

DEN7319 Dental Care for the Geriatric Patient

Spring 2021

Course Description:

This course will examine clinical topics in geriatric oral medicine, focusing on disease patterns in the elderly, and the interrelationship of multiple diseases in individual older patients.

Comprehensive patient assessment, changes in pharmacokinetics and pharmacodynamics with age will be discussed and how these factors impact your dental care for the geriatric patient.

I. General Information

Course Director:

Course Director: Dr. Allison Sley, DMD
Office: OMFS Administration D7-6F
Email: ASley@dental.ufl.edu
Phone: (352) 273-8717
Course Credits: 1
Semester: Spring

Contributing Faculty

Olga S Luaces	(352) 273-5031	OLuaces@dental.ufl.edu
Danielle Freburg-Hoffmeister	(352) 273-6750	DFreburg-Hoffmeister@dental.ufl.edu

Support Staff

Jennifer A Miller	(352) 273-6720	JMiller@dental.ufl.edu	TA/Grade Administrator
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II. Course Goals

The goal of the curriculum in gerontology and geriatric dentistry is to engender knowledge in dental practitioners in the treatment and management of the older dental patient. The gerontology portion of DEN 5221, Oral Health Management and Psychosocial Issues over the Lifespan, was intended to introduce students to the demographic, social, psychological, and biological aspects of aging. Questions such as "What is it like to grow old?" and "How does the aging process affect our lives, and the lives of our patients?" were explored.

III. Course Overview

This course will examine topics in geriatric oral medicine that are often encountered in managing older dental patients. Successful provision of dental care for medically compromised elders requires an understanding of the underlying medical condition and how modifications in dental treatment may be necessary. Advances in dental and medical care have allowed elders to live longer with more complicated medical problems and retain more of their natural dentition. As a result, increasing numbers of geriatric patients with significant compromising conditions are seeking care from dental practitioners.

Students will be asked to present clinical cases and determine patient clinical consult needs.

IV. Course Outline

- 1. Growing old in America**
 - a. Aging in a youth-oriented society
 - b. Demographic imperative of a rapidly aging population
 - c. Financing dental care/discretionary spending
 - d. Role of government and social support systems
- 2. Medical management of older adults**
 - a. The biology of aging – clinical implications
 - b. Geriatric assessment
 - i. Interdisciplinary approach
 - ii. Assessment of functional reserve
 - c. Overview of common medical problems
 - i. Impact on provision of dental care
- 3. Pharmacologic considerations**
 - a. Polypharmacy – implications for dental practitioners
 - i. Adverse drug reactions; drug interactions; compliance
 - ii. Drug effects on oral and dental health
 - b. Pharmacotherapeutics for common geriatric oral conditions
- 4. Behavioral, psychological and ethical issues**

- a. Bridging the generation gap between patient and provider
 - b. Developing effective communication and rapport
 - c. Care seeking behavior (patients)
 - d. Overcoming ageism (practitioners)
 - e. Informed consent (impaired patients)
- 5. Care for the cognitively and neurologically impaired**
- a. Dementia
 - b. Stroke
- 6. Geriatric dentistry I**
- a. Restorative, prosthodontic procedures
 - i. Root caries; neglected dentitions
 - ii. Treatment planning considerations
 - b. Periodontic, endodontic treatment
 - i. Modifications for geriatric patients
 - c. Preventive care
- 7. Geriatric dentistry II**
- a. Oral surgery issues in geriatric care
- 8. Geriatric Cardiology**
- a. Chronic heart failure,
 - b. Anticoagulant therapy
- 9. Goals of geriatric dental care – principles for practitioners**
- a. Avoid iatrogenesis; avoid fostering learned helplessness
 - b. Differentiate aging from disease
 - c. Analyze risk vs. benefit for various treatment options

V. Course Material

Required texts:

Little J, Falace D, Miller C, Rhodus N., Dental Management of the Medically Compromised Patient, Mosby; 9th Edition, c2017: ISBN 978-0323443555

Recommended texts:

Bates Guide to Physical Examination (10th edition) recommended to review Chapters: 4, 7, 16, 20 (**The Older Adult**), Wolters Kluwer Health/Lippincott Williams & Wilkins, c2017

Yagiela JA and others: Pharmacology and Therapeutics for Dentistry, 7th Edition, Mosby Elsevier, c2017.

Some of these resources are available in E-version:

Dental Lib Guide: <http://guides.uflib.ufl.edu/dental>

VI. Course Objectives

1. Recognize the economic and social implications of a rapidly aging population.
2. Describe the impact on medical and dental care for this demographic change.
3. List two keys to successful assessment of the geriatric patient.
4. Define ageism and the consequences for health care provision
5. Give examples of medically compromised conditions that can impact on the provision of dental care for the elderly
6. Formulate a strategy for communication with a cognitively impaired patient.
7. Describe differences in restoration of coronal and root caries.
8. List important factors necessary to restore a mutilated dentition.
9. Describe three adaptive dental aids for the stroke-impaired patient.
10. List differences in dental/medical management of the Alzheimer's vs. multi-infarct demented patient.
11. Discuss critical aspects of medical risk assessment in the geriatric oral surgery patient.
12. Recognize the dental implications of the most often prescribed drugs in the geriatric population.
13. List approaches to management of selected drug induced oral conditions.
14. Explain how gaining endodontic access in geriatric dentitions may be different.
15. Develop a rationale for non-surgical management of chronic periodontitis.
16. List three examples of iatrogenesis in geriatric patients.
17. Recognize the dental implications of treating geriatric patients with cardiovascular conditions.
18. Identify dental management risk factors for patients on anticoagulant therapy.
19. Present clinical cases and determine patient clinical consult needs.

VII. Course Competencies

This course teaches the following competencies in the ["Competencies for the New Dental Graduate"](#).

Domain I: Critical Thinking

- 3: Apply biomedical science knowledge in the delivery of patient care.

Domain II: Professionalism

- 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.

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.

VIII. Evaluation

Evaluation will consist of:

- (1) Midterm exam consisting of short answer and MCQ
- (2) Final exam consisting of case-based treatment plans and medical consults

Assigning Grades

Grade weights:

Midterm quiz	50%
Final	50%

Remediation:

If a student fails this course they must meet with the Course Director. A written and/or oral exam will be administered to determine if remediation has been obtained by the course director.

Honorlock:

Honorlock will proctor your exams this semester. Honorlock is an online proctoring service that allows you to take your exam from the comfort of your home. You DO NOT need to create an account, download software or schedule an appointment in advance. Honorlock is available 24/7 and all that is needed is a computer, a working webcam, and a stable Internet connection. To get started, you will need Google Chrome and to download the Honorlock Chrome Extension. You can download the extension at www.honorlock.com/extension/install.

When you are ready to test, log into the LMS, go to your course, and click on your exam. Clicking Launch Proctoring will begin the Honorlock authentication process, where you will take a picture of yourself, show your ID, and complete a scan of your room. Honorlock will be recording your exam session by webcam as well as recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it's on a secondary device. Good luck! Honorlock support is available 24/7/365. If you encounter any issues, you may contact us by live chat, phone (844-243-2500), and/or email (support@honorlock.com. If you encounter issues within the LMS, you may contact Your School's Online Support Services team at their number.

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

DEN7319 Grade Scale

Method	Letter Grade
Scale	100
Tolerance	0.5 (Final letter grades within this range will be rounded up.)
A	96 - 100
A-	92 - 96
B+	88 - 92
B	84 - 88
B-	80 - 84
C+	76 - 80
C	72 - 76
E	0 - 72