DEN7452C
Summer 2021

Course Description:
Treatment of the child patient as it relates to treatment planning, soft tissue evaluation, preventive dentistry, behavior management, treatment of the handicapped, child abuse, pulp treatment, trauma, oral surgery, and restorative techniques.

I. General Information

Course Director:

Course Director: Edna Perez
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Course Credits: 3
Semester: Summer

Contributing Faculty

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Support Staff

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II. Course Goals

Fundamentals of Pediatric Dentistry, 7452C, is designed to provide the basic principles and foundation knowledge related to dentistry for children and adolescents. The course is designed to help the undergraduate dental student provide comprehensive oral health care for the pediatric population.

III. Course Overview

The course is divided into three modules.

1. Assessment/Examination of Children/Prevention of Oral Disease in Children
2. Behavior Guidance of Children
3. Restorative Procedures for Children

The course is a lecture format with assigned readings. Students are responsible for completing the assigned reading and attending each lecture. PowerPoint lectures should be in the documents section one day before each lecture.

IV. Course Outline

The three modules of the course are divided to represent a systematic approach to pediatric dentistry. The first module contains information necessary to complete data collection and treatment planning for the child patient. In addition, considerable emphasis is given to preventive procedures known to be effective in reducing dental caries in children. The child guidance module provides information to the student associated with the child’s behavior in the dental office and techniques to modify behavior problems that may occur. Finally, the restorative procedures module presents clinical procedures necessary to produce a comprehensive approach to pediatric dental health care.

The course focuses on quality of care and emphasizes the child as an individual with considerations different from adults that require thorough attention, accurate evaluation, and appropriate management.

Course Outline:

Module 1 – Assessment/Examination of Children/Prevention of Oral Disease in Children
a. Course Overview; Introduction to Behavior Management
b. Child Abuse
c. Guidance of Eruption and Oral Habits
d. Early Childhood Caries and Infant Oral Care
e. Radiographic and Hard Tissue Assessment
f. Periodontal, Gingival and Soft Tissue Assessment

Module 2 – Behavior and Clinical Guidance of Children and Adolescents
a. Behavior Management - Pharmacological; Autism and ADHD
b. Special Care Patients and Medical Precautions
c. Odontogenic Infections and Anomalies
d. Fluoride and Sealant Therapy
e. Molar Incisor Hypomineralization
f. Adolescents Risk Behaviors
g. Management of Adolescents and Adults with Disability

Module 3 – Restorative Procedures for Children
a. Local Anesthesia and Analgesia; Extraction
b. Pediatric Restorative Dentistry; Dental Materials
c. Stainless Steel Crowns; Pulp Therapy
d. Trauma; Orientation
e. Space Maintenance; Pediatric Prosthetics
f. Team Based Case - Treatment Planning

V. Course Material


Assigned articles will be included within the course syllabus and are located in Canvas.

Powerpoint lectures will be posted in Canvas
VI. Course Objectives

Module 1 – Assessment / Examination of Children and Prevention of Oral Disease in Children

Course Overview Dr. Perez and Dr. Guelmann

Objectives

1. Overview the sequence of courses, electives and clinical rotations, and their locations, offered by the Department of Pediatric Dentistry.
2. Introduce the faculty, staff and residents of the Department of Pediatric Dentistry.
3. Review course packet, syllabus and outline.
4. Describe the scope of pediatric dental practice and the uniqueness of the child dental patient.

Readings

- Course packet: syllabus and assigned readings (in Canvas)
- Department website: http://www.dental.ufl.edu/offices/pediatric/
- Canvas: announcements and grades

Introduction to Behavior Management: Non-Pharmacological Dr. Perez

Objectives - Introduction to Behavior Management: Non-Pharmacological

1. Define the goals of behavior guidance in the pediatric patients.
2. Discuss the roles of the dental staff and the dentist in the behavior guidance.
3. Describe how to perform a patient behavioral assessment.
4. Identify the psychosocial traits and skills for 2 to 5 year old children.
5. Define the different barriers that could result in non-compliance from the patient.
6. Determine when to defer dental treatment and which factors need to be considered.
7. Emphasize the importance of Informed Consent.
8. Discuss the different non-pharmacological behavior management techniques.

