



USC Centers for  
**ORAL HEALTH**



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**ORAL HEALTH**

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A heritage that spans a century,  
setting the standard throughout the world.





# "The pinnacle of excellen

...is the sum of doctors who are engaged in what is thought, taught and practiced across the vast spectrum of oral health care. Our doctors are dedicated to education, research, service to their profession and to their community and, above all, to superlative patient care."

— Harold C. Slavkin, D.D.S.  
Dean, USC School of Dentistry  
G. Donald and Marian James Montgomery  
Professor of Dentistry



For over 100 years, the faculty members of the USC School of Dentistry have been at the forefront of the dental profession. With over 550 faculty, over 800 predoctoral dental, dental hygiene and graduate students and residents in dental specialties, more than 250 full-time technicians and staff and more than 8,000 successful and active oral health professional alumni, our academic prominence and expertise are unsurpassed.

As the first university to transition from traditional to problem-based learning, the USC School of Dentistry emphasizes small group-oriented, inquiry-based strategies of learning, with students addressing developmentally appropriate patient problems. Through a variety of community outreach programs and facilities, student dentists, dental hygienists and residents practice under the supervision of experienced faculty. In this way, we are increasing efforts to improve the community's oral health while infusing leadership skills and tools into health education.

The research at the USC School of Dentistry is far-reaching and comprises basic, translational, educational and clinical studies in a variety of areas. Our doctors repeatedly demonstrate significant impact in the international scientific literature, and their discoveries translate into enhanced oral health care through health promotion, risk assessments, prevention of diseases and disorders, diagnostics, treatment planning, treatments and therapeutics, and successful outcomes.



## A Worldwide Legacy of Clinical Excellence





At the USC Centers for Oral Health, our integrated, multidisciplinary campus spans the entire oral health care continuum. From disease prevention and general dentistry to the most complex craniofacial treatments, from prenatal and pediatric to geriatric and hospice care, we provide an all-encompassing, comprehensive approach to oral health management.

The Centers are a part of the world-renowned USC School of Dentistry (USCSD), a century-old institution dedicated to quality professional education combined with equally respected research and clinical care programs. Fundamental to the mission of USCSD is improving the oral health of all people of all ages and all cultures. As part of a major, research-intensive university, the Centers are uniquely qualified to provide the highest level of conventional care, clinics and treatments for extremely rare conditions, and expert care for those patients with special needs, outside the mainstream.

The USC Centers for Oral Health are directed by faculty members considered to be among the finest oral health professionals in the country in an academic as well as a clinical setting. They lend their considerable proficiencies in various specialties to our "centers of excellence," which include:

- The Center for Primary Oral Health Care
- The Center for Oral Diagnostic Sciences
- The Center for Oral Microbiological Testing
- The Center for Oral Surgical Sciences
- The Center for Craniofacial Sciences & Therapeutics
- The Center for Orofacial Pain & Oral Medicine
- The Center for Community Oral Health
- The Center for Bioimaging
- The USC Oral Health Center

The integration of these major centers is designed to overcome traditional communication barriers and create genuine, interdisciplinary "teams." This philosophy promotes an integrated methodology in education, research and patient care that augments opportunities for enhanced worldwide oral health and assures first-rate individual care.

## Center for Primary Oral Health Care

At the Center for Primary Oral Health Care, preventive and general dentistry procedures are provided at reduced cost by student dentists, dental hygienists and specialty residents under the supervision of experienced faculty. Services include: dental hygiene (preventive care);

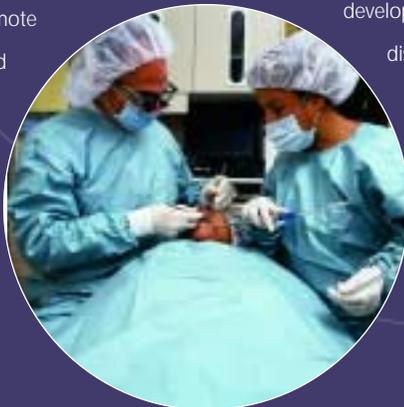
endodontics (root canal treatment); periodontics (treatment of gum diseases); prosthodontics (implants, full mouth rehabilitations); oral surgery (tooth removal); orthodontics (tooth straightening); care for patients with special needs; geriatric dentistry (for the elderly); and pedodontics (children's dentistry). Research at the center pertains to practice management, outcomes research, health services research, health care delivery models and oral health care economics.

