

**PEDO 6046
PEDIATRIC DENTISTRY V**

SPRING 2017

CLASS DAYS and TIME: Mondays 8:00 a.m. – 12:00 p.m. & Fridays 1:00 p.m. – 5:00 p.m.

CLASSROOM: DTL 4.255R & COHCR 4067

COURSE FACULTY: Dr. Kevin Donly, Dr. Maria Jose Cervantes Mendez, Dr. Issa Sasa, Dr. Jeff Mabry, Dr. Claudia Contreras, Dr. Alexis Liu, Dr. Alexander Olea, Dr. Minerva Garcia, Dr. Elva Jordan

READ THIS DOCUMENT CAREFULLY - YOU ARE RESPONSIBLE FOR ITS CONTENTS.

COURSE DESCRIPTION AND OBJECTIVES

Pediatric Dentistry V consists of the following individual courses:

- Oral Pathology for Pediatric Dentistry
- Pediatric Dental Trauma
- Hospital Dentistry
- Practice Management/Ethics
- Case Presentations
- Literature Review
- Pediatric Grand Rounds
- Craniofacial Clinic Rotation
- Teaching Clinic Rotation

LEARNING OBJECTIVES:

Learning Objectives and other information for each individual course will be attached to this document.

Semester credit hours – 5 credit hours

ATTENDANCE: Required

REQUESTS FOR ACCOMODATIONS FOR DISABILITIES

In accordance with policy 4.2.3, **Request for Accommodation Under the ADA and the ADA Amendments Act of 2008 (ADAAA)**, any student requesting accommodation must submit the appropriate request for accommodation under the American with Disabilities Act (ADA, form 100). to his/her appropriate Associate Dean of their School and a copy to the ADA Coordinator. Additional information may be obtained at <http://uthscsa.edu/eeo/request.asp>.

ACADEMIC INTEGRITY AND PROFESSIONALISM

Any student who commits an act of academic dishonesty is subject to discipline as prescribed by the UT System Rules and Regulations of the Board of Regents. Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an exam for another person, signing attendance sheets for another student, and any act designed to give unfair advantage to a student or the attempt to commit such an act. Additional information may be obtained at <http://catalog.uthscsa.edu/generalinformation/generalacademicpolicies/academicdishonestypolicy/>

TITLE IX AT UTHSCSA

Title IX Defined:

Title of the Education Amendments of 1972 is a federal law that prohibits sex discrimination in education. It reads “no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.”

University of Texas Health Science Center San Antonio’s Commitment:

University of Texas Health Science Center San Antonio (UTHSCSA) is committed to maintaining a learning environment that is free from discriminatory conduct based on gender. As required by Title IX, UTHSCSA does not discriminate on the basis of sex in its education programs and activities, and it encourages any student, faculty, or staff member who thinks that he or she has been subjected to sex discrimination, sexual harassment (including sexual violence) or sexual misconduct to immediately report the incident to the Title IX Director.

In an emergency, victims of sexual abuse should call 911. For non-emergencies, they may contact UPD at 210-567-2800. Additional information may be obtained at <http://students.uthscsa.edu/titleix/>

University of Texas Health Science Center

Department of Developmental Dentistry

Course: Oral Pathology for Pediatric Dentistry (2017)

Director: Maria Minerva Garcia, DDS

Location: 2.100.06 Regional Campus and Pediatric Dentistry Conference Room (4.255R)

Time: Monday 9:00 to 9:50am

Objectives

1. To know oral pathologies that occur commonly in children
2. To be able to identify and diagnose these pathologies
3. To understand the etiology and pathogenesis of the diseases
4. To know the recommended management/treatment

Individual Evaluation

You will be evaluated based on your understanding and knowledge of pediatric oral pathology. The final examination will be based on the lecture material. It will be mostly case-based, multiple choice and short answer. Slides will be presented to help you choose your answers.

Passing grade: A minimum score of 75% is a requirement for successful completion of this course.

