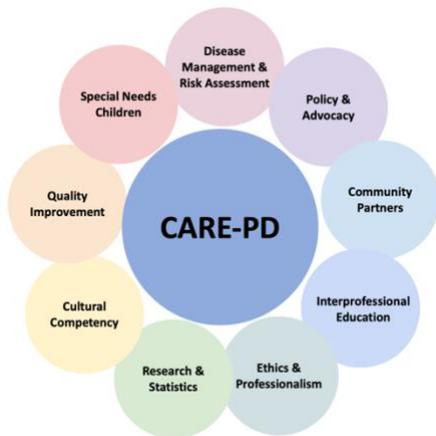


# Community, Access, Reach, & Education in Pediatric Dentistry

## INTERPROFESSIONAL EDUCATION



### Pediatric & Family Nurse Practitioner Collaboration Interprofessional Education (IPE) Course Guide

**Course Title:** UCLA School of Nursing & UCLA School of Dentistry  
Interprofessional Partnership

**Course Enrollment:** Pediatric & Family Nurse Practitioners &  
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.

Email: [frg@dentistry.ucla.edu](mailto:frg@dentistry.ucla.edu)



#### Nancy Pike, PhD, FNP-BC, CPNP-AC/PC, FAHA, FAAN

Dr. Pike is a Professor at UCLA School of Nursing and is certified as both a Family (FNP) and Pediatric Nurse Practitioner (PNP) in Cardiothoracic Surgery at Children's Hospital Los Angeles. She has a 27-year career as a nurse practitioner in both pediatric and adult cardiothoracic surgery. She is an award-winning researcher, teacher, and clinician. She is a fellow in AHA and the American Academy of Nursing. Her biobehavioral program of research has received several NIH/NINR funded grants to study structural brain injury, cerebral blood flow and its correlations to cognitive and psychosocial outcomes in adolescents and young adults with single ventricle heart disease. Dr. Pike is the lead faculty for the PNP program at UCLA School of Nursing. Dr. Pike is dedicated to training future nurse practitioners / nurse scientists and improving health outcomes for children and families impacted by congenital heart disease.

Email: [npike@sonnet.ucla.edu](mailto:npike@sonnet.ucla.edu)

Rev: 10/2022

This project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number (DHHS-HRSA 1D88HP39034-01-00)



### **Laurie Love, MSN, RN, FNP**

Dr. Love is a board-certified Family Nurse Practitioner (FNP) and has a 20-year career as an FNP. She has been a lecturer and clinical faculty at the UCLA School of Nursing since 2007. She is a principal contributor to the Advanced Practice Clinical Practicum Series and is the lead coordinator for two clinical courses at the UCLA School of Nursing. Dr. Love has worked on a HRSA grant within the School of Nursing to prepare family nurse practitioner students to practice in medically underserved areas once they graduate. In 2013, she received the DAISY Faculty Award for her commitment and inspirational influence on her students. She has a post-master's in Clinical Nutrition and Integrative Health and is certified by the Institute for Functional Medicine as a Functional Medicine Practitioner. Dr. Love is committed to maintaining a high standard of expertise in the field of nursing, and she is dedicated to educating people on how nutrition, environmental and psychological stressors, and other lifestyle factors can change a person's body chemistry and genetic makeup and ultimately change how that person will express health or disease.

Email: [llove@sonnet.ucla.edu](mailto:llove@sonnet.ucla.edu)

### **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](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>.

Rev: 10/2022

This project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number (DHHS-HRSA 1D88HP39034-01-00)

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](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.

