

CURRICULUM VITAE
Seema S. Ashrafi

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EDUCATION

- 1999: Specialty certificate in Periodontics
University of Illinois at Chicago, IL
- 1994: M.S., in Histology
University of Illinois at Chicago, IL
- 1993: D.D.S.
University of Illinois at Chicago, IL
- 1991: B.S., in Dentistry
University of Illinois at Chicago, IL
- 1988: B.S., in Biology
University of Illinois at Chicago, IL

WORK EXPERIENCE

- 1999- 2007: Clinical Assistant Professor,
Department of Periodontics, College of Dentistry, University of
Illinois at Chicago
- 2008- Current: Clinical Associate Professor
Department of Periodontics, College of Dentistry, University of
Illinois at Chicago

Major Teaching Assignments:

Clinical:

- Spring 2012-current: Program Director, Pre-doctoral Periodontics,
Fall 2004- Current: Periodontal clinical manager for Group practice Monet
Fall 1999- Current: Clinical teaching in Periodontics

Didactic:

DMD Curriculum

- Fall 2011-Current: Section Leader for Periodontic Component of Dental Applied Oral
and Behavioral Science 311
- Spring 2012-Current: Section Leader for Periodontic Component of Dental Applied Oral
and Behavioral Science 312

Summer 2012-Current: Course Director for Dental Applied Oral and Behavioral Science
321

Fall 2012-Current: Course Director for Dental Applied Oral and Behavioral Science
322

DDS Curriculum

Spring 2005- 2010: Course Director for Comprehensive Care 314

Spring 2005- 2011: Course Director for Comprehensive Care 315

Sum 2005- 2011: Course Director for Comprehensive Care 316

Fall 2005-2011: Course Director for Comprehensive Care 317

Fall 2004- 2010: Course Director- for periodontal component of the Comprehensive Care
DADM 314

Spring 2004: Course Director of PERI 312 and Community Services

Spring 2002- 03: Course Director of PERI 311

Sum 2003- 04: Course Director of PERI 321, Preventive Dentistry II

Fall 2004- Current: Guest Lecturer in DHY 243 (Course for Dental Hygiene Students)

Part time private practice:

2000- Current: Faculty Dental Practice, UIC College of Dentistry

1996-1999: Teaching Assistant, Department of Periodontics
University of Illinois Dental College

1993: University of Illinois Externship, Department of Pediatric Dentistry
- Participated in treating emergencies, screening and treating recall
patients on regular basis

1989: EKG Technician, Department of Cardiology,
St. Anthony Hospital

1985-1988: Administrative Service Assistant (Main Library),
University of Illinois at Chicago

LICENSURE/REGIONAL & STATE BOARDS

National boards Part I and II

North East Regional Boards in Dentistry: May, 1993

North East Regional Boards in Periodontal Specialty: July 14, 1999

Diplomate, American Board of Periodontology: May 7, 2003

MEMBERSHIP IN HONARARY SOCIETY

2003- Current: Omicron Kappa Upsilon Honorary Dental Society

HONORS

1993: Externship Award in Pediatric Dentistry,

UIC College of Dentistry- Summer

- 1992: Table clinic presentation, UIC College of Dentistry Undergraduate Division Second Place Award
- 1990-1991: N.I.H. Summer Dental Research Fellowship at University of Illinois at Chicago
- 1985-1986: Chancellor Student Service Award Winner

SPECIAL AWARD

- 2005: The American Academy of Periodontology 2005 Clinical Teaching Award
- 2008: Recipient of the Crystal Apple Award by the Class of 2011
- 2009: E. Lloyd Du Brul Faculty Achievement Award
- 2012: Recipient of the Golden Apple Award by the Class of 2014
- 2013: Chicago Dental Society Foundation Clinical Faculty Fellowship
- 2014: Recipient of the Golden Apple Award by the DMD AS Class of 2014
- 2015: Recipient of the Golden Apple Award by the DMD AS Class of 2015
- 2015: Recipient of the Golden Apple Award by the DMD Class of 2015
- 2015: Recipient of the Golden Apple Award by the DMD AS Class of 2016