Recommended reading resources

1. Oral Pathology: Clinical pathologic Correlations 5th edition Regezi, Sciubba . Jordan
2. Oral and Maxillofacial Pathology, 2nd and 3rd edition Neville, Damm, Allen, and Bouquot
3. Dentistry for the Child and Adolescent, 8th Edition
By Ralph E. McDonald, DDS, MS, LLD, David R. Avery, DDS, MSD and Jeffrey A. Dean,
DDS, MSD
4. AAPD Reference Manual
5. The Handbook of Pediatric Dentistry, 4th edition.

Diagnosis and Tx Planning

#3 Counihan KP, O'Connell AC. Case report: Pre-eruptive intra-coronal radiolucencies revisited. *European Archives of Paediatric Dentistry* 2012;13:221-26.

Special Care for Special Pts

#35 Olczak-Kowalczyk, D., et al. Oral candidiasis in immunosuppressed children and young adults after liver or kidney transplantation. *Pediatr Dent* (2010) 32(3): 189-194.

#41 Ramos-Gomez, F. J., Flaitz, C. and Catapano, P. Classification, diagnostic criteria, and treatment recommendations for orofacial manifestation on HIV-infected pediatric patients. Collaborative workshop on oral manifestations of pediatric HIV infection. *J Clin Pediatr Dent* (1999) 23: 85-96.

#42 Rauch F. and Glorieux, F. H. Osteogenesis imperfecta. *The Lancet* (2004) 363: 1377-1385.

#43 Sedano, H. O. and Gorlin, R. J. Epidermolysis bullosa. *Oral Surg Oral Med Oral Pathol* (1982) 53: 363-366.

#49 Wright, J.T. The diagnosis and treatment of dentinogenesis imperfecta and amelogenesis imperfecta. *Hellenic Dent J* (1992) 2: 17-24.

Pediatric Dental Trauma

Course Director: Dr. Jungyi Alexis Liu
Contact Information: 210-567-3551 (office)
408-966-4380 (cell)
liuja@uthscsa.edu

Location: 4.255R Pediatric Dental Conference Room for San Antonio Residents
2.100.06 Regional Campus for Laredo Residents

Time: Mondays 11:00 am -11:50 am (January-April 2017)

Course Goals and Objectives:

- Become familiar with and competent in the triage and emergency evaluation of the pediatric patient who has sustained oral/dental trauma
- Be familiar with classification, epidemiology and etiology of oral/dental trauma
- Understand the principles and protocols in management of oral/dental trauma in primary and permanent dentition
- Become competent in management of oral/dental trauma in primary and permanent dentition
- Understand the prognosis of dental trauma and the principles of trauma follow-up
- Knowledge of diagnosis and management of pediatric maxillofacial trauma

Course Format:

- Lectures, review of literature and trauma case presentation
- Reading articles will be mailed out at least 1-2 week before each class

Evaluation: Final exam, case presentation, class participation

Grade:

- 100-90 = A
- 89-80 = B
- 79-70 = C

Must achieve 70 to pass

Grading Method:

- Final exam (40%)
- Case presentation (40%)
- Class participation (20%)

Pediatric Dental Trauma

Spring Semester (January-April 2017)

Time: Mondays 11:00 am ---11:50 am

	Date	Topic	Faculty
	01/23/2017	No class	
1, 2,	01/27/2017 (Friday 13:15~16:00)	Trauma in primary and permanent dentition	Lina M. Cardenas
3	01/30/2017	Patient evaluation and suture technique	Carlos G. Landaeta Quinones
4	02/06/2017	Decoronation	Liu
5	02/13/2017	Restoration in young traumatized pt	E. Matthew Lamb
6	02/27/2017	Patient evaluation and suture technique	Carlos G. Landaeta Quinones
7	03/06/2017	Pediatric Maxillofacial Trauma	Dr. Ellis
8	03/20/2017	case presentation	Dr. Liu
9	03/27/2017	case presentation	Dr. Liu
10	04/10/2017	case presentation	Dr. Liu
11	04/17/2017	Final	

