

ENDODONTICS (EN)

Department Chairperson

Adham Azim

Associate Professor of Endodontics

Faculty

Adham Azim, Chair - Department of EN, Certificate, Columbia University, 2012 | D.D.S., University at Buffalo, School of Dental Medicine, 2020

Orest Balytsky, Assistant Professor, BS, Lviv Medical Institute, 1981 | Certificate, University of Pittsburgh School of Dentistry, 1998 | DMD, University of Pittsburgh School of Dentistry, 1995

Craig Dunlap, Associate Professor, BS, UC Davis, 1990 | Certificate, University of Illinois, Chicago, 1996 | DDS, UC San Francisco, 1994 | Other, Oregon Health Sciences University, 2010

Samer Ebeid, Assistant Professor, BS, Univeristy of San Francisco, 1989 | Certificate, Boston Univeristy School of Dental Medicine, 1996 | DDS, University of the Pacific, 1992

Jennifer Fong, Assistant Professor, BS, UC Davis, 2004 | Certificate, VA Palo Alto, 2008 | D.D.S., University of the Pacific, School of Dentistry, 2007 | Other, Tufts Denal School, 2013

Alan Gluskin, Professor, BA, University of California, Los Angeles, 1968 | CERT, Temple University, 1976 | DDS, University of the Pacific School of Dentistry, 1972

Alexander Hanley, Clinical Assistant Professor, B.Sc., Santa Clara University, 2003 | Certificate, Naval Medical Center San Diego, 2008 | D.D.S., University of the Pacific Arthur A. Dugoni School of Dentistry, 2007 | M.S., University of Washington, 2013

Samer Hejlawy, Clinical Assistant Professor, DDS, University of Colorado, Denver, 2013 | DDS, University of Tishreen, Syria, 1997 | M.S.D., University of the Pacific, 2017

Gordon Lai, Clinical Assistant Professor, D.D.S., UCSF, 2006 | Endodontology, University of the Pacific - Arthur A Dugoni School of Dentistry, 2020 | M.S.D., University of the Pacific - Arthur A Dugoni School of Dentistry, 2020

Stephanie Lee, Clinical Assistant Professor, B.Sc., UCLA, 2014 | Certificate, University of Pennsylvania, School of Dental Medicine, 2021 | D.D.S., Harvard School of Dental Medicine, 2018

Dina Moussa, Assistant Professor, B.D.S., Manoura University, 2003 | M.D.S., Mansoura University, 2011 | Ph.D., Univeristy of Minnesota, 2018

Prasanna Neelakantan, Associate Professor

Walid Nehme, Clinical Associate Professor, D.D.S., Saint Joseph University of Beirut, 1988 | M.Sc., Saint Joseph University of Beirut, 2006 | M.S.D., Saint Joseph University of Beirut, 1994 | Ph.D., Saint Joseph University of Beirut

Michael Pham, Clinical Assistant Professor, B.Sc., University of the Pacific, 2012 | Certificate, University of Minnesota, 2021 | D.D.S., University of the Pacific Arthur A. Dugoni School of Dentistry, 2015 | M.Sc., University of Minnesota, 2021

Yasaman Ravandoust, Assistant Professor, DDS, Azad University, School of Dentistry, 1999 | DDS, UCSF, 2010 | MS, Isfahan University, 2001 | MS, UCSF, 2013

Ali Rezai, Assistant Professor, Manhattan VA Medical Center, 2000 | Manhattan VA Medical Center/New York University, 2002 | BA, University of California, Davis, 1987 | DDS, Columbia University School of Dental & Oral Surgery, 1999

Mark Stevenson, Clinical Assistant Professor, Certificate, University of Southern California School of Dentistry, 1997 | Certificate, University of Southern California Medical Center, 1989 | D.D.S., Georgetown University School of Dentistry, 1988

Kenneth Tittle, Assistant Professor, VA Medical Center at Long Beach, CA, 1990 | BS, University of California, Santa Barbara, 1985 | DDS, University of the Pacific, 1989 | MS, Loma Linda University, 1995

Mia Tittle, Clinical Instructor, B.Sc., University of California, Santa Barbara, 2014 | Certificate, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2022 | D.D.S., University of the Pacific, Arthur A. Dugoni School of Dentistry, 2018

