

SYLLABUS

COURSE: DHCT 3302 Clinical Seminar III
SEMESTER: Fall
CREDIT HOURS: 2.0

REVISED: 2005
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COURSE DIRECTOR: Jayne McWherter, 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 risk management in dentistry and dental hygiene, nutritional counseling, application of chemotherapeutic agents, amalgam finishing/polishing/margination, dental implants, and sutures and 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.
3. 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. Differentiate among the various ultrasonic insert tips and their proper adaptation.
4. Describe the use of the endoscope with instrumentation.
5. Given a description of a patient's physical and oral condition, identify an appropriate sequence of instrument use.

III. NUTRITIONAL COUNSELING

1. Describe daily dietary requirements.
2. Identify nutritional deficiencies in oral tissue conditions.
3. Describe the role of cariogenic foods in a diet.
4. Analyze a food diary for cariogenic activity and nutritional deficiencies.
5. Analyze a patient's food diary and present specific dietary recommendations to the patient.

IV. RISK MANAGEMENT

1. List two areas of civil actions.
2. Describe the four areas that must be addressed by the plaintiff in a tort action.
3. Describe what constitutes "contributory negligence" by a patient.
4. Describe must be present to support a patient's claim of "patient abandonment".
5. Identify what should be noted in a dental record.
6. Analyze a dental record for appropriate documentation, noting entries incorrectly done as well as areas needing improvement.

V. APPLICATION OF CHEMOTHERAPEUTIC AGENTS

1. Define chemical plaque control.
2. Discuss the advantages and disadvantages of chemical plaque control.
3. Identify the procedure for utilizing chemical plaque control in our clinic.
4. Discuss the advantages and disadvantages of the various chemical plaque control agents.
5. Discuss the advantages and disadvantages of chlorhexidine.
6. Prepare a prescription for a patient needing chlorhexidine (Peridex).

VI. AMALGAM FINISHING/POLISHING

1. Identify the differences between finishing and polishing amalgams.
2. Identify the purpose for polishing amalgams.
3. Identify the proper armamentarium for amalgam polishing and why each instrument/material is used.
4. Identify the proper procedure for amalgam polishing and the rationale for each step.
5. Identify the precautions which should be taken during amalgam polishing.
6. Identify or describe the appearance of the amalgam after completion of polishing.

VII. AMALGAM FINISHING/MARGINATION

1. Define margination.
2. Recognize the importance of properly contoured restorations, including smooth margins, open embrasures, proximal contacts, and curved proximal contours.
3. State or identify three goals of margination.
4. Identify methods for detecting excess margins.
5. Identify the indications and contraindications for margination.
6. Identify armamentarium for margination.
7. Identify the function and use of instruments used in overhang removal.
8. Identify the advantages, limitations, and precautions for the use of each instrument.

VIII. 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.

IX. PLACEMENT AND REMOVAL OF SUTURES

1. State the purpose for placing sutures.
2. Identify the different types of suture material.
3. Identify the three basic parts of the suture needle and the various types of each part.
4. Identify the instruments necessary for placement and removal of sutures.
5. Identify common suturing techniques and when they are used.
6. Identify and demonstrate the acceptable technique for removal of sutures.
7. State or identify home care instructions after placement and removal of sutures.

X. 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.

XI. 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.

XII. 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. *Clinical Practice of the Dental Hygienist*, Wilkins, E.M., Lippincott, Williams & Wilkins
Baltimore, MD, 9th ed, 2005.
- B. *Dental Hygiene Concepts, Cases, and Competencies*, Daniel, S.J. and Harfst, S.A., Mosby,
Inc., St. Louis, MO., 2004.
- C. *Fundamentals of Periodontal Instrumentation*, Nield-Gehrig, Jill S., Lippincott Williams &
Wilkins, Baltimore, Maryland, 4th Edition, 2000.
- D. *The University of Texas Health Science Center at Houston Dental Branch Clinic Operations
and Procedures Manual*
- E. *The School of Dental Hygiene 2005-2006 Student Handbook* referred to as the *Student Handbook*
"Clinic Procedure Checklist" which is found in the Student Handbook.
- F. *Oral Lesions: An illustrated quick reference guide to diagnosis and treatment*, by Drs. Chas
Dunlap & B.F. Barker, Colgate/Hoyt Lab.; latest edition.
- G. *Dental Drug Reference*, Dr. T. W. Gage and F. A. Pickett, RDH, MS, Mosby-Year Book, Inc.
6th edition, 2003.

II. Human resources

Jayne McWherter, R.D.H., M.Ed.

Phone: 713-500-4399, Room 1.085 H

Email: Jayne.A.McWherter@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, 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.

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, Ms. McWherter, at 713-500-4399, and the Dental Hygiene Department Secretary at 713-500-4086 by 8:30 am. If no one is available to answer your call, leave a voice mail message.

DHCT 3302 CLINICAL SEMINAR III

Class times are on Tuesdays, 10:00 am – 11:50 am. Please see the Dental Hygiene Student Schedule (calendar) for times and room assignments.

The fall semester lecture and exam schedule will be handed out to the students at the beginning of the semester.

EVALUATION METHODS

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

Self-assessments	10%
Oral presentation	10%
Unannounced quizzes	20%
Exam #1	20%
Exam #2	20%
Final Exam	20%

Grading scale is as follows:

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