

Community, Access, Reach, & Education in Pediatric Dentistry

INTERPROFESSIONAL EDUCATION



Pediatric Medicine Collaboration Interprofessional Education (IPE) Course Guide

Course Title: UCLA School of Medicine & UCLA School of Dentistry Interprofessional Partnership

Course Enrollment: Pediatric Medical Residents & Pediatric Dental Residents in an Interprofessional Educational Setting

Course Chair/Co-Chairs



Francisco Ramos-Gomez, DDS, MS, MPH

Francisco Ramos-Gomez, D.D.S., M.S., M.P.H. is a professor in the Division of Pediatric Dentistry and the Director for the Pediatric Dentistry Preceptorship Program at the UCLA School of Dentistry. Dr. Ramos-Gomez joined the school as a faculty member in 2008. Dr. Ramos-Gomez has been a pediatric dentist for more than twenty years with specific focus and research in the areas of early childhood caries (ECC) prevention, oral disease risk assessment, and community health with an emphasis on underserved populations.

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Cambria Garell, MD, School of Medicine Faculty

Cambria Garell, MD is Associate Program Director for the UCLA Pediatric Residency Program and directs the Primary Care and Public Health Track (PHABB - Public Health Ambulatory Basics and Beyond). She is Associate Medical Director for the UCLA Fit for a Healthy Weight program, a multidisciplinary pediatric obesity clinic which also provides telehealth services for underserved patients. She is a staff pediatrician at Venice Family Clinic and supervises residents in the pediatric continuity clinic at Simms-Mann.

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Course Description

This three-part course aligns with SPICE PD Goal A (Focus Area I) which is to establish an integrated oral and primary healthcare clinical training program for UCLA Community Health and Advocacy training in Pediatric Dentistry (CHAT-PD), Advanced Education General Dentistry (AEGD), pediatric medicine, and nursing programs.

Course Competency

Describe and apply basic oral health strategies and risk-based diagnosis and treatment to prevent dental disease.

Course Objectives

On successful completion of this course, residents will be able to:

- Understand and be able to identify basic normal and abnormal pediatric oral and dental anatomy/health
- Understand oral-systemic link and health problems associated with poor oral health
- Understand the oral health and pregnancy connection
- Demonstrate the inclusion of the oral cavity in the HEENT (head, ears, eyes, nose, and throat) component of the review of systems and demonstrate inclusion of the oral cavity exam in the HEENOT (head, ears, eyes, nose, oral cavity, and throat) component of the physical exam
- Articulate and perform a six-step caries risk assessment including applying fluoride varnish
- Describe the role of interprofessional collaborations in improving oral health for children

Part A - Prerequisites

The residents are required to review a list of required course material prior to the start of the course.

1. Complete the online course <http://www.smilesforlifeoralhealth.org/> Complete online Courses 2, 4 & 6
Note: you will need to create an online profile, this should take ~1 hour.
2. Read the paper “Into the Future: Keeping Health Teeth Caries Free: Pediatric CAMBRA Protocols” available at: https://www.uclaiocp.org/uploads/1/5/7/0/15703160/into_the_future_-_keeping_healthy_teeth_caries_free.pdf.
3. Watch the short IOCP six-step videos at: <http://www.uclaiocp.org/six-step-protocol.html>.
4. View Colgate Webinar on : “The Art of Perinatal and Infant Oral Health” By Dr. Ramos-Gomez <http://www.colgateoralhealthnetwork.com/webinar/the-art-of-perinatal-and-infant-oral-health/> Note: you will need to create an online profile, this should take ~1 hour.

Additional Resources, Readings & IOCP Clinic Documents: <https://www.uclaiocp.org/required-readings.html>.

For more specific evidence-based information and guidelines, please see:

“Oral Health During Pregnancy and Early Childhood: Evidence-Based Guidelines for Health Professionals,” http://www.cdafoundation.org/Portals/0/pdfs/poh_guidelines.pdf.

