COURSE OUTLINE
DHT 2056
Clinic III
6 Credit Hours

Course Description

This course builds upon and expands the clinical skills developed in Dental Hygiene Clinic I and II while providing opportunities for direct patient care under instructor supervision. In addition to the foundational skills developed in previous clinic courses, students will implement advanced instrumentation techniques and procedures and prepare individualized comprehensive dental hygiene care plans to meet the needs of clinical patients.

Prerequisite(s)

Successful completion of the first year of the dental hygiene program with a grade of C or higher in all courses and a cumulative GPA of 2.5 or higher.

Purpose of Course

To provide a continuation in developing and refining the theories, principles, and procedures involved in comprehensive dental hygiene patient care while applying problem-solving and decision-making skills that are driven by evidence-based dentistry.

Required Materials

Textbook(s):
- Instrument Kit

Learning Outcomes

The intention is for the student to be able to:

1. Utilize previously learned skills and knowledge gained in the Clinic I and Clinic II courses and expand upon them to establish higher levels of clinical competency
2. Utilize theories, principles, and procedures to provide comprehensive dental hygiene patient care while also applying problem-solving and decision-making skills using evidence-based dentistry
3. Perform and provide advanced instrumentation, detailed patient interaction, and individualized patient care components and adjunctive therapies
Course Competencies
Actions that are essential to achieve the learning outcomes:
1. Describe the indications, contraindications, advantages, and disadvantages of utilizing air powder polishing and demonstrate the ability to discuss these factors with the patient (PC1-13).
2. Discuss and demonstrate the proper technique when utilizing air powder polishing (PC1-13).
3. Evaluate the effectiveness of air powder polishing (PC1-13).
4. Discuss the indications for using dental hygiene files, chisel, and hoe (PC1-13).
5. Demonstrate the proper technique for utilizing various dental hygiene files on patients with heavy calculus (PC1-13).
6. Discuss the indications and contraindications for utilizing local drug delivery agents on periodontally-involved patients (PC1-13).
7. Demonstrate proper patient selection and technique for delivery local drug agents to periodontally-involved patients (PC1-13).
8. Explain the purpose of the PSR Periodontal Screening and discuss the advantages and disadvantages of using the screening during the periodontal examination (PC1-13).
9. Discuss the various codes utilized in the PSR and describe their effects on patient assessment and treatment planning (C1-6, HP1-5, PC1-13).
10. Describe the process of caring for an edentulous or partially-edentulous patient with a removable appliance (C1-6, HP1-5, PC1-13).
11. Demonstrate removable appliance care (assessment and deposit removal) on an edentulous or partially-edentulous patient (C1-6, HP1-5, PC1-13).
12. Explain the patient selection criteria for the WREB clinical exam (PC1-13).
13. Demonstrate familiarity with the WREB clinical exam procedures and policies (PC1-13).
14. Develop a dental hygiene case study on a periodontally-involved dental hygiene patient that demonstrates the ability to utilize evidence-based decision making (C1-6, HP1-5, PC1-13).
15. Utilize the assessment findings to determine a periodontal diagnosis that can be confirmed by the supervising dentist (C1-6, HP1-5, PC6-7).
16. Utilize the dental hygiene care plan to determine the frequency of maintenance appointments for individual patients (C1-6, HP1-5, PC6-7).
17. Determine the proper sequencing and prioritize steps in patient care when preparing the dental hygiene care plan (C1-6, HP1-5, PC6-7).
18. Develop a written dental hygiene care plan after completing the dental hygiene assessment on complex patients and present the findings to the patient during a case presentation (C1-6, HP1-5, PC6-7).
19. Perform the dental hygiene assessment on all patients, conducting the following components and documenting all findings appropriately and accurately: review the Medical/Dental History and Vital Signs; conduct an Extraoral and Intraoral Exam; prepare a Gingival Description; chart restorations and existing conditions of the dentition; complete a Radiographic Evaluation and document all significant findings; detect and document all supragingival and subgingival calculus using the Calculus chart; perform a Plaque Index; complete a periodontal evaluation and classify the patient accurately according to the periodontal status and calculus class status (C1-5, HP1-5, PC1-13).
20. Perform comprehensive dental hygiene treatment on all patients, conducting the following components: Remove hard and soft deposit using hand instrumentation and ultrasonic instrumentation; remove stain using instrumentation, rubber cup polishing, and air powder
polishing; provide appropriate and individualized oral hygiene instruction and patient education; apply topical fluoride following all deposit removal \textit{(C1-5, HP1-5, PC 1-13)}.

21. Discuss modifications to dental assessment/dental treatment techniques for patients with special medical or dental-related needs \textit{(C1-5, HP1-5, PC 1-13)}.

22. Perform the duties of the Co-Therapist as assigned (see Co-Therapist Responsibilities hand-out) \textit{(C1-5, HP1-5, PC 1-13)}.

