

## **DNH 143 Course Outline**

### **WEEK ONE**

#### ***Chapter 53 – The Patient with an Endocrine Condition***

##### **Learning Objectives**

1. Identify the major endocrine glands and describe the functions of each.
2. Explain signs, symptoms, and potential oral manifestations of each endocrine gland disorder.
3. Describe the hormonal effects and oral health risk factors commonly associated with puberty, menses, contraceptives, and menopause.

##### **Chapter Outline**

1. Overview of the Endocrine System
2. Endocrine Gland Disorders
3. Pituitary Gland
4. Thyroid Gland
5. Parathyroid Glands
6. Adrenal Glands
7. Pancreas
8. Puberty
9. Women's Health
10. Documentation
11. Everyday Ethics
12. Factors to Teach the Patient

### **WEEK TWO**

#### ***Chapter 46 - The Pregnant Patient and Infant***

##### **Learning Objectives**

1. Describe the oral implications of fetal development in all stages of pregnancy.
2. Identify common oral findings during pregnancy.
3. Recognize the association between periodontal infection and pregnancy.
4. Assess and develop an appropriate care plan for the pregnant patient.
5. Identify considerations that may occur during pregnancy and need for referral.
6. Recognize the importance of infant oral health.
7. Describe anticipatory guidance considerations for infant and caregiver education.
8. Define early childhood caries and recognize methods of bacterial transmission.
9. Describe the components and techniques for conducting an infant oral examination.

##### **Chapter Outline**

1. Introduction
2. Fetal Development
3. Oral findings During Pregnancy
4. Aspects of Patient Care
5. Patient Instruction
6. Special Problems Requiring Referral
7. Transitioning from Pregnancy to Infancy
8. Infant Oral Health

9. Documentation
10. Everyday Ethics
11. Factors to Teach the Patient

### ***Chapter 47 - The Pediatric Patient***

#### **Learning Objectives**

1. Describe the specialty of pediatric dentistry.
2. Discuss the use of a caries risk assessment tool to identify an individual patient's risk and preventive factors.
3. Identify age-appropriate anticipatory guidance/counseling factors to educate parents/caregivers of toddlers, school-aged children, and adolescents.
4. Identify preventive and therapeutic oral healthcare interventions based on age and caries risk assessment.
5. Discuss oral health home care needs, adjunct aids, and continuing care recommendations for children.

#### **Chapter Outline**

1. Pediatric Dentistry
2. The Child as a Patient
3. Patient management Considerations
4. Components of the Dental Hygiene Visit
5. Periodontal Risk Assessment
6. Anticipatory Guidance
7. Treatment Planning and Consent
8. Documentation
9. Everyday Ethics
10. Factors to Teach the Patient

### ***Chapter 49 - The Patient with a Cleft Lip and/or Palate***

#### **Learning Objectives**

1. Describe the types of cleft lip and palate that result from developmental disturbances.
2. Identify and describe the role of the professionals on the interdisciplinary team for the treatment of a patient with cleft lip and/or palate.
3. Recognize the oral characteristics a patient with cleft lip and/or palate may experience.
4. Explain how to adapt the dental hygiene appointment sequence for a patient with cleft lip and/or palate.

#### **Chapter Outline**

1. Classifications of Clefts
2. Etiology
3. General Physical Characteristics
4. Oral Characteristics
5. Treatment
6. Dental Hygiene Care
7. Documentation
8. Everyday Ethics
9. Factors to Teach the Patient

## **WEEK THREE**

### ***Chapter 48 - The Older Adult Patient***

#### **Learning Objectives**

1. Describe physiologic and cognitive changes associated with aging.
2. Explain common chronic conditions associated with aging.
3. Identify common oral changes associated with aging.
4. Demonstrate best practices for communicating with the older adult patient.
5. Explain and document the dental hygiene process of care for the older adult patient.

#### **Chapter Outline**

1. Aging
2. Normal Physiologic Aging
3. Pathology and Disease
4. Chronic Conditions Associated with Aging
5. Oral Changes Associated with Aging
6. Dental Hygiene Care for the Older Adult Patient
7. Documentation
8. Everyday Ethics
9. Factors to Teach the Patient

### ***Chapter 30 – Care of Dental Prosthesis***

#### **Learning Objectives**

1. Identify the causes and prevention of tooth loss.
2. Describe the anatomic features of an edentulous oral cavity.
3. Describe the types and components of fixed and removable oral prostheses.
4. Describe the methods for marking a denture for permanent identification
5. Develop and individualized patient oral self-care regimen for fixed and removal prostheses.
6. Provide a careful evaluation of an oral prosthesis to include clinical examination of the prosthesis, related soft tissue, and patient concerns.
7. Explain the causes and prevention of denture-induced oral lesions
8. List the steps to provide professional cleaning of fixed and removable prostheses.