Readings - Introduction to Behavior Management: Non-Pharmacological

Additional readings

  - Chapter 6, pg. 88-97, Non-pharmacological Issues in Pain Perception
  - Chapter 23, pg. 352-370, Behavior Guidance of the Pediatric Dental Patient

**Child Abuse Dr. Adewumi**

Objectives – Child Abuse

1. Define child abuse and neglect.
2. Recognize the different types of Child Abuse.
3. Recognize the different ways that a child may be abused
4. Recognize the ways that a child may be neglected.
5. Differentiate between accidental and non-accidental abuse in a child.
6. Appreciate the relationship between dental and general neglect
7. Describe the dentist's role and responsibility when reporting a suspected case of child abuse.
8. Describe how to report a case of suspected child abuse.

Readings – Child Abuse

  https://www.aapd.org/globalassets/media/policies_guidelines/bp_childabuse.pdf

  Additional readings (questions for the exam may come from here)

  Additional readings - Archives of Disease in Childhood

  How to distinguish between neglect and deprivational abuse.
  http://adc.bmj.com/content/88/2/105
Guidance of Eruption and Oral Habits Dr. Carey

Objectives

1. Identify the major factors that cause abnormal arch development.
2. Describe three possible etiologies for loss of space in the dental arch.
3. Identify the causative factors associated with crossbite.
4. List three common types of oral habits seen in children, and describe their oral manifestations and appropriate treatment strategies.
5. Describe one removable appliance and one fixed appliance for treatment of an anterior dental crossbite in the mixed dentition and the advantages and disadvantages of each appliance.

Readings for exam - Guidance of Eruption and Oral Habits


Chapter 26, pg. 385-392, Oral Habits

Early Childhood Caries and Infant Oral Health Dr. Perez

Objectives

A. Caries Epidemiology and Risk Assessment

1. List the four etiological factors involved in the formation of a carious lesion and describe their role(s) in caries initiation and progression.
3. Describe the rationale for the use of the Caries Risk Assessment Tool (CAT).
4. Apply the Caries Risk Assessment Tool (CAT) to determine the caries risk of children.
5. Discuss guidelines for nutritional counseling and diet modification.

B. Infant and Toddler Care

1. Describe the strategies to be used in the prevention of dental caries of infants and toddlers.
2. Discuss the concept of Anticipatory Guidance/Counseling
3. Describe the approaches for the oral examination of infants and toddlers.
4. Describe the oral pathologies and clinical findings that could be observed in young children, including problems with dental eruption and trauma.
5. Define the concept of Early Childhood Caries.
6. Describe the different factors that place children at risk to develop Early Childhood Caries.
7. Discuss the etiology, clinical course and management strategies of Early Childhood Caries.
8. Describe the following prevention strategies: Prenatal Counseling, Risk Assessment, Establishment of a Dental Home, Fluoride Administration, Diet and Home Care.
9. Discuss the potential implications of nonnutritive sucking habits and their effects in the dentition.

Assigned Reading:


Additional readings (questions for the exam may come from here)

  Chapter 12, pg. 177-182, The Dynamics of Change: Epidemiology and Mechanisms of Dental Disease
  Chapter 13, pg. 184-199, Examination, Diagnosis, and Treatment Planning of the Infant and Toddler
  Chapter 11, pg. 139-147, Dental Public Health Issues in Pediatric Dentistry

Radiographic and Hard Tissue Assessment  Dr. Connell

Objectives

1. Describe how to identify needs and to complete a radiographic survey for children.
2. Identify the types of films used and the specific dental survey recommended for different ages and caries risk levels.
3. Discuss the appropriate radiation safeguards to reduce unnecessary radiation exposure.
4. List and describe several examples of anomalies of tooth number, shape, size, color, and surface texture.

Readings on Radiographic and Hard Tissue Assessment

- American Academy of Pediatric Dentistry. Guideline on Prescribing Dental Radiographs for Infants, Children, Adolescents, and Persons with Special Health Care Needs. The
Reference manual of Pediatric Dentistry; 2020:248-251
https://www.aapd.org/globalassets/media/policies_guidelines/bp_radiographs.pdf

Additional readings (questions for the exam may come from here)

  - Chapter 18, pg. 271-274, Examination, Diagnosis, and Treatment Planning
  - Chapter 30, pg. 454-457, Examination, Diagnosis, and Treatment Planning

**Periodontal, Gingival and Soft Tissue Assessment Dr. Mendes Duarte**

**Objectives**

1. Describe the relevance of gingival and periodontal diseases in children and adolescents.
2. Identify the normal gingiva, periodontium and mucosa in children and adolescents from infancy to adolescence.
3. Diagnose gingival, periodontal and mucosal diseases in children and adolescents.
4. Recall the basic principles for the treatment of gingival, periodontal and mucosal diseases in children and adolescents.

