

SYLLABUS

COURSE: DHBS 4302 Clinical Seminar III
SEMESTER: Fall
CREDIT HOURS: 2.0

REVISED: 2009
REPRINTED: 2009

COURSE DIRECTOR: Holly C. Rice, R.D.H., M.Ed.

GOAL

This course is designed to provide the student with information of additional assessment, clinical and patient management skills. The student will have the opportunity to apply techniques presented in lecture to increase his/her clinical proficiency. The course will emphasize the assessment and management of patients with special needs, as well as provide information on advanced instrumentation, nutritional counseling, dental implants, diagnostic technologies, sutures and oral piercings.

OBJECTIVES

Given lecture, textbook, and instructional handouts, the students shall perform to the following performance objectives at a minimum of a 75% level.

I. PATIENT ASSESSMENT AND TREATMENT PLANNING

1. Discuss how various factors influence planning for special patient care, including:
 - a. chief complaint
 - b. past and present systemic disease
 - c. personal, social, and economic history
 - d. dental history
 - e. present oral disease processes

2. Given the personal and medical/dental history of a patient requiring a medical consultation, write an appropriate medical consultation inquiry.

2. Describe dental management issues and necessary alterations to dental hygiene treatment associated with the following special needs patients:
 - a. pregnant patient
 - b. pediatric patient
 - c. cleft lip and/or palate patient
 - d. preadolescent and adolescent patient
 - e. postmenopausal patient
 - f. geriatric patient
 - g. edentulous patient
 - h. oral and maxillofacial surgery patient
 - i. cancer patient
 - j. disabled patient
 - k. homebound or bedridden patient
 - l. physically impaired patient
 - m. sensory impaired patient
 - n. abused/neglected patient
 - o. patient with a seizure disorder
 - p. mentally challenged patient
 - q. patient with a mental or emotional disorder
 - r. patient with an alcohol-related disorder
 - s. patient with respiratory disease
 - t. patient with cardiovascular disease
 - u. patient with blood disorder
 - v. patient with diabetes mellitus
 - w. patient with immune system dysfunction
 - x. patient with salivary dysfunction

4. Given medical history and current oral condition information of the patient, treatment plan dental hygiene services for any given special needs patient.

5. Given current medical and dental information about your special needs patient, identify the appropriate interval between maintenance appointments.

II. ADVANCED INSTRUMENTATION

1. Describe how periodontal debridement should be completed for best results to nonsurgical periodontal therapy by the patient.
2. Distinguish between the design characteristics of various hand instruments, including the O'Hehir debridement curets and diamond files.
3. Describe the use of the endoscope with instrumentation.
4. Describe the use of the Florida Probe.
5. Describe the use of the PDT Sensor Probe.
6. Describe the use of the Detectar.
7. Describe the use of the Diagnodent.
8. Describe the use of the D-Carie.
9. Given a description of a patient's physical and oral condition, identify an appropriate sequence of instrument use.

III. DENTAL IMPLANTS

1. Define an implant.
2. Define a dental implant.
3. Recognize factors that enhance the success of a dental implant.
4. Identify patients that are not good candidates for dental implants.
5. Describe different types of dental implants.
6. Describe what types of patients benefit from implants and how they are selected.
7. Describe different implant interfaces.
8. Recognize various plaque control measures to teach the patients with dental implants.
9. Identify plaque control aids that would be used on titanium dental implants.
10. Describe dental hygiene treatment procedures, including instrument use, that are appropriate in treatment planning for a dental implant patient.

IV. PLACEMENT AND REMOVAL OF SUTURES

1. State the purpose for placing sutures.
2. Identify the different types of suture material.
3. Identify the instruments necessary for placement and removal of sutures.
4. Identify common suturing techniques and when they are used.

5. Identify and demonstrate the acceptable technique for removal of sutures.
6. State or identify home care instructions after placement and removal of sutures.

V. ORAL/FACIAL PIERCINGS

1. Identify post operative instructions for the oral/facial pierced patient.
2. Identify signs and symptoms of normal and abnormal post operative healing.
3. Describe procedures for cleaning oral/facial pierce jewelry of patients.

VI. ORAL COMPLICATIONS OF CANCER THERAPIES

1. Name the first and second leading causes of death in adults and in children.
2. Identify at what risk a person out of the general population is for having cancer in his or her lifetime.
3. List risk factors related to cancer.
4. Describe the terms neoplastic, anaplastic and metastatic in relation to cancer.
5. Describe osteoradionecrosis and the affect it has on dental hygiene treatment planning.
6. List acute effects of radiotherapy.
7. List delayed effects of radiotherapy.
8. Identify the most common oral effect of chemotherapy.
9. Given the dates a chemotherapy patient will receive chemotherapy treatments, develop an appropriate schedule of appointments for dental hygiene treatment.
10. Describe the preventive oral care that should be provided by the dental health team for a cancer patient prior to his or her cancer therapy.
11. Describe the use of acupuncture as an adjunct to cancer therapies.

VII. HIV/AIDS AND ORAL MANIFESTATIONS

1. Describe the routes of transmission of HIV/AIDS.
2. Identify individuals at high risk.
3. State the incidence and prevalence of HIV/AIDS.
4. Describe the occupational exposure rate for HIV infection.
5. Describe oral lesions associated with HIV infection.
6. Describe and be able to recognize clinically Kaposi's sarcoma.