## Center for Oral Diagnostic Sciences

As a primary portal of entry, the mouth affords abundant opportunity for diagnosing local and systemic diseases and disorders, and evaluating the efficacy of treatments.

At the Center for Oral Diagnostic Sciences, faculty doctors provide diagnostic tests and appropriate care for orofacial pain, headaches, bad breath, dry mouth, oral cancer, and other mucosal and chemosensory-related conditions.

Researchers at this center collaborate with clinicians and researchers in dermatology, rheumatology, psychology, pediatrics and physical, internal and geriatric medicine to promote innovations, discovery and improved health.



## Center for Oral Microbiological Testing

In recent years, the dental profession has witnessed promising developments in antimicrobial periodontal therapies that are safe, effective and acceptable to

patients in terms of ease of application, supporting oral hygiene efforts and financial costs. The Center for Oral Microbiological Testing aids the clinician in selecting the most effective antimicrobial agent, or combination of agents, based on laboratory testing of samples obtained from a patient's mouth. Center staff also assist in monitoring the effectiveness of periodontal treatment through subsequent analysis. Research at this center focuses on developing increasingly non-disruptive treatments to effectively control, and possibly cure, most types of periodontal disease.

## Center for Oral Surgical Sciences

A number of oral, dental and craniofacial diseases and disorders require surgical as well as therapeutic science and technology. The Center for Oral Surgical Sciences focuses on cross-disciplinary approaches to reducing the burden of disease and enhancing the quality of the patient's life. Researchers at this center work with other health professionals to develop innovative biological solutions to diseases and disorders; to advance cell and tissue engineering; to develop new surgical procedures, pharmaceuticals and biomaterials; and to employ improved bioimaging to enhance surgical and other treatment techniques.

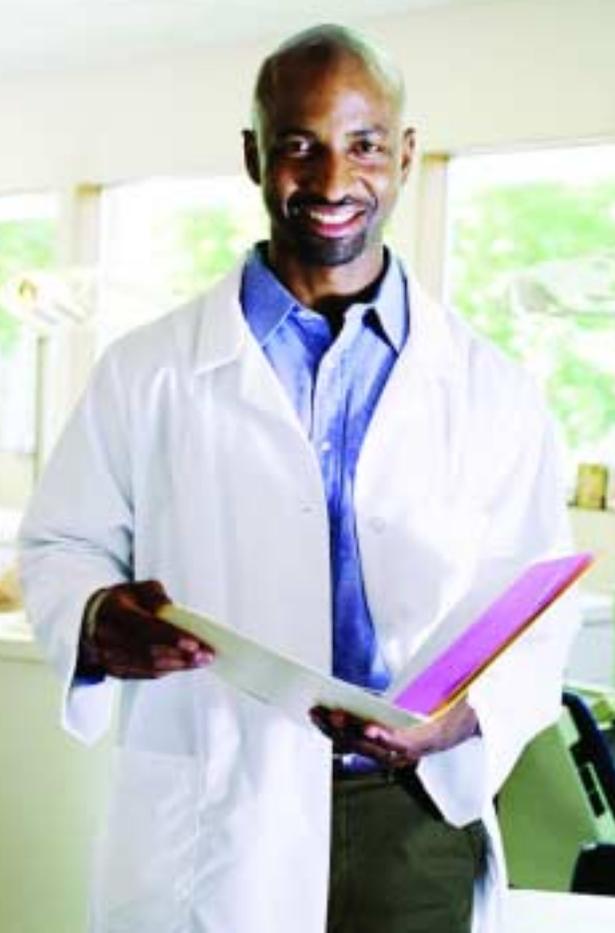


## Center for Craniofacial Sciences & Therapeutics

The complexities of the craniofacial region require interdisciplinary approaches to health, well-being and disease. The Center for Craniofacial Sciences & Therapeutics stresses a comprehensive, team approach to the diagnosis and treatment of craniofacial problems, including periodontal, orthodontic, implant, orthognathic and restorative maxillofacial care. Research at this center is enhanced through partnerships with geneticists, physicians, nurses, social and behavioral scientists, speech and physical therapists, and other related specialists.



