

DENT-2100: DENTAL HYGIENE CLINICAL SKILLS REINFORCEMENT

Cuyahoga Community College

Viewing: DENT-2100 : Dental Hygiene Clinical Skills Reinforcement

Board of Trustees:

March 2020

Academic Term:

Fall 2019

Subject Code

DENT - Dental Hygiene

Course Number:

2100

Title:

Dental Hygiene Clinical Skills Reinforcement

Catalog Description:

Designed for students desiring to improve dental hygiene clinical skills. Emphasis on the reinforcement of assessment, instrumentation, calculus detection and removal, radiographic imaging techniques and medical emergency situations. Possible offsite clinical outreach experience included. Also appropriate for the licensed hygienist returning to the workforce or candidates requiring remediation of skills prior to sitting for a clinical board examination.

Credit Hour(s):

1-2

Lab Hour(s):

3-6

Requisites

Prerequisite and Corequisite

DENT-1300 Preventive Oral Health Services I, or departmental approval.

Outcomes

Course Outcome(s):

Demonstrate correct infection control, hazard communication and x-radiation safety protocol during clinical practice.

Objective(s):

1. Identify the location of Safety Central and be familiar with the operation of the equipment in Safety Central and the content of the safety manuals.
2. Review and practice Tri-C dental hygiene safety protocol for infection control, hazardous materials and x-radiation.

Course Outcome(s):

Initiate the emergency medical protocol for all possible emergency situations.

Objective(s):

1. Review management of medical emergencies that may occur in a dental office.
 2. Identify the location, in the Dental Hygiene Clinic, of the emergency medical equipment.
 3. Demonstrate correct operation of the oxygen tank.
 4. Complete a client Huddle Sheet entry for each client treated including identification of medical concerns, medications and required modifications to treatment.
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Course Outcome(s):

Complete comprehensive data gathering.

Objective(s):

1. Complete accurate and thorough medical and dental histories and formulate appropriate follow-up questions for positive responses to questions provided by the patient.
2. Assess and document pulse rates, respiration rates and blood pressure.
3. Complete comprehensive cancer examinations of the head, neck and oral cavity.
4. Complete accurate hard tissue charting including identification of teeth, conditions of the teeth, restorations and caries.
5. Assess and document periodontal conditions including probing depths, apparent recession, bleeding points, clinical attachment levels, mucogingival involvement, exudate, mobility and gingival description.
6. Analyze a patient's periodontal condition and determine the periodontal diagnosis, type and stage of the disease.
7. Document the classification of occlusion for permanent and/or primary dentitions.
8. Analyze a patient's risk for caries, periodontal disease, and oral cancer by completing Tri-C dental hygiene risk assessments.

Course Outcome(s):

Develop dental hygiene treatment plans.

Objective(s):

1. Develop a treatment plan based on the patient's chief complaint, medical and dental histories and data gathered during the assessment process.
2. Identify the correct Code on Dental Procedures and Nomenclature (CDT) for each treatment procedure entered into a treatment plan.

Course Outcome(s):

Produce and interpret diagnostically acceptable dental radiographic images.

Objective(s):

1. Demonstrate correct exposure and scanning techniques for periapical and bitewing images when using storage phosphor plates as the image receptors.
2. Demonstrate correct exposure techniques for periapical and bitewing images when using direct digital sensors as the image receptor.
3. Verify the accuracy of digitally mounted images for both storage phosphor plates and direct digital sensor exposures.
4. Demonstrate the correct technique for exposing panoramic images.
5. Interpret dental images for technique errors, normal and abnormal structures, restorations, caries, bony lesions and periodontal disease.

Course Outcome(s):

Implement successful debridement procedures.

Objective(s):

1. Review and practice correct seating positions and ergonomics for treatment in all areas of the oral cavity.
2. Review and practice standard intraoral and advanced fulcrums.
3. Review the correct technique for and practice calculus detection and removal strokes with various categories of instruments.
4. Maintain sharp instruments.
5. Review the basic operating concepts for ultrasonic instrumentation and practice the correct technique.