**Readings - Periodontal, Gingival and Soft Tissue Assessment**

- Classification of Periodontal Diseases in Infants, Children, Adolescents, and Individuals with Special Health Care Needs. 2020; pg 418-432
- [Link](https://www.aapd.org/link/5f6437861ce842b38aad0a9cbbc0a744.aspx)

*Examination I 6/02/2021*

**Module 2 – Behavior and Clinical Management of Children and Adolescents**

**Behavior Management: Pharmacological/Autism and ADHD Dr. Perez**

**Objectives**

1. Describe the indications and contraindications of the Nitrous Oxide/Oxygen Inhalation
2. Describe the technique of nitrous oxide/oxygen administration.
3. Describe the objectives and indications for the use of advance behavior guidance:
   Protective stabilization, Sedation, General Anesthesia
4. Identify methods of drug administration in conscious sedation.
5. Identify drugs commonly used in pediatric conscious sedation.
6. Describe the guidelines for monitoring and management of the pediatric patient during the different levels of sedation.
7. Define the adverse side effects of drugs used for conscious sedation.
9. Identify the core features of Autism.
10. Discuss the types of Autistic Disorders
11. Describe the oral findings of patients with Autism.
12. Discuss the dental management of autistic patients.
13. Define the Attention Deficit Hyperactivity Disorder.
14. Explain the core symptoms of ADHD.
15. Describe the oral findings of patients with ADHD.
16. Discuss the dental management of patients with ADHD.

Readings:

  https://www.aapd.org/globalassets/media/policies_guidelines/p_nitrousoxidehazards.pdf
  https://www.aapd.org/globalassets/media/policies_guidelines/bp_useofnitrous.pdf

Additional readings

  Chapter 8, pg. 105-117, Pain Reaction Control: Sedation

**Special Care Patients and Medical Precautions Dr. Garvey**

**Objectives**

1. Describe the etiology of Down Syndrome.
2. List the physical characteristics of children who have Down Syndrome.
3. List the oral manifestations found in children who have Down Syndrome.
4. Identify the common medical conditions associated with Down Syndrome.
5. Describe the etiology and incidence of cerebral palsy.
6. Discuss the classification of cerebral palsy.
7. Identify the typical oral manifestations common in people who have cerebral palsy.
8. Discuss the guidelines for accommodating individuals who have cerebral palsy.
9. Define the major types of seizures.
10. Describe some of the common oral manifestations found in children with seizure disorders.
11. Discuss guidelines for accommodating sensory-impaired (blind or hearing-impaired) children in the dental office.
12. Explain the differences between congenital and acquired heart diseases.
13. Discuss the cause of rheumatic heart disease.
14. Select the type and dose of antibiotic necessary for prophylactic coverage of a patient with heart disease who requires dental treatment, and which procedures require prophylaxis.
15. Describe common characteristics of people who have autism.
16. Describe accommodations that may be utilized to provide dental care for a person who has autism.

Readings:

  https://www.aapd.org/globalassets/media/policies_guidelines/r_medhistoryform.pdf

  https://www.aapd.org/globalassets/media/policies_guidelines/bp_shcn.pdf

  https://www.aapd.org/globalassets/media/policies_guidelines/p_hospitalizationinfants.pdf
Additional readings (questions for the exam may come from here)


Odontogenic Infections and Anomalies  Dr. Adewumi

Objectives

1. Identify the common causes of Odontogenic Infections in a child.
2. List the clinical features of Odontogenic Infections.
3. Define Cellulitis.
4. Recognize the different types of cellulits that may present in children.
5. Differentiate the different spaces involved in the spread of a dental infection in children.
6. Discuss the microbiology of an odontogenic infection.
7. Apply the principles of management to outline the steps involved in deciding on antibiotic therapy.
8. Discuss the criteria used to evaluate when to admit a child with an odontogenic infection.
10. List the differential diagnosis of Odontogenic infections.
11. To recognize the relationship between dental development and clinical significance of dental anomalies.
12. To recognize the different types of dental anomalies in children.
13. To recognize the effect of dental anomalies in the developing dentition

