



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

DHY2410 Periodontics I
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Describe the anatomy and clinical characteristics of the tissues of the periodontium.
 - a. Differentiate between the various functions of the periodontal ligament.
2. Differentiate between the three types of oral epithelial surfaces.
 - a. Describe sulcular fluid and its role in the normal oral cavity
3. Assess the purpose of defining diseases with indices.
 - a. Differentiate between gingival pocket and periodontal pocket.
4. Classify the American Academy of Periodontology categories of periodontal disease and the five case types of periodontal disease.
 - a. List, describe, and differentiate the various periodontal diseases.
5. Appraise clinical normal gingiva in terms of color, size, contour, texture, and consistency.
 - a. Explain the difference in color between acute and chronic inflammation
6. Classify the types of gingivitis.
 - a. Compare and contrast dental plaque-induced gingival diseases and non-plaque-induced gingival lesions
7. Describe the disease progression typically seen in chronic periodontitis
 - a. Appraise the signs of recurrent periodontitis, and assess the potential contributing factors.
8. Explain the signs and symptoms of aggressive periodontal disease.
 - a. Compare and contrast clinical and radiographic features of LAP and GAP.
9. Name and explain systemic/genetic factors that may contribute to the initiation and progression of periodontitis.
 - a. Describe the effects on the periodontium of orthodontic appliances, malocclusion, missing teeth, mouth breathing, and tobacco use.
10. Describe the phases of dental treatment.
 - a. Define informed consent and describe its importance in treatment planning.
11. Describe the pathogenesis of periodontitis, and list the risk factors that affect disease progression.
 - a. Compare and contrast various forms of periodontitis as to demographics, clinical characteristics, and microflora.
12. Classify the specific bacteria associated with the various periodontal diseases and their characteristics that contribute to their virulence.
 - a. Describe the characteristics and components of subgingival and supragingival calculus.
13. Define the immune systems function
 - a. Compare and contrast acute and chronic inflammation.
14. Name the histological stages of periodontal disease.
 - a. Define the terms biochemical mediator, cytokines, prostaglandins and matrix

metalloproteinase.

15. List potential impactions of systemic diseases on the periodontium.
 - a. Identify medications that cause gingival hyperplasia in patients.
16. Explain the local contributing factors that contribute to periodontal disease.
 - a. Compare and contrast the classification of primary and secondary traumatic occlusion in periodontal disease and treatment.
 - b. Explain the plaque-retentive effects of faulty restorations.

These SLOs are not approved for experiential credit.

Effective: Fall 2019