



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Department of Applied Dental Sciences
Second Semester
Periodontology II (ADS 352)
Course Syllabus 2016/2017

Course Information	
Course Title	Periodontology II
Course Code	ADS 352
Prerequisites	ADS 351 Periodology I
Course coordinator	Dr. Sabha Alshatrat
Co-instructors	-
Office Location	Faculty of Applied Medical Sciences -2nd Floor
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Course Description
<p>This course is a continuation to Periodontology I. This course will focus on the assessment, treatment, planning of periodontal disease, and non-surgical periodontal therapy. In addition, this course will introduce the students to periodontal surgery procedures. Dental implants, periodontal emergencies, and systemic factors influencing periodontal disease will be discussed in this course.</p>

Textbook	
Title	Periodontology for the Dental Hygienist
Author(s)	Perry, DA, Beemsterboer, Ph & Taggart, EJ
Publisher	Saunders
Year	2007
Edition	Third Edition
Other references	<ul style="list-style-type: none"> ▪ Michael G. Newman, Henry H. Takei, Fermin A. Carranza. Carranza's Clinical Periodontology 10th ed. Elsevier Saunders, 2008 ▪ Darby M and Walsh M. Dental Hygiene: Theory and Practice, 3rd ed. Elsevier Saunders, 2009

Teaching & learning Methods
PowerPoint presentation, seminar/discussion, reading assignments.

Assessment		
Assessment	Expected Due Date	Percentage
Intra-semester Evaluation		100%
Mid Exam		40%
Participation		20%
Final Evaluation		40%

Course Objectives

Clinical Assessment

1. Describe the connection between patients' overall health and their dental and periodontal health
2. Define the aspects of clinical assessment in the dental hygiene process of care
3. Describe the components of each assessment in the clinical examination
4. Describe the normal and abnormal clinical presentation of the periodontium and dentition
5. Identify the normal and abnormal clinical and radiographic presentation of the diseases.

Treatment Planning for the Periodontal Patient

1. Describe the goals and rationale for periodontal treatment planning
2. Define the role of the dental hygienist in determining the dental hygiene care plan
3. Define the phases of dental treatment included in the comprehensive care plan
4. Describe the major classifications of periodontal disease
5. Identify the patient factors to be considered when establishing the treatment plan sequence
6. Define informed consent and its importance to patient care

Occlusion and Temporomandibular Disorders

7. Define the role of the dental hygienist in the detection of occlusal abnormalities and jaw dysfunction
8. Describe the biologic basis of occlusal function and adaptive capability of the oral system
9. Compare and contrast the classification of primary and secondary traumatic occlusion in periodontal diagnosis and treatment
10. Describe the causes and list the common signs and symptoms of TM disorders
11. Describe the procedures for clinically assessing jaw function and occlusion in a screening examination
12. Identify the various modalities used to treat TM disorders

Plaque and disease Control for the Periodontal patient

13. List the goals for plaque biofilm control for the periodontal patient
14. Define effective methods for tooth brushing and interproximal plaque biofilm removal for patients with periodontal disease
15. List effective chemical plaque biofilm control agents and their indications for use

Nonsurgical periodontal therapy

16. Define nonsurgical periodontal therapy
17. List the elements of nonsurgical periodontal therapy
18. Identify the techniques and applications for nonsurgical periodontal therapy
19. Describe the process of healing after periodontal debridement procedures, scaling,

and root planning

20. Explain the limitations of calculus removal and the expectations for clinical proficiency
21. Define the role of laser use in nonsurgical periodontal therapy

Periodontal Surgery

22. Describe the rationale for periodontal surgical treatment
23. Define the types of periodontal surgery
24. Describe healing of tissues after periodontal surgery
25. Define postoperative procedures
26. Identify the role of the dental hygienist in the surgical treatment of periodontal disease

Dental Implants

27. Describe the common types of dental implants
28. Discuss the indications and contraindications
29. For dental implant therapy
30. List the criteria for success used in implant therapy
31. Describe the maintenance protocol for implant patients
32. Define the elements of appropriate home care regimens for patients with implants

Periodontal Emergencies

33. Define the role of the dental hygienist in the recognition and treatment of periodontal emergencies
34. Describe the etiology of periodontal abscess
35. Compare and contrast the signs, symptoms, and treatment considerations in patient with gingival, periodontal, and periapical abscess
36. Describe the distinguishing features of necrotizing ulcerative gingivitis
37. List the identifying features of pericorontitis
38. Outline the treatment for necrotizing ulcerative gingivitis
39. Describe the symptoms and oral lesions of acute herpetic gingivostomatitis
40. Outline the supportive treatment for oral herpetic lesions

Systemic factors influencing periodontal disease

41. understand systemic factors that influence dental hygiene care
42. describe conditions that require consultation with a patient physician
43. describe changes in oral tissues observed with systemic diseases and conditions
44. list modifications needed to best treat patients with systemic conditions

Maintenance for periodontal patients

45. Explain the term periodontal maintenance
46. List three objectives of periodontal maintenance
47. Describe how periodontal maintenance relates to other phases of periodontal treatment
48. Name usual procedures performed during a patient appointment for periodontal maintenance