Readings and lecture - Odontogenic Infections and Anomalies

Fluoride and Sealant Therapy  Dr. Carey

Objectives

1. Discuss the mechanism by which fluoride inhibits dental caries formation.
2. Describe the metabolism of fluoride with reference to absorption, distribution, excretion, and chronic and acute toxicity.
3. Discuss individually the vehicles used in systemic and topical fluoride administration and their relative effectiveness in terms of caries reduction.
4. Explain current recommendation regarding prenatal fluoride supplementation.
5. List the protocol for prescribing postnatal fluoride supplements.
6. Describe the management of acute fluoride toxicity.
7. Demonstrate several modes of in-office topical fluoride application.
8. Outline appropriate agent, concentration, dosage, and interval of use for various vehicles of at-home topical fluoride application.
9. Comprehend the anatomic differences between normal and etched enamel surfaces.
10. Appreciate the historic development and current rationale for occlusal sealant use in children.
11. Understand the factors influencing enamel acid etching and mechanical bonding of the sealant.
12. List the selection, application, and evaluation criteria for sealant materials.
13. Discuss the limitations of sealant usage and inherent problems of the technique.
14. Describe the clinical protocol for silver diamine fluoride.

Assigned Readings:

  https://www.aapd.org/globalassets/media/policies_guidelines/bp_fluoridetherapy.pdf
  https://www.aapd.org/globalassets/media/policies_guidelines/p_fluorideuse.pdf
  https://www.aapd.org/globalassets/media/policies_guidelines/bp_restorativedent.pdf
• FEATHERSTONE- information can be found under the document section
UCSF Protocol for Caries Arrest Using Silver Diamine Fluoride: Rationale, indications
and Consent, Jeremy A Horst, DDS, PHD
pgs- 17-28.

nihms-761960.pdf

• Policy on the use of Silver Diamine Fluoride for Pediatric dental Patients. The Reference
manual of Pediatric Dentistry; 2020: 66-69

https://www.aapd.org/globalassets/media/policies_guidelines/p_silverdiamine.pdf

• Chairside Guide: SDF in the Management of Dental Caries Lesions. The Reference
manual of Pediatric Dentistry; 2020:578-579

https://www.aapd.org/globalassets/media/policies_guidelines/r_chairsideguide.pdf

• Guideline on use of SDF for Dental caries management in children & adolescents
including those with special health care needs. Pediatric Dentistry; 39(5) 135-145

https://www.aapd.org/globalassets/media/policies_guidelines/g_sdf.pdf

Additional readings (questions for the exam may come from here)

• Antibacterial effects of silver diamine fluoride multi-species cariogenic biofilm on caries, May
Lei Mei et al,


• Effects of silver diamine fluoride on dentine carious lesions induced by Streptococcus mutans
and Actinomyces naeslundii biofilms, Chun Hung Chu et al, International Journal of Pediatric
Dentistry 2012; 22: pgs. 2-10

• Silver Diamine Fluoride: A Caries "Silver-Fluoride Bullet", A Rosenblatt et al, J DENT RES
2009 88: pgs. 116-125
• Efficacy of Silver Diamine Fluoride for Arresting Caries Treatment, R Yee et al, J DENT RES 2009 88: pgs. 644-647


  Chapter 19, pg. 279-284, Prevention of Dental Disease
  Chapter 32, pg. 467-489, Pit and Fissure Sealants: Scientific and Clinical Rationale

Molar Incisor Hypomineralization- Dr. Adewumi

See Canvas links

Adolescents Risk Behaviors Dr. Perez

Objectives

1. Describe the different aspects from the psychosocial development of adolescents

2. Describe several negative risk behaviors from adolescent patients and the possible oral/systemic health complications.

3. Understand the importance of providing a thorough approach toward adolescents in a clinical dental setting.

4. Review an Adolescent Questionnaire based on the AAPD Guidelines

5. Describe the topics related to patient confidentiality when treating adolescent patients.

Readings & lecture


https://www.aapd.org/research/oral-health-policies--recommendations/tobacco-use/
Management of Adolescents and Adults Who Have a Disability  Dr. Garvey

Objectives:

1. Define the term disability.
2. Discuss the prevalence of disabilities in the U.S.
3. Explain how public attitudes about persons with disabilities have changed during the past 50 years.
4. Use appropriate terminology to describe a person who has a disability.
5. Describe the barriers to accessing comprehensive dental care that confront many people who have a disability.
6. Explain how the Americans with Disabilities Act impacts the practice of dentistry.
7. Discuss techniques the dental staff should use when treating the patient who is visually impaired.
8. Describe techniques the dental staff should use when treating the patient who has a hearing impairment.
9. Discuss the use of physical, mechanical, and chemical restraints.
10. Describe factors that should be considered when formulating a treatment plan for an individual who has an intellectual disability.
11. Describe ways to enable a person who has a neuromuscular disability to perform oral hygiene procedures.