# A multidisciplinary



### Center for Orofacial Pain & Oral Medicine

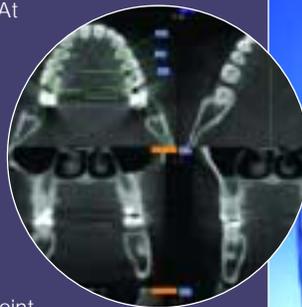
The etiology of orofacial pain can be traced to a number of both soft and hard oral tissue diseases. Practitioners at the Center for Orofacial Pain & Oral Medicine provide comprehensive treatment programs for patients with such disorders as cancer, ulcers, infections or abnormal growths, temporomandibular (TMJ) disorders, headaches, jaw function problems and sleep-disordered breathing problems. Additionally, our practitioners provide therapy for burning and dryness of the mouth, myofacial and neurogenic pain, bruxism, and orofacial spontaneous movement disorders. Research at this center involves various levels of biological organization, from the molecular and subcellular to the organismic.

### Center for Community Oral Health

Opportunities abound to reduce oral health disparities in America, whether occurring in inner city, suburban or rural environments. The Center for Community Oral Health stresses an interdisciplinary team approach to increasing access to oral health care while providing behavioral, educational and nutritional interventions, and linking patients to needed social services. Research areas include community- and population-based epidemiology, interventions and outcomes.

### Center for Bioimaging

Conventional craniofacial X-rays do not always provide sufficient information for a complete diagnosis and treatment plan. At the heart of The Redmond Imaging Center is a three-dimensional, volumetric imaging technology that produces CT-like images of a patient's jaws, allowing the clinician to more precisely pinpoint the problem. Such definitive diagnoses lead to highly accurate treatment plans for implant placement, orthodontics, complex craniofacial problems and temporomandibular joint (TMJ) disorders. The center's research is focused on developing a virtual craniofacial patient that will further increase the accuracy of craniofacial visualization, imulate treatment alternatives and employ virtual reality to develop new treatment approaches.



### USC Oral Health Center

Completed in February 2003, this ultra-modern facility is the primary home of the USC School of Dentistry Faculty Practice. The center provides high quality, affordable dental services, from primary dental care to treatment of complex craniofacial problems, for the students and faculty of USC as well as members of the surrounding community. The center also houses the Advanced Education in General Dentistry Program (AEGD), where dental graduates provide general dentistry services and treat patients with special needs. The AEGD program accepts Denti-Cal and Healthy Families, and fees are generally lower than those of the faculty practice.