HOSPITAL DENTISTRY

Spring, 2017

Postdoctoral Program – Pediatric Dentistry
Course Director – Dr. Jeff Mabry
Contact Information: (210) 567-0146 (office)
Email: mabryj2@uthscsa.edu

Time: Monday 8:00AM – 8:50 AM
Location: Conference Room (4.255R)

GOALS AND OBJECTIVES:

- 1.) The advanced education student will be able to make a differential diagnosis of medically compromised patients and have an in depth understanding of special considerations that need to be implemented when treating these compromised patients.
- 2.) The advanced education student will understand hospital protocol and the appropriate protocol for obtaining consultations or providing consultations.

TOPICS COVERED IN FORMAL INSTRUCTION:

The Hospital Dentistry course is a four part (four semester) course that provides didactic in depth instruction in diseases that compromise patients and require special considerations when providing care. These compromised conditions include heart diseases, autoimmune diseases, viral diseases, congenital diseases, trauma induced compromised health, bleeding disorders and other systemic diseases. The course is designed to recognize specific diseases through thorough diagnostic technique and medical history review, then treat these patients appropriately with special considerations that may be necessary due to their disease status.

<u>DATE/TIME</u>	<u>TOPIC</u>	<u>FACULTY</u>
Monday, Jan 23 @ 0800-0850 Reading Assignment: <ol style="list-style-type: none">1. Dr. DePeralta's handout2. Blitz CD (See "Dummies 2008" folder; Section E. Ordering Blood Tests)	Immune Compromised Patients Part I	Dr. Alex DePeralta
Monday, Jan 30 @ 0800-0850 Reading Assignment: <ol style="list-style-type: none">1. Dr. DePeralta's handout2. Blitz CD (See "Dummies 2008" folder; Section E. Ordering Blood Tests)	Immune Compromised Patients Part II	Dr. Alex DePeralta
Monday, Feb 6 Assignment: <ol style="list-style-type: none">1. 2009 Board Reading List; #3. Bryan, R., Sullivan. Management of dental patients with seizure disorders. Dent Clinic North Am (2006) 50 (4): 607-23	Pediatric Epilepsy	Dr. Sidney Atkinson @ 0800-0850 Reading
Monday, Feb 13 @ 0800-0850	ADHD	Dr. Glen Medellin

Monday, Feb 27
@ 0900-0950

Autism

Dr. Perla Soni

Reading Assignment:

1. 2009 Board Reading List; #21. Friedlander, A.H.; et al. The neuropathology, medical management and dental implications of autism. *J Am Dent Assoc* (2006) 137 (11):1517-1527.

Monday, Mar 6
@ 0800-0850

ITP

Dr. M. Frei-Jones

Monday, Mar 20
@ 0800-0850

Dental Mgt of Ped Cancer Pts I

Dr. Jeff Mabry

Monday, Mar 27
@ 0800-0850

Dental Mgt of Ped Cancer Pts II

Dr. Jeff Mabry

Monday, April 10
@ 0800-0850

Pediatric HIV

Dr. Cara Gonzales

Reading Assignment:

1. 2009 Board Reading List; #8. Church, J.A. HIV disease in children: The many ways it differs from the disease in adults. *Postgrad Med* (2000) 107: 163-182.

**Monday, Apr 17
@ 0800-0850**

FINAL EXAM

Dr. Jeff Mabry

Practice Management

Course Director: Dr. Al Burns

Contact Information: dralburns@gmail.com

Time: Fridays 3:15-5:00 p.m.

Location: COHCR 4067

Goals and Objectives:

The course is intended to:

- 1.) Provide the opportunity to analyze the decision to enter private practice.
- 2.) Present a variety of options for handling professional/business aspects of a practice.
- 3.) Aid in transition from the advanced education program to private practice.
- 4.) Prepare students to prepare for loan applications.
- 5.) Prepare student to understand types of professional, business and personal insurance.
- 6.) Understand appointment management considerations of scheduling patients.
- 7.) Expose to efficiency in practice through office design, traffic flow, and computerization.
- 8.) Present marketing models for a private practice.