Readings:

  https://www.aapd.org/globalassets/media/policies_guidelines/d_shcn.pdf
  https://www.aapd.org/globalassets/media/policies_guidelines/p_modeldentalbenefits.pdf
- American Academy of Pediatric Dentistry. Policy on Transitioning from a Pediatric-centered to an Adult-centered Dental Home for Individuals with Special Health Care Needs. The Reference manual of Pediatric Dentistry;2020: 152-155
  https://www.aapd.org/globalassets/media/policies_guidelines/p_transitioning.pdf
  https://www.aapd.org/globalassets/media/policies_guidelines/bp_shcn.pdf
  https://www.aapd.org/globalassets/media/policies_guidelines/bp_radiographs.pdf

Additional readings (questions for the exam may come from here)

Garvey: Management of adolescents and adults with disabilities, 13 pgs.

Examination II 06/21/2021
Module 3– Restorative Procedures for Children

Local Anesthesia, Analgesia and General Anesthesia Dr. Connell

Objectives

1. Discuss the pharmacology of local anesthetic agents commonly used in the child dental patient.
2. Describe the innervation for the teeth and intra-oral soft tissues in the child patient.
3. Describe the technique for maxillary posterior anesthesia.
4. Describe the technique for maxillary anterior anesthesia.
5. Describe the technique for mandibular posterior anesthesia.
6. Discuss five complications associated with local anesthetic administration.
7. Identify the indications for hospital treatment of a patient under general anesthesia.
8. Describe the technique employed in the administration of general anesthesia and how dentistry is provided to pediatric patients in an hospital environment.

Readings:

  https://www.aapd.org/globalassets/media/policies_guidelines/bp_localanesthesia.pdf
  https://www.aapd.org/globalassets/media/policies_guidelines/p_acutepainmgmt.pdf

Extraction Dr. Connell

Objectives

1. List indications and contraindications for extraction of primary teeth.
2. List the steps involved in the preoperative evaluation prior to carrying out a dental extraction in a child
3. Describe the armamentarium necessary for extraction of teeth in the child patient.
4. Outline the causes for local anesthetic toxicity
5. Outline the signs of local anesthetic toxicity
6. Describe the extraction techniques recommended for anterior, maxillary posterior, and mandibular posterior primary teeth.
7. Describe the management of common complications and situations commonly encountered in surgical techniques involving the child dental patient.

8. Describe the principles of post-operative care for children who have undergone dental surgical procedures.

9. Discuss two of the factors that should be considered when deciding whether to maintain space in the dental arch.

10. List three common types of space maintainer, and formulate a plausible clinical scenario in which each type of space maintainer might be used.

Readings - Extraction

  https://www.aapd.org/globalassets/media/policies_guidelines/r_postsurgery.pdf

Additional readings (questions may come from here for exam) - Extraction

  Chapter 28, pg. 398-407, Local Anesthesia and Oral Surgery in Children

Restoration of Primary Teeth (PRR, Class I, II, III and Anterior Crowns) and Dental Materials Dr. Guelmann

Objectives

1. Understand the anatomic differences between primary and permanent teeth.
2. Comprehend the anatomic differences between normal and etched enamel surfaces.
3. Justify the use of preventive resin restorations.
4. Outline the steps employed in the placement of preventive resin restorations.
5. Justify the use of occlusal amalgam restorations.
6. Outline the steps employed in the placement of occlusal amalgam restorations.
7. Describe in detail the use of the rubber dam with the child patient. List the clamps most often used and for which teeth. Indications, contraindications, and material should be included in the details for the technique.
8. Describe in detail the preparation of a primary molar for a Class II restoration and the materials used restorations in primary molars using the “T” band matrix technique.
9. Discuss the techniques for Class III cavity preparation, the importance of rubber dam isolation, and restorative materials to be used.
10. Discuss the techniques for Class IV restorations including incremental techniques, strip crowns and stainless steel crowns.
Readings:

  https://www.aapd.org/globalassets/media/policies_guidelines/bp_restorativedent.pdf

Additional Readings (questions may come from here for exam)


Objectives—Selection of Dental Materials (Dr. Guelmann)

1. Recognize and understand the different restorative materials for utilization in pediatric dentistry;
2. Understand physical properties of each material and consequently its applications, limitations and clinical utilization (indications and contra-indications);
3. Be able to correlate dental materials with patient’s caries risk assessment in order to indicate the most adequate restorative material to be used.