Ralan Wong, Associate Professor, College of San Mateo, 1988 | Skyline College, 1988 | University of the Pacific, 1989 | University of the Pacific, 1994 | University of Pennsylvania, 1997 | University of Vienna, 1996 | D.D.S., University of the Pacific, 1992 | MS, University of Pennsylvania, 1997

Adjunct Faculty

Fred Cho, Clinical Instructor, B.A., University of The Pacific, 1984 | Certificate, University of Pennsylvania, 1996 | D.D.S., University of The Pacific, 1987

Sahar Dadvand, Clinical Assistant Professor

Sheila Patwardhan, Assistant Professor, BA, St. Mary's College, 1998 | MS, St. Mary's College, 2001

Mohammad Saghiri, Instructor, BS, Karaj University, 2002 | MS, Azad University, Science and Research Branch, 2006 | PhD, Azad University, Science and Research Brand, 2010 | PhD, Tehran University, 2011

Scott Wilkinson, Assistant Professor, BA, West Virginia University, 1988 | BA, West Virginia University, 1989 | Certificate, Temple University, EN Dept., 1999 | DMD, Medical University of South Carolina School of Dentistry, 1993

Course Descriptions

Predocloral Courses

EN 249. Preclinical Endodontics. 2 Units.

Study of pulp morphology, anatomy, cleaning and shaping of root canals; access openings; use of irrigating solutions; obturating the canal and judging the complete treatment with radiographs.

EN 253. Basic Endodontics. 1 Unit.

Development of the dental pulp, classification and nature of endodontic diseases, clinical diagnoses, and fundamentals of root canal therapy and radiographic interpretation. (10 hours lecture. Quarter 5.).

EN 254. Endodontics. 1 Unit.

Review of endodontic retreatment and surgical therapies; dental trauma and sequelae; complex problem solving; endodontic emergencies; endodontic mishaps; and alternate treatments. (10 hours lecture. Quarter 6.)

EN 259. Clinical Endodontics I. 2 Units.

Study of endodontic diagnosis, treatment planning, and therapy, including management of endodontic emergencies and surgical endodontics in a comprehensive clinical dental practice setting. (Quarters 7-8.)

EN 359. Clinical Endodontics II. 8 Units.

Study of endodontic diagnosis, treatment planning, and therapy, including management of endodontic emergencies and surgical endodontics in a comprehensive clinical dental practice setting. (Quarters 9-12.)

Graduate Courses**EN 401. Endodontic Technology I. 1 Unit.**

This course introduces residents to endodontic technology. (Quarter 1.)

EN 402. Endodontic Therapy Seminar I. 2 Units.

Residents discuss contemporary endodontic strategies and the application of current scientific evidence to endodontic treatment. (Quarters 1-2.)

EN 403. Endodontic Biology and Pathology I. 2 Units.

This course presents the biology and etiology of pulpal and periapical disease. (Quarter 1.)

EN 404. Advanced Endodontics Seminar Series I. 4 Units.

This interdisciplinary course series is designed to expose the endodontic residents to relevant topics in endodontics and its related fields. Seminars will be held either in person or over Zoom with expert faculty and/ or guest speakers. Seminars will include, but are not limited to, diagnosis, clinical endodontics, stem cells, biomaterials, vital pulp therapy, pain management, ethics, dental trauma, tooth development, embryology, craniofacial development, scientific writing, periodontal-endodontic relationships, orthodontic-endodontic relationships, managing medical emergencies, dental implants, radiology, and sedation.

EN 405. Advanced Endodontic Technique. 8 Units.

This preclinical course uses simulated root canal treatment on extracted teeth with a variety of instruments and devices to prepare residents for clinical care. (Quarter 1.)

EN 406. Research Lab Techniques. 2 Units.

This course is intended to teach students basic research lab techniques that will allow them to perform their masters project more efficiently.

EN 411. Case Seminar I. 12 Units.

Residents review their own cases prepared according to ABE board documentation rules. (Quarters 1-4.)

EN 412. Classic Literature I. 12 Units.

Residents review the body of classic literature pertinent to endodontics, including material relevant for board preparation. (Quarters 1-4.)

EN 413. Current Literature I. 4 Units.

In this course, residents review current endodontic literature using the EndoLit iPad app. (Quarters 1-4.)

EN 414. Research Seminar I. 1 Unit.