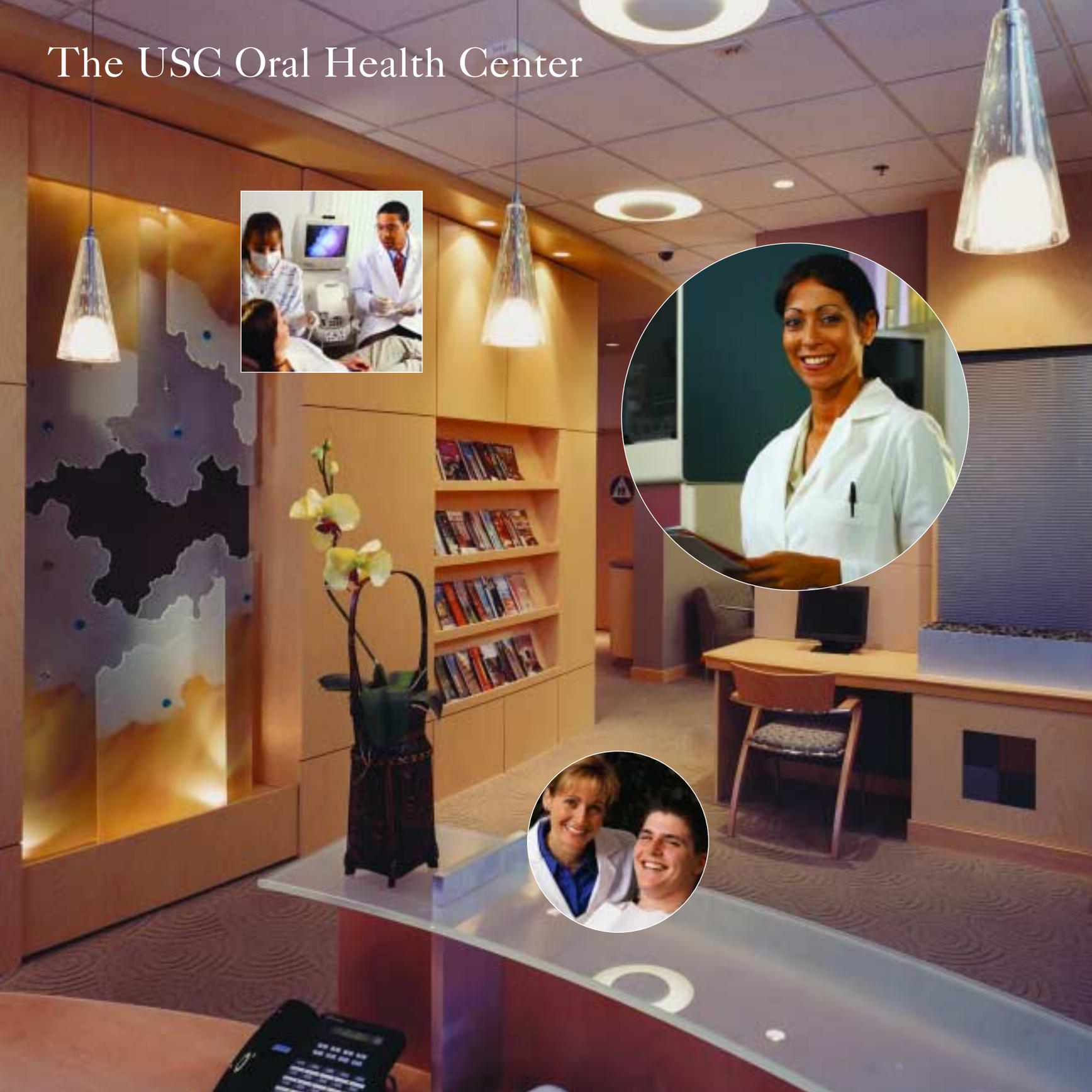


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approach to research, knowledge and patient care



# The USC Oral Health Center





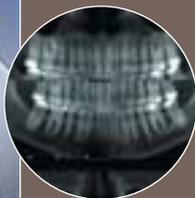


## USC ORAL HEALTH center

The USC Oral Health Center is the primary home of the USC School of Dentistry Faculty Practice. Completed in February 2003, this ultra-modern facility provides a private practice setting for students, faculty and members of the surrounding communities to receive high quality, affordable dental services from expert practitioners.

Services include disease prevention and general dentistry, dental hygiene, root canal treatment, treatment of gum diseases, implants and full mouth rehabilitations, oral surgery, orthodontics, geriatric and children's dentistry, oral medicine, orofacial pain and temporomandibular joint (TMJ) treatment, and esthetic dentistry. Special consultations and second opinions are readily available.

The USC Oral Health Center is also home to the Advanced Education in General Dentistry Program (AEGD), where dental graduates provide comprehensive oral health care and treat special needs patients, such as medically compromised, physically or developmentally disabled persons. The AEGD program accepts Denti-Cal and Healthy Families, and fees are generally lower than those of the faculty practice.



*The USC Oral Health Center is located in the University Village at 3151 South Hoover Street, across Jefferson Boulevard from the USC School of Dentistry and the University Park Campus. The Oral Health Center is open Monday through Saturday with early morning and evening appointments available.*

*To schedule an appointment, please call (213) 740-2012.*

# Supporting the USC Oral Health Center

The USC Oral Health Center represents the highest level of advancement across the field of dentistry. As such, we must continue to keep up with the rapid advancements in our profession. As part of a private university, we rely enormously on contributions to maintain our worldwide legacy of clinical excellence.

Your support of the USC Oral Health Center is greatly appreciated. There are a variety of ways in which you can invest in and support the center, listed below. Payment schedules can be established over a period of months or years. Gifts will be acknowledged with appropriate plaques.

"Your Name" /USC Oral Health Center	\$2,000,000
Laboratory for Dental Technology	\$250,000
Main Laboratory	\$150,000
Porcelain Laboratory	\$75,000
Wet Laboratory	\$75,000
Foyer	\$150,000
Reception Rooms (2)	\$100,000/each
Conference Room	\$100,000
Central Sterilization Room	\$50,000
Director's Office	\$50,000
Operatories (24)	\$50,000/each
Treatment Rooms (2)	\$50,000/each
Administrative Office	\$25,000
Faculty Office	\$25,000
Radiology Room	\$25,000
Imaging Room	\$25,000
Adjustment Laboratories (2)	\$25,000/each
Consultation Rooms (2)	\$25,000/each
Patient Education Rooms (2)	\$25,000/each

For more information on giving to the USC Oral Health Center, please call the USC School of Dentistry Development Office at (213) 740-0428.



