DEN7417C Orofacial Pain
Summer 2021

Course Description:
This course will provide the student with a review of functional anatomy and pathophysiology related to the differential diagnosis of orofacial pain conditions. Clinical correlation and application will be achieved through lecture and case studies regarding the diagnosis and management of temporomandibular disorders and orofacial pain.

I. General Information

Course Director:
Course Director: Charles Widmer
Office: D7-37
Email: WIDMER@dental.ufl.edu
Phone: (352) 273-5696
Course Credits: 1
Semester: Summer

Contributing Faculty

Support Staff

Katherine C Ochoa (352) 273-5700 kococha@dental.ufl.edu TA / Grade Administrator

II. Course Goals
This course will provide a foundation for critical thinking in the field of orofacial pain. Emphasis will be placed on the more common orofacial pain presentations. The first goal will be to develop a logical process to interpret the results of a head and neck exam for orofacial pain and to develop a diagnosis. A second goal will be to review the evidence of the efficacy of occlusal appliance therapy and other treatment modalities. Finally, the process for construction of a maxillary occlusal orthotic appliance will be detailed.
Establishing differential diagnoses for orofacial pain conditions and considering treatment approaches that are evidence-based are necessary goals for the student to effectively manage patients with orofacial pain.

III. Course Overview

Course instruction will be accomplished through lectures and case reports.

Each lecture will focus on specific topics to achieve the goals of the course. Student interaction during the review session will be used to determine current knowledge and the ability to problem-solve new clinical presentations.

IV. Course Outline

1. Introduction
2. History and Clinical Exam Interpretation (Part 1)
3. History and Clinical Exam Interpretation (Part 2)
4. An Overview of Bruxism
5. An Overview of Occlusal Appliance Therapy
6. Fabrication of a Maxillary Occlusal Appliance
7. Pharmacologic Management of Persistent Orofacial Pain
8. Appliance Therapy for Obstructive Sleep Apnea
9. Case Studies
10. Review of Concepts

V. Course Material

Handouts and articles will be provided.

Recommended Texts:


Optional resource:

HSC Dental Library Guide
VI. Course Objectives

1. Interpretation of the Findings from the Head and Neck and Occlusal Examination

The interpretation of positive findings from a head and neck clinical exam can be challenging. This section focuses on specific diagnostic criteria associated with common head and neck pain conditions and methods to enhance the diagnostic sensitivity and specificity.

1. Interpret the findings of a standard palpation technique utilized when examining the TMJ.
2. Interpret the outcomes of functional loading of the TMJ.
3. Discuss the strengths and limitations of how finger palpation or a stethoscope may be used to assist in the diagnosis of intracapsular conditions.
4. Discuss potential errors obtained by intra-aural palpation of the retrodiscal tissues.
5. Discuss the relevance of muscle provocation testing.
6. Discuss the evaluation of the cervical region.
7. Discuss the interpretation of the findings from manual muscle testing of the muscles of the head and neck.
8. Discuss the diagnostic indicators of bruxism.
9. Discuss the diagnostic indicators of odontalgia.
10. Discuss the diagnostic indicators of neuropathic pain.
11. Discuss the finding of allodynia and the impact on diagnosis.
12. Interpret three different headache presentations and their differential diagnosis.
13. Discuss the use of various pharmacological approaches to manage orofacial pain conditions.

2. Occlusal Appliance Therapy

Appliance therapy efficacy has been evaluated in multiple randomized clinical trials. These findings will be discussed as a part of an overview of the potential therapeutic actions of appliance therapy and the relation to management of diurnal and nocturnal bruxism.

1. Review the efficacy of specific designs of appliance therapy.
2. Compare the efficacy of hard/soft appliances to other reversible therapies.
3. Describe a therapeutic approach for bruxism.
4. State the criteria for selecting a maxillary or mandibular appliance.
5. Discuss why all occlusal appliance therapy may not be considered reversible forms of therapy.

3. Obstructive Sleep Apnea

1. Familiarize the student with the identification and management of obstructive sleep apnea.
VII. Course Competencies

This course teaches to the following competencies in the "Competencies for the New Dental Graduate”.

1: Critical Thinking: Use critical thinking and problem-solving, including their use in the comprehensive care of patients, scientific inquiry and research methodology.

3: Apply biomedical science knowledge in the delivery of patient care.

6: Appropriate Referral Provide oral health care within the scope of general dentistry to include recognizing the complexity of patient treatment and identifying when referral is indicated.

14: Assessment of Treatment Outcomes: Provide oral health care within the scope of general dentistry to evaluate the outcomes of treatment, recall strategies and prognosis.

VIII. Evaluation

Students will be evaluated through a final written examination and evaluation of clinic activities.

Grade weight:
Written final exam = 50%
Clinic Activities (Physical Exam, Appliance Fabrication) = 50%

Students must score 65 or greater on the final examination and the clinic activities to pass the course.

Remediation:

Students that do not pass the final examination must meet with the course director to arrange for a remediation examination.

“Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://ufl.bluera.com/ufl/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.”
IX. Administrative Practices

Administrative practices for all UFCD courses are universally applied. Exceptions to or deviations from these practices are stated in the individual syllabi by the course director. When not individually stated in the syllabus, course administrative practices default to those identified under "Course Policies" on the DMD Student Website:

https://dental.ufl.edu/education/dmd-program/course-policies/

X. Grade Scale

DEN7417C Grade Scale

<table>
<thead>
<tr>
<th>Method</th>
<th>Scale</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Letter Grade</td>
<td>100</td>
<td>0.5 (Final letter grades within this range will be rounded up.)</td>
</tr>
</tbody>
</table>

- A: 95 - 100
- A-: 90 - 95
- B+: 85 - 90
- B: 80 - 85
- B-: 75 - 80
- C+: 70 - 75
- C: 65 - 70
- E: 0 - 65