Part B – Didactics

Through a combination of classroom lecture and discussion, this course introduces residents to evidence related to oral-systemic health and knowledge of the nature, prevalence, and consequences oral manifestations of chronic diseases across the lifespan. Skills to obtain an appropriate health history, including baseline oral health, risk factors, chronic disease implications and acute/episodic problems will be presented. Residents will learn their role in preventing oral disease, addressing frequently encountered oral problems, and promoting oral health among their patients.

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Part C – Hands-on Clinical Training and Experience

Through a hands-on clinical training, residents will learn to assess a patient's oral health, be able to identify basic healthy vs. abnormal oral conditions, apply the concepts of caries risk assessment and perform the clinical portions of a caries management by risk assessment (CAMBRA- 6 step protocol). Part C of this course will be accomplished in close collaboration between the residents and the pediatric dental residents for interprofessional collaboration and peer learning. Residents will gain the confidence in performing a six step caries risk assessment and an oral exam on infants and toddlers.

Evaluation Criteria/Methods

Residents will be evaluated based on attendance and active participation in discussions, lectures and treatment/case study session. Annual post course online survey will be collected Newly acquired clinical skills will be tested via peer to peer and faculty observational assessments and resident self-assessments for confidence.

Remediation Policies

A customized remediation program will be designed to address areas of deficiency.

Instructional Method(s) used in this course (Check all that apply)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Lecture | <input checked="" type="checkbox"/> Clinical Rotations |
| <input type="checkbox"/> Seminar | <input type="checkbox"/> Projects |
| <input type="checkbox"/> Literature Review | <input type="checkbox"/> Grand Rounds |
| <input type="checkbox"/> Resident Presentation | Other: _____ |

GME Competencies addressed by this course (Check all that apply)

- | | |
|---|--|
| <input checked="" type="checkbox"/> Patient Care | <input type="checkbox"/> Professionalism |
| <input checked="" type="checkbox"/> Medical Knowledge | <input checked="" type="checkbox"/> Systems-based practice |
| <input checked="" type="checkbox"/> Practice-based learning and improvement | |

CODA Standards addressed by this course (Check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Biomedical sciences | <input type="checkbox"/> Management of a contemporary dental practice |
| <input checked="" type="checkbox"/> Behavior guidance | <input checked="" type="checkbox"/> Patients with special health care needs |
| <input type="checkbox"/> Growth and development | <input type="checkbox"/> Hospital dentistry |
| <input type="checkbox"/> Oral facial injury and emergency care | <input type="checkbox"/> Pulp therapy |
| <input checked="" type="checkbox"/> Oral diagnosis, oral pathology, & oral medicine | <input checked="" type="checkbox"/> Pediatric Medicine |
| <input checked="" type="checkbox"/> Prevention and health promotion | <input checked="" type="checkbox"/> Advocacy |
| <input type="checkbox"/> Comprehensive dental care | <input checked="" type="checkbox"/> Teaching |

Learning Resources & Readings:

All available online at UCLA MedHub prior to each class.

- Keeping Healthy Teeth Caries Free: Pediatric CAMBRA Protocols. Ramos-Gomez & Ng 2011. CDA Journal 39(10): 723-733.
- Six Step Protocol for a Successful Infant Oral Care Visit. Ramos-Gomez & Ng 2009. Committee on Adolescents, PDT.
- Selected case studies for review with IPE resident participants—Dental faculty and respective faculty to provide and residents can bring their own cases for group review

Course Schedule

Session 1 – Basics of Oral Health and Dental Anatomy (2 Hours)

Overarching Goal: Understand and be able to identify basic normal and abnormal pediatric oral and dental anatomy/health.

Desired Learning Outcomes	Instructor	Methods
<ul style="list-style-type: none">• Understand and name the basic oral anatomy and characteristics of the pediatric dentition and soft tissues• Identify differences between• normal and abnormal findings• Discuss common dental development issues in children and adolescents• Offer appropriate anticipatory guidance regarding oral developmental issues	Dr. Cambria Garell	Lectures, Reading Assignments, & Responses

Session 2 – Oral-systemic link (1 hour)

Overarching Goal: Understand oral-systemic link and health problems.