### **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)**

- |                       |                      |
|-----------------------|----------------------|
| ✓ Lecture             | ✓ Clinical Rotations |
| Seminar               | Projects             |
| Literature Review     | Grand Rounds         |
| Resident Presentation | Other: _____         |

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

- |   |                          |
|---|--------------------------|
| ✓ Patient Care                            | Professionalism          |
| ✓ Medical Knowledge                       | ✓ Systems-based practice |
| ✓ Practice-based learning and improvement |                          |

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

- |   |  |
|---|--|
| Biomedical sciences                               | Management of a contemporary dental practice |
| ✓ Behavior guidance                               | ✓ Patients with special health care needs    |
| Growth and development                            | Hospital dentistry                           |
| Oral facial injury and emergency care             | Pulp therapy                                 |
| ✓ Oral diagnosis, oral pathology, & oral medicine | ✓ Pediatric Medicine                         |
| ✓ Prevention and health promotion                 | ✓ Advocacy                                   |
| Comprehensive dental care                         | ✓ 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"><li>• Understand and name the basic oral anatomy and characteristics of the pediatric dentition and soft tissues</li><li>• Identify differences between</li><li>• normal and abnormal findings</li><li>• Discuss common dental development issues in children and adolescents</li><li>• Offer appropriate anticipatory guidance regarding oral developmental issues</li></ul>	Dr. Nancy Pike (pediatric nurse practitioners)  Dr. Laurie Love (family nurse practitioners)	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"><li>• <b>Understand the prevalence and sequelae of oral disease</b></li><li>• <b>Understand the interrelationship between oral and systemic disease</b></li><li>• <b>Develop a patient centered management plan that includes oral health interventions related to overall health</b></li><li>• <b>Make appropriate interprofessional referrals</b></li><li>• <b>Discuss the role of the pediatrician in promoting oral health including lifestyle counseling</b></li></ul>	Dr. Nancy Pike (pediatric nurse practitioners)  Dr. Laurie Love (family nurse practitioners)	<b>Lectures, Reading Assignments, &amp; Responses</b>

Rev: 10/2022

This project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number (DHHS-HRSA 1D88HP39034-01-00)

### 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"><li>• Understand the oral health link to pregnancy</li><li>• Understand the evidence for periodontitis affecting pregnancy outcomes</li><li>• Counsel about oral health conditions in pregnancy</li><li>• Understand the evidence for caries risk transmission from mother to child</li></ul>	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"><li>• Understand the prevalence, etiology, and consequences of dental caries, in particular Early Childhood Caries (ECC)</li><li>• Understand the role of culture and oral health</li><li>• Review use of proper positioning and equipment to perform oral exams on children</li><li>• Develop awareness of particular challenges involved in the examination of special needs patients</li><li>• Consistently perform thorough and non-threatening oral exams of infants and children</li></ul>	Dr. Nancy Pike (pediatric nurse practitioners) Dr. Laurie Love (family nurse practitioners)	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"><li>• Recognize the various stages of ECC on oral examination</li><li>• Describe and implement prevention of ECC through the use of fluoride, proper hygiene, diet, and appropriate dental referrals</li><li>• Describe and practice a fluoride application</li></ul>	Dr. Francisco Ramos-Gomez Pediatric dental residents/ACTs	Peer to peer observational assessment

Rev: 10/2022

This project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number (DHHS-HRSA 1D88HP39034-01-00)

**Session 6 (1 hour)****Overarching Goal:** Perform appropriate oral exams.

<b>Desired Learning Outcomes</b>	<b>Instructor</b>	<b>Methods</b>
<ul style="list-style-type: none"> <li>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)</li> <li>Make appropriate interprofessional referrals</li> </ul>	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.

<b>Desired Learning Outcomes</b>	<b>Instructor</b>	<b>Methods</b>
<ul style="list-style-type: none"> <li>Assess a child’s risk for developing ECC</li> <li>Perform caries risk assessment, proper oral exam and FL varnish on patients:               <ol style="list-style-type: none"> <li>Caries risk assessment</li> <li>Knee-to-knee positioning</li> <li>Toothbrush prophylaxis</li> <li>Clinical oral screening of the patient</li> <li>Fluoride varnish application</li> <li>Self-management goals</li> </ol> </li> </ul>	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.

<b>Desired Learning Outcomes</b>	<b>Instructor</b>	<b>Methods</b>
<ul style="list-style-type: none"> <li>Discuss and evaluate didactic lessons on oral health and practical experience</li> </ul>	Dr. Nancy Pike (pediatric nurse practitioners) Dr. Laurie Love (family nurse practitioners)	Group Team Discussion

Rev: 10/2022

This project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number (DHHS-HRSA 1D88HP39034-01-00)