
 2011-present PTSA Website Manager

**Honors and Awards**

2011 Texas PTA Lifetime Member Award  
 2009 Virginia PTA Lifetime Member Award  
 2004 "Team Mom of the Week" recognized by local coaches  
 2000 Sigma Phi Alpha, National Dental Hygiene Honor Society  
 1999 AADS/Proctor & Gamble "Crest" Dental Hygiene Teaching Excellence Award  
 1995 Department of Dental Hygiene "Teacher of the Year" Award  
 1992 Department of Dental Hygiene "Teacher of the Year" Award  
 1991-2000 Graduation Marshall, Dental Hygiene (elected by Graduating Dental Hygiene class)

1983-1985 Graduate Teaching Assistantship  
1981 West Virginia Dental Auxiliary Award for Leadership and Scholarship

## **Publications:**

### **Books**

Schoen, Diane H. and Dean, Mary-Catherine: Contemporary Periodontal Instrumentation. W.B. Saunders, Philadelphia, Pennsylvania, 1996 (English, Korean, Portuguese, and Spanish translations)

Schoen, Diane H. and Dean, Mary-Catherine: Preclinical Workbook for Periodontal Instrumentation, Department of Dental Hygiene, Baltimore College of Dental Surgery, University of Maryland at Baltimore, copyright 1993.

### **Book Chapters**

Dean, Mary Catherine and Jacqueline Fried: Strategies for Oral Health Promotion, Disease Prevention, and Control, in Darby, M., 6 th ed., Comprehensive Review of Dental Hygiene. Mosby, St. Louis, Missouri, 2006.

DeVore, Linda Rubinstein and Dean, Mary Catherine: Strategies for Oral Health Promotion, Disease Prevention, and Control, in Darby, M., 5 th ed., Comprehensive Review of Dental Hygiene. Mosby, St. Louis, Missouri, 2001.

DeVore, Linda Rubinstein and Dean, Mary Catherine: Strategies for Oral Health Promotion, Disease Prevention, and Control, in Darby, M., 4th ed., Comprehensive Review of Dental Hygiene. Mosby, St. Louis, Missouri, 1997.

Dean, Mary-Catherine and Wooten, Ruth K.: Special Infection Control Considerations: Restorative Dentistry, Periodontics, Pediatric Dentistry, Prosthodontics, Endodontics, Orthodontics and Oral and Maxillofacial Surgery, in Cottone, J.A., Terezhalmay, G.T. and Molinari, J.A., 2nd ed., Practical Infection Control in Dentistry. Williams and Wilkins, Baltimore, Maryland, 1996

DeVore, Linda Rubinstein and Dean, Mary-Catherine: Strategies for Oral Health Promotion, Disease Prevention, and Control, in Darby, M., 3rd ed., Comprehensive Review of Dental Hygiene. Mosby, St. Louis, Missouri, 1994.

### **Articles**

Dean, MC and Fried, JF, "Comprehensive Caries Management in Children: A Case Report", Case Studies in Dental Hygiene, 1(1):1-7;2000.

Dean, MC, Barnes, DM, and Blank, L, "A Comparison of Two Prophylaxis Angles: Disposable and Autoclavable", JADA, 128(4):444-7;1997.

Barata, MC and Schoen, DH, "Comparison of Two Instructional Approaches in Preclinical Dental Hygiene", JDE, 57(10):1-4;1993.

Wooten, RK and Barata, MC, "Procedures-Specific Infection Control Recommendations for Dentistry", pp 332,334,336-344, 346. Compend Contin Educa Dent, 14(3);1993.

### **Book Reviews**

Dean, MC, reviewed "Infection Control and Management of Hazardous Materials for the Dental Team" by Miller, C.H. and Palenik, C.J., JDH, 69(6):256;1995.

