

Reviewed by: S. Jennings
Reviewed by: S. Eastman
Reviewed by: D. Champion
Reviewed by: K. Donovan
Reviewed by: E. Hershkowitz
Date Reviewed: Spring 2016
Text Update: 2013
C&GE approved: May 09, 2016

Dental Hygiene (DNLT) 2025 Patient Management and Geriatrics (2 Units) CSU
[formerly Dental Hygiene 23]

Prerequisite: Successful completion of all first semester Dental Hygiene Program courses.

Total Hours: 32 hours lecture

Catalog Description:

This course teaches characteristics, motivation and management of individual patients, and interpersonal communication. Treatment of the compromised patient and myofunctional therapy is presented. This course teaches the Dental Hygiene student how to effectively and compassionately treat patients with special needs according to each of their individual needs. Specific diseases, disorders, and disabilities are studied in depth to gain a working knowledge of how to treat these patients in the scope of dental hygiene care and prevention.

Type of Class/Course: Degree Credit

Text:

Wilkins, Esther M. *Clinical Practice of the Dental Hygienist. 11th ed.* Baltimore: LWW, 2013. Print.

Additional Materials: None

Course Objectives:

By the end of the course, a successful student will be able to:

1. assess the needs of patient having special needs with attention to general health status, physical and cognitive capabilities, emotional, vocational, economic, and social issues as well as oral problems,
2. understand the interrelationship between oral conditions and systemic diseases,
3. identify the special needs patient by analyzing data and apply proper dental hygiene care,
4. implement special needs care for all aspects and process of oral hygiene care for patients with specific needs,
5. continually evaluate each step of the dental hygiene interventions making sure they are consistent with the patients' capabilities,
6. demonstrate how to assess, plan, implement and monitor the patient's oral health status,
7. educate and motivate both patient and caregiver in proper oral hygiene care for patients with special needs

Course Scope and Content:

- Unit I Introduction to the Care of Patients with Special Needs
- A. Identify patients with special needs
 1. Understand the necessity for treatment derivation with patients with special needs
 2. Identify and define key terms and concepts regarding patients with special needs
 - B. The patient with thyroid disease
 1. Identify and define key terms and concepts related to thyroid disease

2. Describe the characteristics, complications, occurrence, and medical treatment of a thyroid disease
3. Identify oral factors and findings related to physical impairments
4. Modify a dental hygiene care plan based on assessment of needs that are specific to a patient's physical impairment

- Unit II The Elderly Patient
- A. Identify and define key terms and concepts related to aging
 - B. Identify physical, general health, and oral health changes that are characteristic of aging
 - C. Describe the effects of osteoporosis and Alzheimer disease on oral health status
 - D. Describe dental hygiene interventions and health education approaches that enhance the oral health of the elderly patient
- Unit III Edentulous Patient
- A. Identify and define key terms and concepts related to an edentulous patient
 - B. Identify potential adverse effects of dental prostheses on oral tissues
 - C. Plan dental hygiene interventions that address patient needs before and after insertion of a denture
 - D. Identify criteria and procedures for marking dentures
- Unit IV The Patient with a Cleft Lip and/or Palate
- A. Identify and define key terms and concepts related to oral/facial clefts
 - B. Identify prenatal risk factors and developmental time frame for oral/facial clefts
 - C. Describe treatment for oral/facial clefts
 - D. Use knowledge of the oral, physical and personal characteristics of the patient to plan dental hygiene care and oral hygiene instructions
- Unit V Care of Patients with Disabilities
- A. Identify and define key terms and concepts relating to individuals with disabilities
 - B. Identify oral conditions caused by or resulting from disabling conditions.
 - C. Describe procedures and factors that contribute to safe and successful dental hygiene treatment for individuals with disabilities
 - D. Describe factors that enhance the prevention of oral disease for individuals with disabilities and their caregivers.
- Unit VI The Patient with a Physical Impairment
- A. Identify and define key terms and concepts related to physical impairment
 - B. Describe the characteristics, complications, occurrence and medical treatment of a variety of physical impairments
 - C. Identify oral factors and findings related to physical impairments
 - D. Modify a dental hygiene care plan based on assessment of needs that are specific to a patient's physical impairment
- Unit VII The Patient with a Seizure Disorder
- A. Identify and define key terms and concepts related to seizure disorders
 - B. Identify cause, classifications, clinical manifestations and emergency management of seizures.
 - C. Discuss oral considerations related to management of seizures
 - D. Plan dental hygiene care for a patient with a history of seizure disorder
- Unit VIII The Patient with a Substance-Related Disorder
- A. Identify and define key terms and concepts related to alcohol and drug use.
 - B. Identify physical and behavioral factors associated with alcohol and drug use