#### **Chapter Outline**

1. Missing Teeth
2. The Edentulous Mouth
3. Purpose for Wearing a Fixed or Removable Prosthesis
4. Fixed Partial Denture Prostheses
5. Removable Partial Denture Prostheses
6. Complete Denture Prosthesis
7. Complete Overdenture Prostheses
8. Obturator
9. Denture Marking for Identification
10. Professional Care Procedures for Fixed Prostheses
11. Patient Self-Care Procedures for Fixed Prostheses
12. Professional Care Procedures of Removable Partial Prosthesis
13. Patient Self-Care Procedures for Removable Partial Prostheses
14. Professional Care Procedures for Complete Dentures

15. Patient Self-Care Procedures for the Complete Denture
16. Denture-Induced Oral Mucosal Lesions (OML)
17. Documentation
18. Everyday Ethics
19. Factors to Teach the Patient

## **WEEK FOUR**

### ***Chapter 51 - The Patient with a Disability***

#### **Learning Objectives**

1. Describe the purpose of the Americans with Disability Act.
2. Identify and define key terms and concepts relating to individuals with disabilities.
3. Identify risk factors for oral disease associated with disabling conditions.
4. Describe factors that enhance the prevention of oral disease for individuals with disabilities and their caregivers.
5. Explain procedures and factors that contribute to safe and successful management of individuals with disabilities during dental hygiene care.
6. Outline a plan for continuing care for a patient with a disability.

#### **Chapter Outline**

1. Disabilities Overview
2. Barrier-Free Environment Risk Assessment Oral Disease Prevention and Control
3. Patient Management
4. Wheelchair Transfer
5. Instruction for Caregivers
6. Group In-Service Education
7. The Dental Hygienist with a Disability
8. Documentation
9. Everyday Ethics
10. Factors to Teach the Patient and Caregiver

### ***Chapter 52 – Neurologic Disorders & Stroke***

#### **Learning Objectives**

1. Identify and define key terms and concepts related to physical impairment
2. Describe the characteristics, occurrence, and medical treatment of a variety of physical impairments.
3. Identify oral factors and findings related to physical impairments
4. Describe modifications for dental hygiene care based on assessment of needs specific to a patient's physical impairment.

#### **Chapter Outline**

1. Neurologic Disorders Associated with Physical Disability
2. Other Conditions that Limit Physical Ability
3. Spinal Cord Injury
4. Cerebrovascular Accident (Stroke)
5. Bell's Palsy (Idiopathic Temporary Facial Paralysis)
6. Amyotrophic Lateral Sclerosis

7. Parkinson's Disease
8. Postpolio Syndrome
9. Cerebral Palsy
10. Muscular Dystrophies
11. Myelomeningocele
12. Arthritis
13. Summary of Considerations for Dental Hygiene Care
14. Documentation
15. Everyday Ethics
16. Factors to Teach the Patient

## **WEEK FIVE**

### ***Chapter 50 – The Patient with a Neurodevelopmental Disorder***

#### **Learning Objectives**

1. Define and describe neurodevelopmental disorders.
2. Give examples of the characteristics, oral findings, and health problems significant for providing dental hygiene care for patients with:
  - a. Intellectual disability
  - b. Down syndrome
  - c. Autism spectrum disorder
3. Recognize adaptations necessary for providing dental hygiene care for a patient with a neurodevelopmental disorder.

### ***Chapter 58 - The Patient with a Mental Disorder***

#### **Learning Objectives**

1. Describe the various types of mental health disorders and major symptoms.
2. Summarize the side effects of treatment for mental health disorders that may have oral health implications.
3. Explain dental hygiene treatment considerations for each major category for mental health disorder.

#### **Chapter Outline**

1. Overview of Mental Disorders
2. Anxiety Disorders
3. Depressive Disorders
4. Bipolar Disorder
5. Feeding and Eating Disorders
6. Schizophrenia
7. Mental Health Emergency
8. Documentation
9. Everyday Ethics
10. Factors to Teach the Patient

## **WEEK SIX**

### ***Chapter 32 – The Patient with Nicotine Use Disorders***

#### **Learning Objectives**

1. Recognize the health hazards associated with tobacco use.
2. Identify components of tobacco products.
3. Identify various alternative tobacco products.
4. Explain various mechanisms for nicotine delivery.
5. Describe the metabolism of nicotine.
6. Recognize the oral manifestations of tobacco use.
7. Recognize the effects of environmental tobacco smoke (ETS).
8. Assess and develop a dental hygiene care plan for the patient who uses tobacco.
9. Recognize protocols for developing a tobacco cessation program.
10. Identify the pharmacotherapies and behavioral therapies used for treatment of nicotine addiction.