### **Published Abstracts**

Dean, MC, Romberg, E, Fletcher, J, Rogers, S, "Back, Neck, and Shoulder Pain: Results of a Pilot Study", JDE, Abstract #168, 61(2):178;1997

Dean, MC, Barnes, DM, Blank, L, "A Comparison of Two Prophylaxis Angles: Disposable and Autoclavable", J Dent R, Abstract #1453, March, 1995

Wilson, MB and Barata, MC, "Easing the Transition: The Dental Hygiene Residency Program", JDE, 57(2):120, 1993.

Barata, MC and Schoen, DH, "Longitudinal Evaluation of the Clinical Simulation Program", JDE, 56(1):62, 1992.

Svirsky, J, DePaola, L and Barata, M, "Maximizing the educational component to enhance clinical training. Second National Workshop, AIDS-ETC, 1:76, 1992.

Barata, MC and Schoen, DH, "The Clinical Simulation Program (CSP) in Preclinical Dental Hygiene", JDE, 55(1):73, 1991.

Barata, MC, Muzzin, KB, Altshuler, BD and Dechow, PC, "Bulimia: An In Vitro Investigation of Three Desensitizing Agents," J Dent Res, Abstract #1297, March, 1990.

### **Editorial Review Board**

Gage, Tommy W. and Pickett, Frieda A.: Mosby's Dental Drug Reference. Mosby, St. Louis, Missouri, 1994-2004.

### **Interviews**

Dean, MC interviewed by Jill Rethman, "In the Spotlight", JPH, 6(1): 1997.

### **Grants**

- 1995-1996 "Prematriculation Coordinator," Phase III, Health Careers Opportunity Program grant (HCOP). Principal-Investigator, Denise Harmening, Department of Medical and Research Technology. Funding Agency: Department of Health and Human Services, U.S. Public Health Service.
- 1993-1995 Barnes, D.M., Dean M.C., Gingell, J.C. and Blank, L.W. (Co-Principal Investigator). "Dentsply International Disposable Prophylaxis Angles: A Clinical Evaluation". Funded. \$6,800.00
- 1992-1996 Regional AIDS Education and Training for Dental Health Care Workers. As part of Mid-Atlantic AIDS Education and Training Center, Health and Human Services, HRSA, Co-Investigator, Total funding \$178,840.00.
- 1991-1993 Barata, MC. (Principal Investigator). "Bulimia: The In Vitro Effect on Two Desensitizing Agents". University of Maryland Dental School Special Research Committee Grant. Funded. \$2,531.00 (in progress)
- 1988-1989 Barata, M.C., Altshuler, B.D. and Muzzin, K.B. (Principal Investigator). "Bulimia: The Effect of Hydrochloric Acid on Three Desensitizing Agents In Vitro." Baylor College of Dentistry Research Grant. Funded. \$1,903.00
- 1983-1985 Barata, M.C. (Principal Investigator). "The Effectiveness of Pulsating Stannous Fluoride Irrigation on the Periodontal Maintenance Patient." Rinehart Foundation, University of Missouri-Kansas City. Funded. \$370.00 (Graduate Thesis)

### Non-Funded Studies

- 1992-1993 Wilson, M.B. and Barata, M.C., "Easing the Transition: The Dental Hygiene Residency Program."
- 1991-1992 Barata, M.C. and Schoen, D.H., "Longitudinal Evaluation of the Clinical Simulation Program (CSP)."
- 1990-1991 Barata, M.C. and Schoen, D.H. (Co-Investigator), "The Clinical Simulation Program in Preclinical Dental Hygiene."

### References

Mrs. Martha Sullivan, Associate Professor and Program Director, Joint Venture Dental Hygiene Program, Virginia Western Community College, Roanoke, VA, [msullivan@virginiawestern.edu](mailto:msullivan@virginiawestern.edu), 540.857.6282

Mrs. Jacquelyn Fried, Program Director, Division of Dental Hygiene, University of Maryland School of Dentistry, Baltimore, MD, [jfried@umaryland.edu](mailto:jfried@umaryland.edu), 410.706.7773

Mrs. Amy White, Assistant Professor Biology, Virginia Western Community College, Roanoke, VA,  
[awhite@viriniawestern.edu](mailto:awhite@viriniawestern.edu), 540.857.6302