# Community Outreach

A young girl with dark hair and a toothache is being examined by a dentist. The girl is smiling slightly, showing her teeth. The dentist is wearing a white coat and a blue tie. The background is a dental office with various tools and equipment.

According to the Los Angeles Unified School District, some 50,000 children a year report to nurses complaining of tooth pain, and it is also one of the most common excuses for absenteeism. In addition, the majority of children examined through the USC Centers for Oral Health community outreach programs had never before seen a dentist, and many were found to have advanced tooth decay.

Due to the overwhelming needs of the local community, the USC Centers for Oral Health has expanded their community outreach programs to meet the dental needs of thousands of Southern Californians each year, primarily those in elementary school. We also have special clinics that provide access to dental care for the developmentally disabled, physically impaired, medically compromised, and frail elderly whose special needs are often difficult to accommodate in a traditional dental practice.



### MOBILE CLINIC

The Mobile Clinic is staffed by USC students and faculty. The program, which visits fourteen sites each year and provides comprehensive care, is an important resource in addressing the oral health needs of children from urban and rural low-income families in California, as well as a valuable educational resource for dental and dental hygiene students.

### NEIGHBORHOOD MOBILE CLINIC

The Neighborhood Mobile Clinic provides oral examinations and health education for all second-graders in schools surrounding USC's University Park and Health Sciences campuses. With this van, the school has also been able to expand the services provided by the Sealant Project by allowing the USC School of Dentistry to take these preventive services to schools that do not have the necessary storage facilities for the portable equipment used in the Sealant Project.

### QUEENSCARE/ USC DENTAL MOBILE CLINIC

This collaboration between The USC Centers for Oral Health, QueensCare, the Everychild Foundation and the Los Angeles Unified School District (LAUSD) brings free comprehensive dental care to school-children. USC dental faculty, staff and student volunteers provide care on-site in a trailer purchased and equipped by the Everychild Foundation. QueensCare funds the operation, and LAUSD provides space and handles arrangements for getting children in for care.

### SEALANT PROJECT

The Sealant Project provides preventive dental care to second and seventh grade school children in Southern California. Services are provided by faculty-student teams and include oral examination, dental cleaning, dental sealants, fluoride treatment and referral for treatment of existing dental diseases. Care occurs at the school site with portable equipment brought there by the USC School of Dentistry.

### USC/URM DENTAL CLINIC

The USC/URM Dental Clinic is a partnership between The USC Centers for Oral Health and the Union Rescue Mission, a nonprofit organization whose mission is to serve the poor and homeless residents of inner-city Los Angeles. The clinic, which opened in May 2000, is the first comprehensive care dental clinic on Skid Row and the first clinic to care for the oral health needs of homeless children in the area. Services also include distribution of toothbrushes, dentifrice, floss and educational materials to Skid Row organizations that serve the homeless.



### DOCTORS OUT TO CARE

This program integrates the School of Dentistry with local schools to enhance oral health understanding and to generate awareness of dentistry as a profession. Students visit elementary school classrooms throughout the duration of their USC School of Dentistry education and engage in assessment activities that measure the program's impact.



### HOLLENBECK HOME

Hollenbeck Home is a nonprofit retirement community located in the Boyle Heights area near downtown Los Angeles. The USC School of Dentistry established the first on-site dental service for Hollenbeck residents in April 2000. A dental chair, portable dental unit and X-ray equipment within the skilled nursing facility allows on-site access to emergency care for residents and educational opportunities for USC dental and dental hygiene students.

### HEALTH FAIRS

The School of Dentistry participates in a variety of health fairs in the Los Angeles metropolitan area. Volunteers promote oral health with free oral screenings, preventive care instruction and educational materials at these fairs sponsored primarily by USC, schools, local government and social service agencies, faith-based and other organizations.