#### **Chapter Outline**

1. Health Hazards and Current Trends
2. Components of Tobacco Products and Tobacco Smoke
3. Metabolism of Nicotine
4. Alternative tobacco Products
5. Systemic Effects
6. Environmental Tobacco Smoke
7. Prenatal and Children
8. Oral Manifestations of Tobacco and Nicotine Use
9. Tobacco and Periodontal Infections
10. Nicotine Addiction
11. Treatment
12. Pharmacotherapies Used for Treatment of Nicotine Addiction
13. Nicotine-Free Therapy
14. Dental Hygiene Care for the Patient Who Uses Tobacco
15. Assessment
16. Clinical Treatment Procedures
17. Tobacco Cessation Program
18. Motivational Interviewing
19. The “5 A’s”
20. The Team Approach
21. Advocacy
22. Documentation
23. Everyday Ethics
24. Factors to Teach the Patient

### ***Chapter 59 - The Patient with a Substance Related Disorder***

#### **Learning Objectives**

1. Explain key terms and concepts related to the metabolism, intoxication effects, and use patterns of alcohol.
2. Identify physical health hazards, medical effects, and oral manifestations associated with alcohol an substances of abuse.

3. Interpret names of the most commonly abused drugs and describe their intoxication effects and methods of use.
4. Discuss modifications for the dental hygiene process of care for patients who are chemically dependent. Recognize patients who are cognitively impaired and cannot be treated in a safe manner.

#### Chapter Outline

1. Introduction
2. Alcohol Consumption
3. Metabolism of Alcohol
4. Health Hazards of Alcohol
5. Fetal Alcohol Spectrum Disorders
6. Alcohol Withdrawal Syndrome
7. Treatment for AUD
8. Abuse of Prescription and Street Drugs
9. Risk Management for Prescription Drugs of Abuse
10. Most Common Drugs of Abuse
11. Medical Effects of Drug Abuse
12. Treatment Methods
13. Dental Hygiene Process of Care
14. Documentation
15. Everyday Ethics
16. Factors to Teach the Patient

## **WEEK SEVEN**

### ***Chapter 14 - Family Violence***

#### Learning Objectives

1. Describe the general, extraoral, and intraoral signs of child abuse and neglect.
2. Describe the general, physical, extraoral, and intraoral signs of elder abuse and neglect.
3. Discuss the signs and attitudes of the abused in an intimate partner violent situation.
4. Discuss the role of the dental hygienist in reporting suspected abuse or neglect of children, elders, and intimate partners.
5. Discuss Munchausen syndrome by proxy and describe indicators associated with the syndrome.
6. Describe the general and behavioral indicators of human trafficking victims.

#### Chapter Outline

1. Family Violence
2. Child Abuse and Neglect
3. Munchausen Syndrome by Proxy
4. Human Trafficking
5. Elder Abuse and Neglect
6. Intimate Partner Violence
7. Reporting Abuse and/or Neglect
8. Forensic Dentistry
9. Documentation
10. Everyday Ethics

## 11. Factors to Teach the Patient

### ***Chapter 4 – Dental Hygiene Care in Alternative Settings***

#### **Learning Objectives**

1. Identify and define key terms and concepts related to oral health care in alternative settings.
2. Identify materials necessary for providing dental hygiene care in alternative settings.
3. Plan and document adaptations to dental hygiene care plans and oral hygiene instructions for the patient who is residence-bound, bedridden, unconscious, or terminally ill.

#### **Chapter Outline**

1. Alternative Practice Settings
2. Residence-Bound Patients
3. Dental Hygiene Care
4. The Critically ill or Unconscious Patient
5. The Terminally Ill Patient
6. Documentation
7. Everyday Ethics
8. Factors to Teach the Patient
9. Factors to Teach the Caregiver

## **WEEK EIGHT**

### ***LRCC Group Case Study Presentations***

## **WEEK NINE**

### ***VWCC Group Case Study Presentations***

## **WEEK TEN**

### ***Healthcare Professional Interview Presentations***