This course is composed of weekly presentations and discussions of the current research projects that residents (8), intern (1), and PhD student (1) have within the department. Each student will present once/quarter (10 presentations total) their research progress and receive feedback on how to better improve their work.

EN 422. Clinical Transition: Evidence-based Endodontics. 4 Units.

This course introduces residents to the evidence-based modalities and local rules for treating patients endodontically in the school's clinic. (Quarter 2.)

EN 424. Pain/Neuro Seminar I. 1 Unit.

Residents study the physiology and pathophysiology of pain. (Quarter 2.)

EN 457. Endodontic Clinic: Assisting. 1 Unit.

In this clinical course, residents assist during endodontic treatment by endodontic faculty in the graduate endodontic clinic. (Quarter 1.)

EN 458. Clinical Endodontics I. 23.5 Units.

Residents practice non-surgical endodontics appropriate in scope and case difficulty for the first year. (Quarters 2-4.)

EN 459. Clinical Endodontics: Surgery I. 3 Units.

Residents practice surgical endodontics appropriate in scope and case difficulty for the first year. (Quarters 2-4.)

EN 503. Endodontic Biology and Pathology II. 2 Units.

This course presents the biology and etiology of pulpal and periapical disease. (Quarter 5.)

EN 504. Advanced Endodontics Seminar Series II. 4 Units.

This interdisciplinary course series is designed to expose the endodontic residents to relevant topics in endodontics and its related fields. Seminars will be held either in person or over Zoom with expert faculty and/ or guest speakers. Seminars will include, but are not limited to, diagnosis, clinical endodontics, stem cells, biomaterials, vital pulp therapy, pain management, ethics, dental trauma, tooth development, embryology, craniofacial development, scientific writing, periodontal-endodontic relationships, orthodontic-endodontic relationships, managing medical emergencies, dental implants, radiology, and sedation.

EN 511. Case Seminar II. 12 Units.

Residents review their own cases prepared according to ABE board documentation rules. (Quarters 5-8.)

EN 512. Classic Literature II. 12 Units.

Residents review the body of classic literature pertinent to endodontics, including material relevant for board preparation. (Quarters 5-8.)

EN 513. Current Literature II. 4 Units.

In this course, residents review current endodontic literature using the EndoLit iPad app. (Quarters 5-8.)

EN 514. Research Seminar II. 1 Unit.

This course is composed of weekly presentations and discussions of the current research projects that residents (8), intern (1), and PhD students (1) have within the department. Each student will present once/quarter (10 presentations total) their research progress and receive feedback on how to better improve their work.

EN 524. Pain/Neuro Seminar II. 1 Unit.

Residents study the physiology and pathophysiology of pain. (Quarter 6.)

EN 558. Clinical Endodontics II. 30.5 Units.

Residents practice non-surgical endodontics appropriate in scope and case difficulty for the first year. (Quarters 5-8.)

EN 559. Clinical Endodontics: Surgery II. 4 Units.

Residents practice surgical endodontics appropriate in scope and case difficulty for the second year. (Quarters 5-8.)

EN 567. Endodontics at La Clinica II. 16 Units.

Residents practice non-surgical endodontics appropriate in scope and case difficulty for the second year at an affiliated extramural site. (Quarters 5-8.)

EN 571. Predoctoral Instruction. 4 Units.

Residents instruct predoctoral dental students in non-surgical endodontics. (Quarters 6-8.)

EN 611. Case Seminar III. 3 Units.

Residents review their own cases prepared according to ABE board documentation rules. (Quarter 9.).

EN 613. Current Literature III. 1 Unit.

In this course, residents review current endodontic literature using the EndoLit iPad app. (Quarter 9.).

EN 658. Clinical Endodontics III. 9 Units.

Residents practice non-surgical endodontics appropriate in scope and case difficulty for the third year. (Quarter 9.).

EN 659. Clinical Endodontics: Surgery III. 1 Unit.

Residents practice surgical endodontics appropriate in scope and case difficulty for the third year. (Quarter 9.).

EN 671. Residency Instruction. 2 Units.

Senior residents instruct first-year residents in endodontic technique. (Quarter 9.).

EN 684. ABE Seminar. 1 Unit.

Residents participate in mock board exams and assemble their portfolios. (Quarter 9.).