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# USC Oral Health Center Professional Staff

## GENERAL DENTISTS

Provide routine preventive, restorative and cosmetic procedures

### Jonar Bonifacio, D.D.S.

*Assistant Professor, Clinical Dentistry*

Doctor of Dental Surgery, USC School of Dentistry, 2000

### Marian Said Bradford, D.D.S.

*Assistant Professor, Clinical Dentistry*

Doctor of Dental Surgery, USC School of Dentistry, 2001

### Yang Chai, D.D.S., Ph.D.

*Associate Professor*

Doctor of Dental Medicine, Peking University, Stomatology, 1984

Doctor of Dental Surgery, USC School of Dentistry, 1996

Doctor of Philosophy, USC 1991-Craniofacial Biology and Head and Neck Anatomy

Specialty training in Oral and Maxillofacial Surgery, Peking University, 1984-86

### Sharon Faust, D.D.S.

*Assistant Professor, Clinical Dentistry*

Doctor of Dental Surgery, UCLA School of Dentistry, 1978

### Gary Harmatz, D.D.S.

*Clinical Assistant Professor*

Doctor of Dental Surgery, USC School of Dentistry, 1969

### James Holt, D.D.S.

*Associate Professor, Clinical Dentistry*

Doctor of Dental Surgery, USC School of Dentistry, 1960

### Duc Pham, D.D.S.

*Assistant Professor, Clinical Dentistry*

Doctor of Dental Surgery, USC School of Dentistry, 2001

### Donald Phillips, D.D.S.

*Clinical Professor*

Doctor of Dental Surgery, USC School of Dentistry, 1967

### Peter Stone, D.D.S.

*Associate Professor, Clinical Dentistry*

Doctor of Dental Surgery, New York University, 1958

### Kunwar Vir, D.M.D.

*Clinical Assistant Professor*

Doctor of Dental Medicine, Boston University School of Dental Medicine, 1997

### Shirley Wong, D.D.S.

*Assistant Professor, Clinical Dentistry*

Doctor of Dental Surgery, USC School of Dentistry, 2001

## ENDODONTISTS

Specialists who treat diseases and disorders affecting the pulp and roots of the teeth

### Anastasios Angelidis, D.D.S.

*Clinical Assistant Professor*

Doctor of Dental Surgery, Aristotle University, Thessaloniki, Greece, 1992

Specialty training in Endodontics, USC School of Dentistry, 1998

### Nestor Cohenca, D.D.S.

*Assistant Professor, Clinical Dentistry*

Doctor of Dental Surgery, Asuncion National University, Paraguay

Specialty training in Endodontics, Faculty of Medicine, Jerusalem, 1994

### Vanthi T. Pham, D.D.S.

*Clinical Assistant Professor*

Doctor of Dental Surgery, USC School of Dentistry, 1998

Advanced Education in General Dentistry, UCLA, 2000

Specialty training in Endodontics, USC School of Dentistry, 2002

## PROSTHODONTISTS

Specialists who provide treatment of complex restorative problems, including full-mouth reconstruction

### Richard Furuichi, D.D.S.

*Clinical Associate Professor*

Doctor of Dental Surgery, USC School of Dentistry, 1995

Specialty training in Prosthodontics, USC School of Dentistry, 1998

### Tae Hyung Kim, D.D.S.

*Assistant Professor, Clinical Dentistry*

Doctor of Dental Surgery, Seoul National University, Korea, 1997

Specialty training in Prosthodontics, USC School of Dentistry, 2001

### Gregory Kuwabara, D.D.S.

*Clinical Associate Professor*

Doctor of Dental Surgery, USC School of Dentistry, 1986

Specialty training in Prosthodontics, USC School of Dentistry, 1989

### Timothy Saunders, D.D.S.

*Professor, Clinical Dentistry*

Doctor of Dental Surgery, Creighton University School of Dentistry, 1972

Specialty training in Prosthodontic/Maxillofacial Prosthetics, Mayo Graduate School of Medicine, 1977

Diplomate, American Board of Prosthodontics

## PERIODONTISTS

Specialists who treat diseases and disorders of the gums

### Michael Jorgensen, D.D.S.

*Associate Professor, Clinical Dentistry*

Doctor of Dental Surgery, University of Illinois College of Dentistry, 1972

Specialty training in Periodontology, Naval Dental School, 1985

Diplomate, American Board of Periodontics

### Hessam Nowzari, D.D.S.

Doctor of Dental Surgery, Faculté de Médecine et de Pharmacie, Université Libre de Bruxelles, Belgium, 1988

