

Course Syllabus
 UCLA School of Dentistry, Section of Pediatric Dentistry-
 UCLA AEGD/GPR Residency program partnership

Course Chair/Co-Chair:

Ramos-Gomez, DDS, MS, MPH

Course Enrollment:

UCLA Westwood AEGD Residents & Preceptors
 UCLA Venice AEGD Residents
 UCLA GPR Residents (WW, Sepulveda VA, and West LA VA)

Course Description:

This course aligns with SPICE PD Goal A 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 Competencies:

This course introduces the AEGD and GPR residents to the basics of children’s oral health with a focus on risk-based diagnosis and treatment planning.

Specific Course Objectives:

- Introduction to infant oral health, perform caries disease assessment and introduction to minimally invasive dentistry
- Understand the unique oral health needs of the pediatric patient including caries diagnosis for the pediatric dental patient
- Introduction to pulp therapy and trauma management in primary dentition
- Introduction to space management
- Understand and utilize behavior management concepts for treating children
- Introduction to infant oral health and perform caries disease assessment
- Articulate and perform a six-step caries risk assessment

PART A: Prerequisites

Residents are required to read and review a list of required course material prior to the start of the course.

- 1) Read and review the “Oral Health During Pregnancy and Early Childhood: Evidence-Based Guidelines for Health Professionals” (*optional*)
http://www.uclaiocp.org/uploads/1/5/7/0/15703160/oral_health_during_pregnancy_and_early_childhood_evidence-based_guidelines_for_health_professionals.pdf
- 2) Complete the online course <http://www.smilesforlifeoralhealth.org/> ; selected modules 2 (Child oral health) and 6 (caries risk assessment, fluoride varnish and counseling) only
- 3) Link to Important Readings & IOCP Clinic Documents:
<http://www.uclaiocp.org/related-articles.html>
- 4) 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/>

PART B: Didactics

This is the didactic portion of the course: through a combination of classroom lecture and discussion, this course introduces AEGD residents to pediatric dental concepts.

PART C: Hands-on clinical training and experience

Through a hands-on clinical training AEGD/GPR residents will 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 AEGD residents and the

pediatric dental residents for inter professional collaboration and resident to resident peer learning. AEGD residents will gain the confidence in performing a six step caries risk assessment and an oral exam on pediatric patients.

Instructional method(s) used in this course (check all that apply, to create a check in the electronic form, move the cursor next to the checkbox and press the space bar):

<input checked="" type="checkbox"/> Lecture	<input type="checkbox"/> Projects
<input type="checkbox"/> Seminar	<input type="checkbox"/> Grand rounds
<input type="checkbox"/> Literature review	<input checked="" type="checkbox"/> Problem based learning/case studies
<input type="checkbox"/> Resident presentation	<input checked="" type="checkbox"/> Clinical rotations
<input type="checkbox"/> Simulation lab	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Laboratory	
<input checked="" type="checkbox"/> Online reading	

GME Competencies addressed by this course (check all that apply)	CODA Standards addressed by this course (check all that apply)
<input checked="" type="checkbox"/> Patient Care <input type="checkbox"/> Medical Knowledge <input type="checkbox"/> Practice based learning and improvement <input checked="" type="checkbox"/> Interpersonal and communication skills <input checked="" type="checkbox"/> Professionalism <input type="checkbox"/> Systems-based practice	<input type="checkbox"/> Biomedical sciences <input checked="" type="checkbox"/> Behavior guidance <input type="checkbox"/> Growth and development <input type="checkbox"/> Oral facial injury and emergency care <input checked="" type="checkbox"/> Oral diagnosis, oral pathology, & oral medicine <input checked="" type="checkbox"/> Prevention and health promotion <input type="checkbox"/> Comprehensive dental care <input type="checkbox"/> Management of a contemporary dental practice <input type="checkbox"/> Patients with special health care needs <input type="checkbox"/> Hospital dentistry <input checked="" type="checkbox"/> Pulp therapy <input type="checkbox"/> Pediatric medicine <input type="checkbox"/> Advocacy <input type="checkbox"/> Teaching

Evaluation Criteria/Methods:

- Residents will be evaluated based on attendance and active participation in discussions, lectures and treatment/case study session.
- Pre and posttests will be used to assess knowledge gained
- Newly acquired clinical skills will be tested via peer to peer and faculty observational assessments and resident self-assessments for confidence
- Year-end SPICE oral health program participation online survey

COURSE SCHEDULE PART B

Overarching Goal	Session number , Length of Session & date	Desired Learning Outcomes By the end of this course, the resident will have acquired the following knowledge & skills:	Teaching methods	Instructor	Assessments
1.Introduction to infant oral health, perform caries disease assessment, and minimally invasive dentistry	02/06/20 2 Hours Winter 10-12 pm Room 23-029	- Understand how to utilize CAMBRA and Self-Management Goals. - List the 6 steps of the Infant Oral Health Care visit.	-lectures -online webinar - reading assignments	Dr. Francisco Ramos-Gomez	
2.Introduction to Caries diagnosis for the pediatric dental patient	02/13/20 2 Hours Winter 10-12 pm Room 23-029	-appropriately diagnose caries and pulpal pathology in the primary dentition (ICDAS) -List indicators for amalgam, composite, glass ionomer, sealants, and stainless steel crowns in the primary dentition	-lectures - reading assignments	Sean McGivern	-Quiz (TBA)
3. Introduction to space management	02/20/20 2 Hours Winter 10-12 pm Room 23-029	-identify space management concepts in the primary dentition -diagnose the need for space management and identify appropriate space maintainers for the various clinical scenarios	- lectures - reading assignments	Dr. Law	- Quiz (TBA)
4. Introduction to pulp therapy	02/27/20 2 Hours Winter 10-12 pm Room 23-029	-utilize appropriate pulp therapy techniques based on pulpal diagnosis -list the steps for indirect pulp therapy and pulpotomy for the primary dentition -list the steps for stainless steel crown preparation for the primary dentition -utilize crimping and contouring techniques for the primary molar stainless steel crowns	- lectures - reading assignments	Dr. Nini Tran	- Quiz (TBA)