PROFESSIONAL AFFILIATIONS

- 1996- Current: American Academy of Periodontology
- 2004- Current: American Board of Periodontology
- 2006- Current: American Dental Education Association
- Woman Liaison Officer for the University of Illinois at Chicago

COMMITTEES

- 2013- Current: Chair: Subcommittee of the Executive Committee on Student Promotions university of Illinois at Chicago, IL
- 2011- 2013: Member: Subcommittee of the Executive Committee on Student Promotions university of Illinois at Chicago, IL
- 2013- Current: Chair: Curriculum Committee at University of Illinois at Chicago, IL
- 2011- 2013: Member: Curriculum Committee at University of Illinois at Chicago, IL
- 2012-Current: Member: Curriculum Advisory Committee at University of Illinois at Chicago, IL
- 2011- Current: Member: Curriculum Planning University of Illinois at Chicago, IL
- 2010: Committee chair for Post Graduate Periodontics Faculty Search
- 2007: Team Leader: Curriculum Restructuring Team University of Illinois at Chicago, IL
- 2004- Current: Member: Admissions Committee University of Illinois at Chicago, IL
- 2003- 2010: Member: Faculty Dental Practice Management Committee University of Illinois at Chicago, IL

Special Project:

- Spring 2007: Department Representative: College of Dentistry Accreditation Committee University of Illinois at Chicago, IL

CURRENT RESEARCH INTEREST

- 2007- Current: Dental Simulation Research
- Novice Dental and Hygiene Students Interactive 3D CD for Basic Principles of Furcation Classification and Identification using the Naber's Probe
- 2011- Current: Self Learning Module on Hand Instrumentation
- 2014-Current

RESEARCH PROJECTS

- 2002-2004: Title: *Use of Honey in Treatment of Aphthous Ulcers*.
UIC College of Dentistry, Department of Periodontics: Clinical observations showed that honey cleared up infections resulted in significant reduction of swelling, pain inflammation, edema and exudation (Molan, 1998). Based on the documented benefits of honey in wound healing, the therapeutic anti-inflammatory activity of honey may possibly be a treatment option for the clinical symptoms associated with aphthous ulcers including pain, swelling, size and color. Hypothesis of this research is that honey possesses anti-inflammatory activity and can be used in treating clinical symptoms of the aphthous ulcers in human subjects. The objective of this study is to evaluate the anti-inflammatory effects of honey in managing the clinical symptoms associated with aphthous ulcers.
- 1998-1999: Title: *Thrombogenicity of Regenerative Materials*
UIC College of Dentistry, Department of Periodontics: Participated in studying platelet thrombogenicity on different regenerative materials used during wound healing
- 1990-1991: N.I.H., Summer Fellowship.
University of Illinois, Department of Histology: Participated in studying the localization of Calcium Pump in rat incisor

PRIOR EXTRAMURAL RESEARCH GRANTS

Principal Investigator: Use of Honey in Treatment of Aphthous Ulcers (2001-2007).
National Honey Board. Total direct costs: \$10,800.00

PRESENTATIONS

Poster:

ASHRAFI S, Mastronikolas S, and Wu CD. Use of Honey in Treatment of Aphthous Ulcer. The 83RD General Session and Exhibition of IADR/AADR/CADR, March 2005, Baltimore, USA.

Oral:

Steinberg A, Bashook P, Drumend J, ASHRAFI S and Zefran M. Validation Study of PerioSim©, a Haptic-3D Virtual Reality Dental Training Simulator. The 85th IADR General Session, March 2007, New Orleans, USA.

PUBLICATIONS

Papers:

Borke JL, Zaki AE, Eisenmann D, Ashrafi SH, **ASHRAFI SS**, and Penniston JT. Expression of Plasma Membrane CA⁺⁺ Pump Epitopes Parallels the Progression of Enamel and Dentin Mineralization in Rat Incisor. *Journal of Histochemistry and Cytochemistry* 1993;41(2):175-181.