Doctor of Philosophy in Biology and Health Sciences, 1998

Specialty training in Periodontology, USC School of Dentistry, 1990

Diplomate, American Board of Periodontics

### Fernando Verdugo, D.D.S.

*Assistant Professor, Clinical Dentistry*

Doctor of Dental Science, University of the Basque Country, Spain, 1993

Specialty training in Periodontology, USC School of Dentistry, 2002

## OROFACIAL PAIN AND ORAL MEDICINE

Specialists who treat oral pathology, oral soft tissue and systemic disease, orofacial pain and TMJ disorders

### Jack S. Broussard Jr., D.D.S.

*Director, USC Oral Health Center*

*Assistant Professor, Clinical Dentistry*

Doctor of Dental Surgery, UCLA, 1976

Diplomate, American Board of Orofacial Pain

### Glenn Clark, D.D.S.

*Professor, Diagnostic Sciences*

*Director, USC Oral Medicine and Orofacial Pain Graduate Residency Program*

Doctor of Dental Surgery, UCLA, 1974

AGED, Certificate, Eastman Dental Center, 1976

Masters of Science in Dental Research, University of Rochester, 1976

Diplomate, American Board of Orofacial Pain

### Mahvash Navazesh, D.M.D.

*Associate Professor*

*Director, USC Office of Medical Affairs Education*

Doctor of Dental Medicine, Pahlavi University, 1977

Certificate in Oral Medicine, Clinical Research, University of Pennsylvania, 1983

Diplomate, American Board of Oral Medicine

### Charles Shuler, D.M.D.

*George and Mary Lou Boone Professor of Craniofacial Molecular Biology*

*Director, The Graduate Program in Craniofacial Molecular Biology*

*Director, Center for Craniofacial Molecular Biology*

Doctor of Dental Medicine, Harvard School of Dental Medicine, 1979

Doctor of Philosophy in Pathology, University of Chicago, 1984

Specialty training in Oral Pathology, University of Chicago and the Royal Dental College of Copenhagen Denmark

Diplomate, American Board of Pathology

## ORTHODONTISTS

Specialists who treat craniofacial growth disorders and provide orthodontic care

### Robert Keim, D.D.S., Ed.D.

*Associate Professor*

*Associate Dean, Advanced Studies*

Doctor of Dental Surgery, Marquette University, 1981

Doctor of Education, University of Memphis

Specialty training in Orthodontics, Eastman Dental Center, 1990

Diplomate, American Board of Orthodontics

### James Mah, D.D.S.

*Assistant Professor*

Doctor of Dental Science, University of Alberta, 1988

Masters of Science, University of Alberta, 1992

Masters of Dental Science, Harvard, 1995

Specialty training in Orthodontics, University of Alberta, 1992

Board Eligible

### Lucille Rotstein, Bch.D.

*Clinical Assistant Professor*

Bachelor of Dentistry, University of Leeds, 1981

### Peter Sinclair B.D.S., M.S.D., D.D.S.

*Professor*

*Chair, Division of Craniofacial Sciences and Therapeutics*

B.D.S., London, England, 1978

Doctor of Dental Surgery, Baylor College of Dentistry, 1986

Masters of Science in Dentistry, University of Washington, 1981

Specialty training in Orthodontics, University of Washington, 1981

Diplomate, American Board of Orthodontics

### Charles Workowski, D.M.D.

Doctor of Dental Medicine, University of Pittsburgh, 1962

Masters of Public Health, Columbia University, 1967

Specialty training in Orthodontics, Columbia University, 1967

Diplomate, American Board of Orthodontics

## DENTAL HYGIENISTS

### Edward Cainglit, R.D.H.

*Clinical Instructor*

B.S., Dental Hygiene, USC School of Dentistry, 1999

### Genoveva Isabel Estrella, R.D.H.

*Clinical Instructor*

B.S., Dental Hygiene, USC School of Dentistry, 1999

### Eleanor Nielson, R.D.H.

*Clinical Instructor*

B.S., Dental Hygiene, USC School of Dentistry, 1997

### Riki Peacock, R.D.H.

*Clinical Instructor*

Dental Hygiene, Camosun College, Victoria, B.C., Canada, 1996

B.S., Developmental and Cellular Biology, University of British Columbia, Canada, 1994

### Christian Tu, R.D.H.

*Assistant Professor, Clinical Dentistry*

B.S., Dental Hygiene, USC School of Dentistry, 1996