Readings – Selection of Dental Materials

  https://www.aapd.org/globalassets/media/policies_guidelines/bp_restorativedent.pdf

Additional readings (questions may come from here for exam)


Chapter 20, pg. 291-303, Dental Materials

Pulp Therapy Dr. Guelmann

Objectives

1. List the goals of primary tooth pulp therapy and factors influencing its success.
2. Discuss the clinical and radiographic criteria necessary to diagnose the etiology of the problem and to determine the indicated pulp treatment.
3. Define, understand, and describe all the principles involved in direct and indirect pulp capping, pulpotomy and pulpectomy techniques and,
4. This includes indications, contraindications, clinical procedures, and reasons for failures.
5. Illustrate a flow chart (decision support system) to determine pulp therapy for both the primary and permanent dentition.
6. From case histories and radiographs, identify the appropriate pulpal management.

Readings:

  https://www.aapd.org/globalassets/media/policies_guidelines/bp_pulptherapy.pdf
  Chapter 22, pg. 333-351, Pulp Therapy for the Primary Dentition

**Stainless Steel Crowns Dr. Guelmann**

**Objectives – Stainless Steel Crowns**

1. Describe in detail the technique used in preparing a primary molar for a stainless steel crown restoration including the armamentarium, possible errors, and all principals involved.
2. Describe in detail the technique of stainless steel crown adaptation for a primary molar from the point of crown selection to the finished and cemented crown including armamentarium, possible errors, and all principals involved.
3. Describe the principals involved when alterations and modifications are needed when placing stainless steel crowns in atypical situations.
4. Recognize all areas of consideration for successful use of stainless steel crowns.

**Readings- Stainless Steel Crowns**

  https://www.aapd.org/globalassets/media/policies_guidelines/bp_restorativedent.pdf
Trauma Dr. Connell

Objectives

1. Describe the different types of traumatic injuries affecting the primary and permanent dentitions (Classification, Etiology).
2. Discuss the management and clinic (staff) preparation to treat dental trauma cases;
3. Discuss parental instruction at the injury site;
4. Emphasize the importance of diagnostic methods to determine treatment possibilities, sequela;
5. Based on type of trauma, determine the correct emergency treatment, follow-up and prognosis;
6. Discuss prevention methods.
7. Discuss the importance of behavior management techniques to treat these difficult situations and treatment limitations.

Readings - Trauma

  
https://www.aapd.org/globalassets/media/policies_guidelines/e_fractures.pdf

  
https://www.aapd.org/globalassets/media/policies_guidelines/e_avulsion.pdf

  
https://www.aapd.org/globalassets/media/policies_guidelines/e_injuries.pdf

Additional readings (questions may come from here for exam)
  Chapter 15, pg. 213-230, Introduction to Dental Trauma: Managing Traumatic Injuries in the Primary Dentition
  Chapter 34, pg. 503-517, Managing Traumatic Injuries in the Young Permanent Dentition.

**Space Maintenance and Pediatric Prosthetics Dr. Carey**

**Objectives**

1. When are space maintainers needed
2. What factors should we evaluate
3. Types of appliances to be used for space maintenance
4. Impression techniques for space maintainers
5. Space maintainers related to the age of the patient
6. Demonstrate examples of prostheses to correct esthetic and function during primary and young permanent dentition, indications and contraindications

**Readings- Space Maintenance**

  Chapter 25, pg. 379-384, Space Maintenance in the Primary Dentition

**Treatment Planning Dr. Perez**

**Treatment Planning/Team Based Case Activity**
Objectives

1. List components of an extraoral evaluation of the head and neck in pediatric patients.
2. Describe how to determine the appropriate radiographic survey required for pediatric patients.
3. Identify factors influencing child behavior.
4. Describe the 3 distinct areas to be considered when developing a treatment plan for a pediatric patient.
5. Describe factors involved in prioritizing treatment needs for a pediatric patient.
6. Discuss the critical steps indicated when presenting a treatment plan to the patient’s parent or guardian.
7. Discuss objectives and processes for referring a patient to a pediatric dentist.