49. Determine the term baseline data
50. Describe the criteria for establishing a maintenance program to prevent recurrent disease.
51. Plan a periodontal maintenance program and modify it as needed.
52. Plan effective instructional/motivational techniques for periodontal patients.
53. Describe basic principles associated with periodontal treatment and maintenance therapy
54. Explain the goals of non-surgical therapy in relation to re-care appointments
55. Discuss the role of the patient in periodontal disease treatment success.
56. Identify conditions indicating failing periodontal maintenance and when patient should be referred to the periodontist

57. Discuss risk factors in periodontal disease as related to the periodontal treatment plan for periodontal maintenance therapy.
58. State the rationale for combining oral self-care and professional therapy during periodontal care.
59. Identify the usual length of periodontal maintenance appointments.
60. Utilize knowledge of preliminary diagnosis and prognosis to discuss referrals for periodontal therapy.
61. Assess patient's oral health knowledge and homecare skill level prior to delivering special oral health instructions during periodontal maintenance therapy appointments.
62. Promote the dental hygienist as the key dental professional to manage initial and maintenance periodontal therapy appointments

Useful Resources	
1	American Academy of Periodontology, Journal of Periodontology: http://www.perio.org .
2	European Federation of Periodontology: http://www.efp.net .
3	British Society of Periodontology: http://www.derweb.ac.uk .
4	Irish Society of Periodontology: http://www.iob.re
5	American Dental Hygienists' Association: http://www.adha.org

Attendance Policy & other Requirements

Students, to satisfactory pass this course are expected to:

1) Attend all lectures regularly in accordance with the university regulations.

2) The student is required to obtain 50% to pass

Course Content

Week Sunday Lecturer	Topics	Chapter/page number in Text (handouts)
1	Review of the course syllabus and policies	Course syllabus
2	<p>Clinical Assessment</p> <ul style="list-style-type: none"> • Patient history <ul style="list-style-type: none"> ○ Medical History ○ Dental history • Clinical Examination • Oral hygiene Assessment • Dentition Assessment • Radiographic assessment 	<p>Chapter 8 Objective 1-5</p>
3	<p>Treatment planning for the periodontal patient</p> <ul style="list-style-type: none"> • Phases of treatment • Role of dental hygienist • Sequence of periodontal procedures • Classification of periodontal disease and conditions • Consideration for determining the dental hygiene care plan • Elements of informed consent • Elements of acceptable progress notes 	<p>Chapter 9 Objective 6-11</p>

4	<p>Occlusion and Temporomandibular Disorders</p> <ul style="list-style-type: none"> • Biologic basis of occlusal function • Trauma from occlusion • Categories of TM disorders • Sign & symptoms of TM disorders • Screening for TM disorders • Treatment of TM Disorders 	<p>Chapter 10 Objective 12-17</p>
5	<p>Plaque and Disease Control for the periodontal patient</p> <ul style="list-style-type: none"> • Plaque as a biofilm and a etiologic agent • Goals of plaque biofilm control for the periodontal patient • Mechanical plaque removal • Recommendations • Chemical plaque control 	<p>Chapter 11 Objective 18-20</p>
6	<p>Nonsurgical periodontal therapy</p> <ul style="list-style-type: none"> • Definitions of nonsurgical periodontal therapy • Goals of nonsurgical periodontal therapy • Productiveness of results • Techniques • magnification 	<p>Chapter 12 Objectives 21-26</p>

7	Periodontal Surgery part 1 <ul style="list-style-type: none"> • Rationale for periodontal surgery • General considerations for periodontal surgery • Types of periodontal surgery 	<p style="text-align: center;">Chapter 13 Objectives 27-31</p>
<u>8</u>	Periodontal Surgery part 2 <ul style="list-style-type: none"> • Types of periodontal surgery • Procedures immediately after periodontal surgery • Healing after periodontal surgery 	<p style="text-align: center;">Chapter 13 Objectives 27-31</p>
<u>9</u>	Dental Implants <ul style="list-style-type: none"> • Types of implants • Indications and contraindications for implant therapy • Success criteria • Peri-implant disease • Dental hygiene care 	<p style="text-align: center;">Chapter 14 Objective 32-37</p>
10	<p style="text-align: center;">MID EXAM</p>	<p style="text-align: center;">STUDY WELL</p>
11	Periodontal Emergencies <ul style="list-style-type: none"> • Periodontal abscesses • Gingival abscesses • Endodontic abscesses 	<p style="text-align: center;">Chapter 15</p>

	<ul style="list-style-type: none"> • Periodontitis • Necrotizing ulcerative gingivitis • Acute herpetic gingivostomatitis 	Objective 38-45
12	Systemic factors influencing periodontal diseases part 1 <ul style="list-style-type: none"> • Cardiovascular diseases • Joint disease and disorders • Endocrine disturbances and abnormalities • Infectious diseases • Dermatologic diseases • Blood dyscrasias • Neurologic disorders • Tobacco use and periodontal disease 	Chapter 16 Objective 46-49
13	Systemic factors influencing periodontal diseases part 2 <ul style="list-style-type: none"> • Dermatologic diseases • Blood dyscrasias • Neurologic disorders • Tobacco use and periodontal disease 	Chapter 16 Objective 46-49
14 26/12/2016	Periodontal maintenance and prevention <ul style="list-style-type: none"> • Sequence of periodontal therapy • Effectiveness of periodontal therapy • Effectiveness of periodontal maintenance 	Chapter 17 Objective 50-64
TBA	FINAL EXAM	Time and location to be Announced

** Subjected to change according to the modifications that may occur during the semester*