23. Participate in dental hygiene review sessions in preparation for the NBDHE and self-evaluate areas of strength/weaknesses \textit{(C1-5, HP1-5, PC 1-13)}.

**Weekly Units**

I. Week One
   a. Clinic Orientation – Review Clinic Handbook, Forms and Documents
   b. Radiography Review and Performance Tests

II. Week Two
   a. List special considerations and contraindications to be observed when using the air-powder method of stain removal
   b. Describe the correct nozzle angulation for use of an air-powder device on facial and lingual surfaces of anterior teeth; facial and lingual surfaces of posterior teeth; and occlusal surfaces
   c. Explain the rationale for not routinely polishing the teeth as part of an oral prophylaxis
   d. Describe the procedures involved with setting-up, using, and sterilizing the air powder polishing units in the MATC Dental Hygiene clinic

III. Week Three
   1. Discuss the purpose of utilizing the PSR to assess the state of periodontal health of a patient
   2. Describe the procedure utilized when conducting the PSR
   3. Compare and contrast the marquee periodontal probe with the probe used for the PSR
   4. Describe the scoring process, the code explanations, and the appropriate management guidelines
   5. Correctly chart the results of a PSR screening using appropriate codes and symbols

IV. Week Four
   1. Discuss the indications and contraindications for utilizing local drug delivery
   2. Compare and contrast the various local drug delivery products available
   3. Discuss the advantages of using local drug delivery as an adjunct to traditional periodontal procedures
   4. Discuss the most common brands of local drug delivery agents – active ingredient, recommended use, post-operative instructions, etc.
   5. Describe the post-operative instructions that would be provided to a patient after administering a local drug agent
   6. Discuss the benefits of local drug delivery as references in the research
   7. Compare and contrast statistical significance versus clinical significance

V. Week Five
   1. Recognize the role of ambivalence in patient behavior change and explain the goal of motivational interviewing with respect to ambivalence
   2. Describe the primary difference between how hygienists often approach patient education and the motivational interviewing approach
   3. Identify the three elements of the motivational interviewing philosophy and the four general principles
4. Give examples of specific motivational interviewing methods and how they are used to enhance patient motivation for change

VI. Week Six
1. Discuss the modifications that occur to a patient’s oral cavity when they begin wearing a denture
2. Differentiate between the various types of denture
3. Describe various lesions that a patient with a denture may experience and list common contributing factors
4. Discuss homecare recommendations for a patient with a removable denture

VII. Week Seven
1. Review advanced techniques with instrumentation and fulcruming that can be applied on more periodontally-involved patients
2. Describe the design features of periodontal files and the advantages in using them on patients with various types of calculus
3. Demonstrate proper instrumentation technique with periodontal files

VIII. Week Eight
1. Define the term best practice
2. Summarize how the explosion of knowledge is impacting practitioners and patients
3. Identify the three components of evidence-based decision making
4. Define a systematic review
5. Discuss the benefits and limitations of experience
6. Describe the role of the patient in the evidence-based model
7. List locations for accessing systematic reviews
8. Explain the difference between a peer-reviewed journal and trade magazine
9. State three desired outcomes from attending continuing education courses
10. Formulate a question using the PICO process

IX. Week Nine
1. Midterm Exam and Debriefing on Clinical Experience

X. Week Ten
1. Describe the policies and procedures of the CRDTS Dental Hygiene Clinical Board Exam
2. Discuss the patient selection process for the CRDTS Exam
3. Demonstrate familiarity with the Candidate and Patient Forms utilized in the CRDTS Exam
4. Demonstrate the ability to utilize online resources to prepare for the CRDTS Exam

XI.-XIII. Weeks Eleven-Thirteen
1. Demonstrate basic knowledge and comprehension of all aspects of previous dental hygiene courses to actively participate in a review session designed to prepare students for the NBDHE exam
2. Work collaboratively with peers to answer a series of questions from all previous dental hygiene courses to demonstrate preparedness for the NBDHE exam

XIV. Week Fourteen
1. Apply all concepts/procedures/skills discussed thus far in the DHT20S course to prepare a Case Study report that highlights assessment findings, treatment planning recommendations, treatment performed, and re-evaluation results for a clinical patient
2. Prepare a Case Study presentation to accompany the Case Study report that will be provided to peers and the course instructor using appropriate audiovisual equipment
Method of Delivery/Instruction
☑ Face-to-face ☐ Blended ☐ Online

Learning activities will be assigned within and outside the classroom to assist the student to achieve the intended learning outcomes through lecture, Instructor-led class discussion, guest speakers, group activities, lab, drills/skill practice, and others at the discretion of the instructor.

Method of Grading and Evaluation
The student will be graded on learning activities and assessment tasks. Grade determinants may include the following: daily work, quizzes, chapter or unit tests, comprehensive examinations, student projects, student presentations, class participation, and other methods of evaluation employed at the discretion of the instructor.