- C. Describe health-related effects of alcohol and drug use, abuse and withdrawal
- D. Plan dental hygiene care for the patient with a substance-related disorder

Unit IX The Patient Who Uses Tobacco

- A. Identify and define key terms and concepts related to the use of tobacco.
- B. Explain the systemic and oral effects of tobacco use
- C. Describe the effects of nicotine addiction
- D. Describe strategies for tobacco cessation
- E. Plan dental hygiene care and tobacco cessation interventions for patients who use tobacco
- F. Identify the role of the community based dental hygienist in tobacco-free initiatives

Unit X The Patient with a Respiratory Disease

- A. Identify and define key terms and concepts related to respiratory diseases.
- B. Differentiate between upper and lower respiratory tract diseases.
- C. Describe a variety of respiratory diseases.
- D. Plan dental hygiene care and oral hygiene instructions for patients with compromised respiratory function

Unit XI The Patient with a Mental Disability

- A. Identify and define key terms and concepts related to the patient with a mental disability
- B. Identify the dimensions, intellectual functioning levels, risk factors, and etiologies associated with mental retardation.
- C. Describe the specific characteristics of a person with Down Syndrome and autistic spectrum disorders
- D. Plan modifications necessary for dental hygiene care and effective oral hygiene instruction for persons with mental disabilities

Unit XII Patient with a Psychiatric Disorder

- A. Identify and define key terms and concepts related to psychiatric disorders
- B. Describe the symptoms, treatment, and oral implications of a variety of psychiatric and mood disorders
- C. Plan dental hygiene care and oral health education for a patient with a psychiatric disorder

Unit XIII Family Abuse and Neglect

- A. Identify and define key terms and concepts related to family abuse and neglect
- B. Describe various categories of family maltreatment
- C. Recognize signs and behavioral indicators of abuse
- D. Identify the dental hygienist's role in recognizing and reporting abuse and neglect

Unit XIV The Patient with Cancer

- A. Identify and define key terms and concepts related to the patient with cancer
- B. Identify risk factors for oral cancer
- C. Identify standard cancer treatments and the oral effects of each
- D. Plan dental hygiene care for the cancer patient before, during, and after therapy

Unit XV Patient with a Blood Disorder

- A. Identify and define key terms and concepts related to hematologic conditions.
- B. Recognize blood components and normal reference values.
- C. Describe the causes, symptoms, and oral effects of red and white blood cell disorders, bleeding disorders, and clotting deficiencies.
- D. Plan dental hygiene education and treatment for patients with a blood disorder.

- Unit XVI The Patient with a Cardiovascular Disease
- A. Identify and define key terms and concepts related to cardiovascular disease.
 - B. Describe the cause, symptoms, prevention, and treatment of major cardiovascular diseases.
 - C. Identify clinical considerations and oral health factors related to cardiovascular conditions.
 - D. Plan dental hygiene care for a patient with cardiovascular disease.
- Unit XVII The Patient with Diabetes Mellitus
- A. Identify and define key terms and concepts related to diabetes
 - B. Explain the function and effects of insulin.
 - C. Identify risk factors for diabetes.
 - D. Describe etiologic classifications, signs and symptoms, diagnostic procedures, complications, and common medical treatment for diabetes
 - E. React appropriately in a diabetic emergency
 - F. Explain the relationship between diabetes and oral health
 - G. Plan dental hygiene care and oral hygiene instructions for patients with diabetes

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 4 hours per week outside of the regular class time doing the following:

- 1. Independent reading and study
- 2. Analyzing case studies
- 3. Researching specific diseases

Method of Instruction:

- 1. Lecture
- 2. Class discussions and group assignments
- 3. Audiovisual presentations

Methods of Evaluation:

- 1. Examinations that include:
 - a. Multiple choice questions
 - b. True/false questions
 - c. Case studies