Course Outcome(s):

Evaluate the outcomes of the dental hygiene interventions.

Objective(s):

1. Review and evaluate the patient's condition during each appointment and document changes in the chart and in the Note History.
2. Modify a treatment plan based on assessment and patient input.

Course Outcome(s):

Demonstrate professionalism during dental hygiene care.

Objective(s):

1. Complete the Time Management, Client Care, Professional Development and Environmental Management categories of the Daily Performance Form at or greater than minimum competency levels.
 2. Using correct terminology, accurately communicate both verbally and in writing with other health care professionals.
 3. Project a positive attitude and professional appearance and demeanor during all patient interactions.
 4. Maintain patient confidentiality based on the Health Information Portability and Accountability Act (HIPAA).
 5. Document patient treatment and required interpersonal communication in a Services, Assessment, Recommendations and Plan (SARP) format.
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Methods of Evaluation:

1. Clinical Evaluations
2. Assignments
3. Quizzes
4. Participation

Course Content Outline:

1. Safety Protocol
 - a. Infection control
 - b. Hazard communication
 - c. X-radiation
2. Medical Emergencies
 - a. Identification
 - b. Team concept
 - c. Protocol
3. Assessment Techniques
 - a. Medical and dental histories
 - b. Oral cancer examination
 - c. Hard tissue charting
 - d. Periodontal evaluation
 - e. Risk assessments
 - f. Classification of occlusion
 - g. Radiographic imaging techniques
4. Dental Hygiene Diagnosis
 - a. Correlation of radiographic imaging and clinical assessment data
 - b. Periodontal diagnosis, typing & staging
 - c. Risk and contributing factors
5. Treatment Planning
 - a. Chief complaint
 - b. Appointment sequencing
 - c. Coding
6. Implementation
 - a. Ergonomics and seating positions
 - b. Calculus detection and removal skills
 - c. Instrument sharpening
 - d. Fulcrums
 - e. Ultrasonic instrumentation
7. Evaluation of Treatment
 - a. Patient feedback
 - b. Documentation
 - c. Modifications to treatment
8. Development of Professional Skills
 - a. Daily Performance Form evaluation

- b. Organizational skills
- c. Preparation for clinical activities
- d. Interpersonal communication skills
- e. Patient confidentiality
- f. Services, Assessment, Recommendations, Plan (SARP) documentation

Resources

Cuyahoga Community College. (Current) *Clinic Manual*,

Fehrenbach, M and Popowics, T. (2016) *Illustrated Dental Embryology, Histology and Anatomy*, Maryland Heights: Elsevier Saunders.

Gehrig, J.S., Sroda, R. and Saccuzzo, D. (2018) *Fundamentals of Periodontal Instrumentation & Advanced Root Instrumentation*, Wolters Kluwer.

Haring, J and Howerton, L. (2017) *Dental Radiography, Principles and Techniques*, St. Louis: Elsevier/Saunders.

Ibsen, O. and Phelan, J. (2018) *Oral Pathology for the Dental Hygienist*, St. Louis: Elsevier.

Langlais, R., Miller, C. and Gehrig, J. (2017) *Color Atlas of Common Oral Diseases*, Philadelphia: Wolters Kluwer.

Wilkins, Esther M. (2016) *Clinical Practice of the Dental Hygienist*, Philadelphia: Wolters Kluwer.

Wynn, R., Meiller, T. and Crossley, H. (2019-2020) *Drug Information Handbook for Dentistry*, Philadelphia: Wolters Kluwer.

Resources Other

30 radiographic imaging videos created by faculty (<http://www.drugdigest.com/>)

17 clinical videos including instrumentation and infection control videos created by faculty

www.osha.org (<http://www.osha.org/>): Occupational Safety and Health Administration

www.cochrane.org (<http://www.cochrane.org/>): Systematic Review of Dental- Related Research

www.ohiolink.edu (<http://www.ohiolink.edu/>): OhioLINK central library catalog

www.medicinenet.com (<http://www.medicinenet.com/>): Drug Reference Resource

www.rxmed.com: Drug Reference Resource

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