Desired Learning Outcomes	Instructor	Methods
<ul style="list-style-type: none">• Understand the prevalence and sequelae of oral disease• Understand the interrelationship between oral and systemic disease• Develop a patient centered management plan that includes oral health interventions related to overall health• Make appropriate interprofessional referrals• Discuss the role of the pediatrician in promoting oral health including lifestyle counseling	Dr. Cambria Garell	Lectures, Reading Assignments, & Responses

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Session 3 – Prenatal Oral Health (1 hour)

Overarching Goal: Understand oral health and pregnancy connection.

Desired Learning Outcomes	Instructor	Methods
<ul style="list-style-type: none">• Understand the oral health link to pregnancy• Understand the evidence for periodontitis affecting pregnancy outcomes• Counsel about oral health conditions in pregnancy• Understand the evidence for caries risk transmission from mother to child	Online reading & webinars Dr. Francisco Ramos-Gomez	Lectures, Reading Assignments, & Responses

Session 4 – HEENT to HEENOT (2 hours)

Overarching Goal: Demonstrate the inclusion of the oral cavity in the **HEENT** (head, ears, eyes, nose, throat) components of the comprehensive history and physical examination to the **HEENOT** (head, ears, eyes, nose, oral cavity, throat). Understand and perform appropriate oral exams of children.

Desired Learning Outcomes	Instructor	Methods
<ul style="list-style-type: none">• Understand the prevalence, etiology, and consequences of dental caries, in particular Early Childhood Caries (ECC)• Understand the role of culture and oral health• Review use of proper positioning and equipment to perform oral exams on children• Develop awareness of particular challenges involved in the examination of special needs patients• Consistently perform thorough and non-threatening oral exams of infants and children	Dr. Cambria Garell	Lectures, Reading Assignments, & Responses, Annual Course Online Survey

Session 5 (2 hours)

Overarching Goal: Perform appropriate oral exams.

Desired Learning Outcomes	Instructor	Methods
<ul style="list-style-type: none">• Recognize the various stages of ECC on oral examination• Describe and implement prevention of ECC through the use of fluoride, proper hygiene, diet, and appropriate dental referrals• Describe and practice a fluoride application	Dr. Francisco Ramos-Gomez Pediatric dental residents/ACTs	Peer to peer observational assessment

Session 6 (1 hour)

Overarching Goal: Perform appropriate oral exams.

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Desired Learning Outcomes	Instructor	Methods
<ul style="list-style-type: none"> • Complete a variety of case-based clinical history and physical examination simulation gaining confidence in placing hands in mouth of patients and linking overall health to oral health (oral-systemic risk assessment profile) • Make appropriate interprofessional referrals 	Dr. Francisco Ramos-Gomez Pediatric dental residents/ACTs	Peer to peer observational assessment

Session 7 (1 hour)

Overarching Goal: Articulate and perform a six-step caries risk assessment.

Desired Learning Outcomes	Instructor	Methods
<ul style="list-style-type: none"> • Assess a child's risk for developing ECC • Perform caries risk assessment, proper oral exam and FL varnish on patients: <ol style="list-style-type: none"> 1. Caries risk assessment 2. Knee-to-knee positioning 3. Toothbrush prophylaxis 4. Clinical oral screening of the patient 5. Fluoride varnish application 6. Self-management goals 	Dr. Francisco Ramos-Gomez Pediatric dental residents/ACTs	Peer to peer observational assessment

Session 8 – Reflection Session (1 hour)

Overarching Goal: Reflect on oral health education experience.

Desired Learning Outcomes	Instructor	Methods
<ul style="list-style-type: none">• Discuss and evaluate didactic lessons on oral health and practical experience	Dr. Cambria Garell	Group Team Discussion

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