RESOURCES

I. Required texts

- A. Monograph (available at the UTDB Bookstore)
- B. *Dental Management of the Medically Compromised Patient*, Drs. James Little, Donald Falace, Craig Miller and Nelson Rhodus, Mosby, Inc. St. Louis, Mo., 7th Edition, 2008.
- C. *Clinical Practice of the Dental Hygienist*, Wilkins, E.M., Lippincott, Williams & Wilkins Baltimore, MD, 9th edition, 2005.
- D. *Dental Hygiene Concepts, Cases, and Competencies*, Daniel, S.J. and Harfst, S.A., Mosby, Inc., St. Louis, MO., 2004.
- E. *Fundamentals of Periodontal Instrumentation*, Nield-Gehrig, Jill S., Lippincott Williams & Wilkins, Baltimore, Maryland, 5th Edition, 2004.
- F. *The University of Texas Health Science Center at Houston Dental Branch Clinic Operations and Procedures Manual*
- G. *The School of Dental Hygiene 2009-2010 Student Handbook* referred to as the *Student Handbook* "Clinic Procedure Checklist" which is found in the Student Handbook.
- H. *Oral Lesions: An illustrated quick reference guide to diagnosis and treatment*, by Drs. Chas Dunlap & B.F. Barker, Colgate/Hoyt Lab.; latest edition.
- I. *Drug Information Handbook for Dentistry*, Lexi-Comp, latest edition

II. Human resources

Holly C. Rice, R.D.H., M.Ed.
Phone: 713-500-4398, Room 1.085 C
Email: Holly.C.Rice@uth.tmc.edu

Office hours: The student is invited to make an appointment with the instructor at a mutually convenient time.

STUDY PLAN AND REQUIREMENTS

Grading Components

This course grade consists of two examinations during the semester, the comprehensive final exam, self-assessments/reflective blog, an oral presentation and unannounced quizzes. Make-up examinations are given at the end of finals week, as scheduled by Academic Affairs. Missed quizzes are averaged with other quizzes using the grade of "0". The student will know these goals have been successfully met if he/she earns a final course grade of "C" or higher.

Clinic Journal/Blog

You will reflect on your clinic experiences using a Web-based tool such as a blog. A guiding question will be posted each week in BlackBoard to guide your self-assessment and reflection. You are required to post to your blog by Friday of each week of the fall semester. Weekly blog entries are required to fulfill this portion (self-assessment) of your grade.

Case study/portfolio

The student will be required to maintain a patient case study/portfolio on one patient he/she treats in the dental hygiene clinic. The student will present a portion of the clinical case to the class. The following information must be recorded in the portfolio for the patient:

1. Vital Statistics – Age, Ethnicity, Sex, Occupation, and Socioeconomic Status
2. Copy of dental charting
 1. Copy of periodontal charting
 2. Copy of treatment plan
3. Notes of radiographic findings
4. Notes of specific recommendations of dental preventive measures
5. Notations of any psychosocial implications
6. Comments on prognosis of dental conditions

Attendance

A student who plans to succeed in this course should plan to attend all sessions regularly and promptly. Absence of any part of a class period will constitute an absence of the entire class time. In the event you are unable to attend class as scheduled, it is your responsibility to notify the instructor, Mrs. Rice, at 713-500-4398, Holly.C.Rice@uth.tmc.edu and the Dental Hygiene Department Secretary, Ms. Magee at 713-500-4086 Kimberley.Magee@uth.tmc.edu by 8:30 am. If no one is available to answer your call, leave a voice mail message.

Class Times

Class times are on Tuesdays, 3:00– 4:50 pm. Please see the Dental Hygiene Student Schedule (calendar) for times and room assignments.

DHBS 4302 CLINICAL SEMINAR III
2009 Fall Semester Lecture Schedule

Dates and/or guest speakers may change depending on availability.
 Session time: Tuesdays, 3:00– 4:50 pm; Room B14 with exceptions

Date	Lecture Session	Assignment
Aug 18	Introduction to Clinical Seminar III Medical History Update	Clinic Syllabus
Aug 25	Evaluation (Re-assessment) Anesthesia Ms. Wetmore	Wilkins Ch 44, Daniel & Harfst Ch 46 Wilkins Ch 35, D & H Ch 36
Sep 1	Instrumentation Review – Selective Scaling, Root Planing & Debridement	Wilkins Ch 42, 37 Nield-Gehrig pp. 473-481, 564-580
Sep 8	Pedodontics: Patient Management	Ch 46, 48; Handout
Sep 15	Exam Room 132	
Sep 22	Diagnostic Technologies	Handout
Sep 29	Implants: Patient Education and Instrument Selection	Wilkins Ch 30, D & H pp. 493, 495-497
Oct 6	Placement/Removal of Sutures Oral/Facial Piercing	Wilkins Ch 53 - 56 Handout
Oct 13	Review	
Oct 20	Exam 2 Room 207	
Oct 27	Care of Patients with Disabilities	Wilkins pp 37-45 D & H pp 725-728 Handout
Nov 3	Oral Manifestations of HIV/AIDS	Wilkins Ch 40
Nov 10	Oral Complications of Cancer Therapies	Wilkins Ch 52; Little Ch 21
Nov 17	Group Presentations	<i>Dental Management of the Medically Complex Patient</i> ; Little, Falace, Miller, Rhodus
Nov 24	Group Presentations	<i>Dental Management of the Medically Complex Patient</i> ; Little, Falace, Miller, Rhodus
Dec 1	Group Presentations Review for final Course Evaluation	<i>Dental Management of the Medically Complex Patient</i> ; Little, Falace, Miller, Rhodus
Dec 8 9-11:00 am	Final Exam Room 340	

EVALUATION METHODS

The final grade for the course will be figured as follows:

Self-assessments/reflective blog	5%
Portfolio/Case study	5%
Oral presentation	10%
Unannounced quizzes/Exercises	20%
Exam #1	20%
Exam #2	20%
Final Exam	20%

Grading scale is as follows:

93 – 100	A
84 – 92	B
75 – 83	C
0 – 74	F