TOPICS COVERED IN FORMAL INSTRUCTION:

This seminar and practice visitation course is presented in an informal manner to generate considerable discussion on the complex issues involved in opening and operating a modern pediatric dental practice.

Topics of discussion include:

- 1.) Business and practice structures
- 2.) Agencies affecting dentistry
- 3.) Management basics
- 4.) Financial statements
- 5.) Borrowing money
- 6.) Start-up and operating costs
- 7.) Lease agreements
- 8.) Associate agreements
- 9.) Purchase agreements
- 10.) Marketing concepts

Case Conference/Presentation

Course Director: Faculty Rotation

Time: Fridays 1:15 – 2:05 p.m.

Location: COHCR 4067

GOALS AND OBJECTIVES:

- 1.) Each advanced education student will present treatment cases involving pediatric dental care with full documentation for either pretreatment diagnosis and treatment planning, in progress special considerations, or post-treatment review and critique.
- 2.) Each advanced education student will gain an in-depth understanding of special patient considerations, including multidiscipline care in the practice of pediatric dentistry.
- 3.) Each advanced education student will be able to present and discuss topics related to pediatric dentistry.

TOPICS COVERED IN FORMAL INSTRUCTION:

On a weekly basis, the fall and spring semesters of both years of the program, advanced education students present treatment cases involving pediatric dental care with full documentation for either pretreatment diagnosis and treatment planning, in progress special considerations, or posttreatment review and critique. The presentations serve as a focus for in-depth discussion of the issues raised by the case with advanced education student and faculty input. Each presentation is supported by appropriate complete records documentation, diagnostic radiographs, and a thorough review of background information to ensure the careful analysis of the case presented. The types of cases typically fall into the following categories:

- 1.) Complex restorative, surgical, periodontal, trauma, or pulp therapy cases.
- 2.) Patients with compromising medical, mental, physical, or developmental condition requiring special attention.
- 3.) Patients with challenging behavioral management considerations requiring pharmacologic aids or other special management techniques.
- 4.) Patients required for OR-general anesthesia admission to provide dental care.

Literature Review

Course Director: Faculty Rotation

Time: Fridays 2:15 – 3:05 p.m.

Location: COHCR 4067

GOALS AND OBJECTIVES:

Upon completion of this course the advanced education student:

- 1.) Will have improved the ability to review, evaluate, critique and determine the clinical application of the dental literature.
- 2.) Will have become familiar with a broad base of original literature to which past and future articles may be related in a scientific manner.
- 3.) Will have reviewed and evaluated a broad spectrum of research protocols; materials and methods, and statistical designs.
- 4.) Will have kept abreast with pertinent current literature.
- 5.) Will have read the American Board of Pediatric Dentistry reading list in preparation to take the written portion of the examination.

TOPICS COVERED IN FORMAL INSTRUCTION:

This four part (four semesters) course requires that each advanced education student read and be ready to discuss assigned articles from the most recent American Board of Pediatric Dentistry reading lists as well as chosen current and classic literature pertinent to pediatric dentistry. The major intent of the course is to develop the student's ability to evaluate the literature critically and determine the clinical application of the dental literature. The major subject areas include behavior management, growth and development, restorative dentistry, prosthodontics, pulp therapy, dental anatomy, dental materials, orthodontics, oral pathology, oral medicine, hospital dentistry, special patients, and preventive dentistry.

Articles assigned for each session are required to be read by each student - by random selection a student is chosen to report on an article, discuss the strengths and weaknesses of the article, the major findings and their relationship to similar articles, and possible clinical implications of the findings.