Abstracts:

Steinberg A, Drummond J, Bashook P, Žefran M, **ASHRAFI S**. Haptic, 3D, Virtual Reality Dental Training Simulator Reality Validation, (www.dentalresearch.org). *J Dent Res (Abstract)* 2006;85(Iss A):1264-1264

Steinberg A, Zefran M, Kolesnikov M, **ASHRAFI S**, Drummond J. Advances in Developing a Haptic-- Based Periodontal Probing 3-D Virtual Simulator. *Journal of Dental Education (Abstract)* 2007; 71(1):113-113.

Steinberg, A.D., Ashrafi, S., Zefran, M., and Kolesnikov, M. Facilitate Learning Periodontology Probing Skills By Using a CD with 3D Video Recordings. Tech Expo programs at the ADEA 95th Annual Session. *J. Dent. Edu.*, Abstract, March 31, 2008, Dallas, TX

Steinberg, A.D., Žefran, M. Kolesnikov and Ashrafi, S M. Developing an Interactive CD in Combination With a Haptic-Based Simulator for Novice Student Self-Training in Periodontal Probing. Tech Expo Programs at the ADEA 87th Annual Session and Exhibition Program, Washington, DC Abstract #386, p. 70, March 1, 2010.

Manuscript:

Steinberg A, Bashook P, Drummond J, **ASHRAFI S**, Zefran M. Validation Study of PerioSim©, a Haptic-3D Virtual Reality Dental Training Simulator (In Press). *Journal of Dental Education*.

Other Publications:

2013: Kawar N, **Ashrafi S**, Sturgeon M, Khan S, Goetz D, Gantos M, Patel K, Gandhi A, Ali H, Marucha P, Weiner W. Periodontal

Disease and Systemic Health. MedEdPORTAL; 2013. Available from: www.mededportal.org/publication/9584

- 2011: **ASHRAFI S**, Nuha Nakib. Need for Antibiotic Premedication for Patients Having Periodontal Dental Procedures. Journal of Disease a Month 2011; 218-223
- 2011: Nuha Nakib, **ASHRAFI S**. Drug Induced Gingival Overgrowth. Journal of Disease a Month 2011; 225-229
- 2005: CD-ROM based training module:
Steinberg A, Mukherjee S, **ASHRAFI S** (Technical Support). Root planing and scaling” and “Introduction to the use of the Cavitron. UIC College of Dentistry, Department of Periodontics
- 2005–Present: Steinberg A and **ASHRAFI S**. Learning Periodontal Probing Skills. UIC College of Dentistry, Department of Periodontics: 2D and 3D Virtual Reality Dental Training CD for Periodontal Probing, Provides basic scientific principles for periodontal probing procedure, both scientific theory and necessary instrumentation are presented in both 2D and 3D. Students are provided with a take home, highly interactive CD with the ability to view 2D and 3D instrumentation, learn and practice procedures and be self-tested. The CD provides basic information about the procedure and prepares the student for clinical application. 3) Allows for unlimited practice time, testing of student’s ability to learn the procedure and helps standardize the mm reading of pocket depth in a 3D, VR environment.
- 2015-present: RE: TLT-2014-06-0123.R1, "ToothPIC : Tooth Placement and Identification Coach, an Interactive Application for Teaching Oral Anatomy", Manuscript Type: Short paper, Authors: Javaid, Maria; Ashrafi, Seema; Zefran, Milos; Steinberg, Arnold

COMMUNITY SERVICES

- 2000- Current: IFS School: Educator on early oral health care needs for grade school children ranging from ages four to nine.
- 1982-1983: Technical Operations, UIC Dental College: Served during the summers in the Electron Microscopy Lab

1982: Activity Coordinator, PARC HOME: Provided necessary care for the severely handicapped including group activities, helping them throughout meals, physical activities, etc.