See in Document Section Table for the Objectives of the Team-Based Activity

Readings for Case Base Activity


Examination III 07/23/2021

VII. Course Competencies

This course teaches to the following competency(ies) in the "Competencies for the New Dental Graduate":

Domain II: Professionalism

4: Ethical Standards: Apply principles of ethical decision making and professional responsibility.
5: Legal Standards: Apply legal and regulatory concepts related to the provision and/or support of oral health care services.

6: Appropriate Referral: Provide oral health care within the scope of general dentistry to include recognizing the complexity of patient treatment and identifying when referral is indicated.

Domain III: Communication and Interpersonal Skills

7: Communication Skills: Apply the fundamental principles of behavioral sciences using patient-centered approaches for promoting, improving and maintaining oral health.

8: Diversity: Manage a diverse patient population and have the interpersonal and communication skills to function successfully in a multicultural work environment.

Domain IV: Health Promotion

9: Health Promotion & Disease Prevention: Provide oral health care within the scope of general dentistry to include health promotion and disease prevention.

Domain VI: Patient Care

A. Assessment, Diagnosis, and Treatment

12: Patient Assessment, Diagnosis, Treatment Planning and Informed Consent: Provide oral health care within the scope of general dentistry to include patient assessment, diagnosis, comprehensive treatment planning, prognosis, and informed consent.

B. Establishment and Maintenance of Oral Health

14: Assessment of Treatment Outcomes: Provide oral health care within the scope of general dentistry to evaluate the outcomes of treatment, recall strategies and prognosis.

15: Patient Management: Provide oral health care within the scope of general dentistry to patients in all stages of life.

16: Emergency Treatment: Provide oral health care within the scope of general dentistry to include dental emergencies.

17: Provide oral health care within the scope of general dentistry to include restoration of teeth.

18: Provide oral health care within the scope of general dentistry to include communicating and managing dental laboratory procedures in support of patient care.

19: Provide oral health care within the scope of general dentistry to include replacement of teeth including fixed, removable and dental implant prosthodontic therapies.

20: Provide oral health care within the scope of general dentistry to include periodontal therapy.
21: Provide oral health care within the scope of general dentistry to include local anesthesia and pain and anxiety control.

22: Provide oral health care within the scope of general dentistry to include hard and soft tissue surgery.

23: Provide oral health care within the scope of general dentistry to include malocclusion and space management.

24: Provide oral health care within the scope of general dentistry to include pulpal therapies.

VIII. Evaluation

Required quiz - Individual Readiness Test (I-RAT) in the Team-based learning session. Questions will come from the reading assignments and pre-recorded lecture. Quiz will consist of 10 questions.

Three multiple-choice examinations will be given during 7452C. Material tested will include all lecture and reading (including those readings required for the quiz and those readings to supplement the lecture) material.

Exam I will cover the lectures from Modules 1, count 32% of the final grade.

Exam II will cover the lectures from Module 2 and count 32% of the final grade.

Exam III will cover lectures from Module 3 and count 32% of the final grade.

Each exam will contain 50-60 questions and is based on 5 to 10 questions per lecture and scored as 100 points.

Assigning Grades:

The final grade will be calculated as follows:

1. Exam I (modules 1) 32%
2. Exam II (module 2) 32%
3. Exam III (module 3) 32%
4. Team-Based Case Activity (iRAT, tRAT and participation on the session) 4%

The student will receive a final passing grade in the course when they score >69% on the average of the exams AND receive a pass score on the competency assessment questions.
Students that do not score >69% on the average of the written exams will be awarded an "E" grade.

Remediation:

Students that receive an E grade in the course must meet with the faculty that taught the specific section(s) that the low score(s) <69% was obtained to review content. A re-examination for that section will then be scheduled. The final grade in a remedial course is a "D". All remediation must be completed before you can treat patients in the Pediatric Dentistry Clinic.

IX. Administrative Practices

Administrative practices for all UFCD courses are universally applied. Exceptions to or deviations from these practices are stated in the individual syllabi by the course director. When not individually stated in the syllabus, course administrative practices default to those identified under "Course Policies" on the DMD Student Website:

https://dental.ufl.edu/education/dmd-program/course-policies/

X. Grade Scale