Pediatric Grand Rounds

Course Director: Faculty Rotation

Time: TBD

Location: TBD

GOALS AND OBJECTIVES:

- 1.) To provide an interesting and informative update on current topics in the care of infants, children and adolescents.
- 2.) The advanced education student will:
 - a) Learn and appreciate advances in medicine and dentistry.
 - b) Regularly attend lectures that may relate directly or indirectly to the specialty.
 - c) See various research methods, applications, and analysis of data.
 - d) Find information that might be used to further research in Pediatric Dentistry.

TOPICS COVERED IN FORMAL INSTRUCTION :

Pediatric Grand Rounds is a series of one-hour lectures provided by the Department of Pediatrics of UTHSCSA by faculty and distinguished guest speakers who present topics of current interest. The rounds are selectively attended by Pediatric Dentistry students depending on topics of interest to the management of children in a dental context. Others attending the Grand Rounds include medical students, Pediatric residents, university faculty, and community doctors.

Craniofacial Clinic Rotation

Course Director: Dr. Maria Jose Cervantes Mendez & Dr. Alexis Liu

Contact Information: Dr. Cervantes (210) 450-3514 cervantesmen@uthscsa.edu

Dr. Liu (210) 567-3551 liuja@uthscsa.edu

Time: 3rd Tuesday of the month

Location: COHCR 4067

GOALS AND OBJECTIVES:

Each advanced education student will:

- 1.) Be exposed to a wide variety of special patients that have craniofacial abnormalities, including cleft lip and palate patients and patients with diagnosed syndromes.
- 2.) Learn to interact and communicate with various health care specialists involved with the Craniofacial Anomalies Team.
- 3.) Improve communication skills with patients and parents.
- 4.) Learn to present dental treatment plans to an interdisciplinary team.
- 5.) Learn general medical considerations in the treatment of craniofacial abnormalities.
- 6.) Learn the implications of dental treatment plans upon the consensus treatment plan proposed by the craniofacial team.
- 7.) Become more acquainted with normal and abnormal growth and development in cleft palate and other craniofacial patients.

TOPICS COVERED IN FORMAL INSTRUCTION:

The Craniofacial Anomalies Clinic is scheduled on a monthly basis in a three-hour clinic session. The patients are evaluated by a number of clinical disciplines which include Plastic Surgery, ENT, Oral Surgery, Speech, Pediatrics, Craniofacial Genetics, Pediatric Dentistry, and Orthodontics. The Team structure allows a multi-disciplinary approach to monitor the condition, progress, and future treatment recommendations for the patients of the clinic. At the end of each clinic session, the team meets for a one to two hour session to develop a comprehensive treatment plan with both short and long-term recommendations. On a rotating basis, pediatric dentistry advanced education students accompany various Team disciplines in patient evaluations and attend the Team meeting.

Clinical Teaching

Course Director: Faculty Rotation

Time: Weekly, one-half day

Location: PEDO Clinic

GOALS AND OBJECTIVES:

The advanced education student will be able to:

- 1.) Be competent in teaching predoctoral dental students in clinical pediatric dentistry.
- 2.) Be competent in making and justifying decisions on care to fellow clinicians.
- 3.) Develop increased responsibility and ability in making decisions and accomplishing goals.
- 4.) Promote individual learning by reviewing concepts, explaining procedures, and demonstrating techniques.

TOPICS COVERED IN FORMAL INSTRUCTION:

Teaching experience is an excellent opportunity to develop responsibility and promote learning of pediatric dentistry, educational, and interpersonal relationships. During the second year of the program, each advanced education student will be assigned to approximately three clinic sessions per month of the predoctoral pediatric dentistry clinics to serve as a clinical attending to predoctoral dental students. A faculty member will always be assigned to the clinic session with the advanced education student for advise and overall responsibility.

The clinical teaching provides the advanced education student an opportunity to gain practical experience in teaching pediatric dentistry to predoctoral students and in making and justifying decisions.

Through teaching experience the advanced education student should develop increased responsibility and ability in making decisions and promote individual learning by reviewing concepts, explaining procedures, and demonstrating techniques. Likewise, the advanced education student can gain an appreciation and understanding of teaching.