



BAKER COLLEGE

STUDENT LEARNING OUTCOMES

DHY1010 Clinical Dental Hygiene I
3 Semester Hours

Student Learning Outcomes and Enabling Objectives

Each student will complete the following with at least 77% accuracy:

1. Use precautionary measures to prevent disease transfer from patient to patient, patient to clinician, and clinician to patient.
2. Compare the terms sanitation, disinfection, and sterilization of various materials.
3. Analyze the theory of disease transmission and the necessity for asepsis in dentistry.
4. Demonstrate effective hand washing.
5. Demonstrate appropriate personal protective equipment (PPE).
6. Demonstrate sanitization of the station, sterilizing area, and countertops.
7. Prepare instruments for sterilization and disinfection using accepted methods.
8. Demonstrate the ability to operate the dental chair and light.
9. Demonstrate the ability to operate the autoclaves.
10. Demonstrate the ability to operate the ultrasonic unit.
11. Practice patient/operator positioning.
12. Obtain and evaluate a comprehensive health history.
13. Identify when it is appropriate to place a medical alert sticker on a patient's file.
14. Identify when it is appropriate to pre-medicate or make special arrangements for patients.
15. Demonstrate how to obtain information from a drug reference source.
16. Define the four methods of an examination (inspection, palpation, auscultation, and percussion).
17. Evaluate structures during the extraoral and intraoral examination using the appropriate technique.
18. Describe lesions according to the morphologic categories.
19. Describe lesions according to their physical characteristics.
20. Record observations in an organized, clear, concise manner.
21. Explain the relationships between the teeth, oral mucosa, gingiva, and related structures.
22. Describe the clinical features of periodontal tissues.
23. Assess the gingival tissues, oral mucosa and related structures using a probe, mouth mirror and explorer.
24. Distinguish normal vs. abnormal vital signs and demonstrate the ability to obtain these vitals.
25. Practice a plan of action for a clinical emergency following clinical protocol.
26. Demonstrate proper usage of the assessment instruments: mouth mirror, explorers, and probes.
27. Distinguish between the parts of an instrument: handle, working ends, shank, and terminal shank.

28. Compare and contrast various instruments by their shapes and designs.
29. Assess and demonstrate use of proper adaptation, angulation, activation for each of sickles and curettes.
30. Differentiate between the exploratory and working stroke.
31. Identify the purposes of hoes, chisels, files, and other Gracey curettes.
32. Compare and contrast the universal curet to a Gracey curette and demonstrate their use.
33. Practice the modified pen grasp and fulcrum.
34. Correctly sharpen any variety of instruments in the student kit.
35. Compare and contrast scaling and root planing.
36. Classify caries by category (incipient, recurrent, or rampant).
37. Relate pH level of saliva to caries development.
38. Analyze the mineralization and the remineralization processes.
39. Assess how various bacterial organisms affect tooth surfaces by location (smooth surfaces, pit and fissure, and root surfaces).
40. Differentiate restorations according to the G. V. Black System for Classification of restorations.
41. Demonstrate hard tissue charting.
42. Identify teeth by the Universal Numbering System.
43. Describe the formation of bacterial plaque and assess its significance in periodontal disease.
44. Recognize the importance of the acquired pellicle.
45. Assess the composition of supragingival and subgingival bacterial plaque.
46. Define materia alba and how it affects the oral cavity.
47. Describe the development process and distribution of calculus.
48. Identify the significance of calculus in periodontal disease.
49. Describe the purpose of polishing teeth and demonstrate the procedure.
50. Describe and perform Periodontal Screening and Recording (PSR).
51. Determine and assess a plaque-free score.
52. Differentiate between types of dental indices.
53. Demonstrate the ability to perform periodontal chartings.
54. Demonstrate the application of caries preventive agents.
55. Apply appropriate cleaning techniques for removable appliances without altering surface materials or attachments.
56. Evaluate the historical discovery of fluoride as an anticariogenic agent.
57. Differentiate fluoride compounds used with dentifrice or professional products.
58. Identify the fluoride products currently accepted by the American Dental Association.
59. Justify water fluoridation and fluoride products.
60. Differentiate between the three types of topical fluoride preparations and compare their characteristics.
61. Analyze the factors involved in preparing the patient for a topical fluoride treatment.
62. Assess the indications for the application of fluoride solutions or gels.
63. Illustrate the materials and techniques used for the application of topical fluoride solutions.
64. Illustrate the materials and techniques used for the application of topical fluoride gels.
65. Define the precautions and dangers in the misuse of high-concentration fluoride preparations.

66. Identify various toothbrushing techniques and interdental aids used for patient care.
67. Model professional behavior and etiquette throughout partner/patient treatment.
68. Practice teamwork activities related to patient/partner assessment and sterilization procedures.

These SLOs are not approved for experiential credit.

Effective: Fall 2017