5. Behavior management	03/05/20 2 Hours Winter 10-12 pm Room 23-029	- list and appropriately utilize behavior management techniques	-lectures -online webinar reading assignments	Dr. Law	
6. Reflection session – post course evaluation session	03/12/20 2 hours Winter 10 am-12 pm Room 23-029	-participate in pediatric case study discussions	-case studies	- Dr. Chin	

COURSE SCHEDULE PART C (Hands-on clinical experience) TBA

Overarching Goal	Session number Length of Session	Desired Learning Outcomes By the end of this course, the resident will have acquired the following skills:	Teaching methods	Instructor	Assessments
5. Articulate and perform a six step caries risk assessment (TBA)	1 2 hours, 3 week elective clinical rotation, Dates: TBA	- 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 	-hands-on supervised clinical training	Dr. FRG and Pediatric dental residents/ preceptors	- Peer to peer and faculty observational assessment - resident self-assessment

Learning Resources & Readings: (must be read prior to each session and all available at <https://www.uclachatpd.org/aegdgp.html>)

PART B:

Session 1: Dr. Ramos

- refer also to prerequisite readings in PART A (page 1 of this course syllabus)
- AAPD, last revised 2018. "Guideline on Fluoride Therapy". Available at: http://www.aapd.org/media/policies_guidelines/g_fluoridetherapy.pdf
- IHI A Guide to Measuring the Triple Aim: Population Health, Experience of Care, and Per Capita Cost: available at (create free account and then download) <http://www.ihi.org/resources/Pages/IHIWhitePapers/AGuidetoMeasuringTripleAim.aspx>
- "Into the Future: Keeping Healthy Teeth Caries Free": Pediatric CAMBRA Protocols. Ramos---Gomez & Ng 2011. CDA Journal 39(10): 723---733. Available at: <https://www.uclachatpd.org/aegdgp.html>

Session 2: Sean Mc Givern

- **IMPORTANT:** ICCMS website at: <https://www.iccms-web.com/login>
 - Go to Resources (upper right corner on navigation bar), click on **e-learning**
 - Create free online user account
 - Look for: Core Training "elearning programme" (pick the one for clinicians, practice)
 - Complete: Core Training Element 1, Core Training Element 2, and Core Training Elements 3 & 4 (total online training time about 100 mins)
- Guidelines on Pediatric Restorative Dentistry. Pediatric Dentistry Reference Manual, 2019 Pg. 232-243 available at: http://www.aapd.org/media/Policies_Guidelines/G_Restorative.pdf
- "Evidence-based clinical recommendations for the use of pit-and-fissure sealants." Beauchamp et al. 2008. JADA 139(2): 257-268. Available at: [https://jada.ada.org/article/S0002-8177\(14\)61434-3/abstract](https://jada.ada.org/article/S0002-8177(14)61434-3/abstract)

Session 3: Dr. Law

- Management of Premature Primary Tooth Loss in the Child Patient. Law 2013. CDA Journal 41(8): 612-617. Available at: https://www.cda.org/Portals/0/journal/journal_082013.pdf
- Pediatric Dentistry: Infancy through Adolescence. Chapter 26, "Space Maintenance in Primary Dentition", 6th edition, pages 379-385. Scanned chapter available at: <https://www.uclachatpd.org/aegdgp.html>

Session 4: Dr. Nini Tran

- Guidelines on Pulp Therapy for Primary and Immature Permanent Teeth. Pediatric Dentistry Reference Manual, 2014. Pg. 245-252. Available at: http://www.aapd.org/media/policies_guidelines/g_pulp.pdf
- Review of Pulp Therapy for Primary and Immature Permanent Teeth. Ritwik 2013. CDA 41(8):585-595. Available at: https://www.cda.org/Portals/0/journal/journal_082013.pdf

Session 5: Dr. Law

- "Guideline on Behavior Guidance for the Pediatric Dental Patient", AAPD, last revised 2015. Available online at: http://www.aapd.org/media/policies_guidelines/g_behavguide.pdf
- "The impact of Changing Parenting Styles on the Advancement of Pediatric Oral Health", Clarice Law, CDA Journal, vol. 35. No. 3, 2007. Available at: https://www.cda.org/Portals/0/journal/journal_032007.pdf
- Pediatric Dentistry: Infancy through Adolescence. Chapter 24, "Behavior guidance for the pediatric patient", 6th edition, pages 352-367 Scanned chapter available at: <https://www.uclachatpd.org/aegdgp.html>

Session 6:

- Faculty will provide case studies for group discussion

PART C:

- Six Step Protocol for a Successful Infant Oral Care Visit. Ramos---Gomez & Ng 2009. Committee on Adolescents, PDT Available at: https://www.uclaiocp.org/uploads/1/5/7/0/15703160/six_step_protocol_for_a_successful_infant_oral_care_visit.pdf

