

The Hebrew University of Jerusalem

Syllabus

Orafacial Pain - 97762

Last update 03-09-2024

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Dental Medicine

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Ein Karem

Course/Module Coordinator: Dr yaron Haviv

Coordinator Email: yaron.haviv@gmail.com

Coordinator Office Hours: Thursday

Teaching Staff:

Dr. Yaron Haviv,
Prof. Galit Almoznino,
Prof. Yair Sharav,
Prof. ELI ELIAV,
Ms. Irena luna

Course/Module description:

The course describes the more common acute and chronic orofacial pain conditions. Students are instructed how to collect relevant data and assess the patient, as the basis for diagnosis of these conditions. The conditions are presented and analyzed from the initial clinical presentation, through diagnosis, pathophysiology, treatment and prognosis employing numerous case presentations. Additionally students are able to examine acute and chronic orofacial pain patients during their rotations in the department.

Course/Module aims:

The course describes common orofacial pain conditions. Students are taught to collect relevant data pertaining to the patient and his pain condition. The student is then expected to organize and analyze the data so as to accurately describe and identify the orofacial pain diagnosis. Finally the student should recommend a suitable mode of therapy and support his choice vis-à-vis other therapeutic options.

Learning outcomes - On successful completion of this module, students should be able to:

Describe the diagnostic process and collect a tailored pain history for acute and chronic orofacial pain patients.

- List the common acute and chronic orofacial pain diagnoses encountered.
- Analyse and discuss the differences between acute and chronic pain patients.
- Describe the signs, symptoms and therapy of acute orofacial pain conditions. In the clinical setting; assess collected data, state a diagnosis and recommend adequate therapeutic modalities for each diagnosis.
- Describe the signs and symptoms, management and prognosis of chronic orofacial pain. In the clinical setting; assess collected data, state a diagnosis, describe and criticize management modalities for each and justify the final choice.
- Describe the families of drugs commonly used in the management of acute and chronic orofacial pain, and enumerate their individual modes of action.
- Formulate treatment protocols using analgesic drugs in common use in dentistry and defend the choice based on efficacy and side-effect profiles of these drugs.
- Describe a normal human sleep cycle and its importance in homeostasis particularly in the nociceptive system.

1.1 1.2 1.3 1.4 1.5 2.2 2.3 2.4 3.2 3.3 3.4 3.5 3.6 4.1 4.2 4.3 4.4 4.5 4.6 4.8 4.9 5.15

6.1 6.2 6.3 6.4 6.5 6.6 6.7 6.8 6.9 6.10 6.11

This course supports the following HUHSDM Professional Practice Competencies: 2.2, 2.3

Attendance requirements(%):
80%

Teaching arrangement and method of instruction: lectures

Course/Module Content:

23.03.25 – Introduction - Pain Diaries, Mechanisms of Pain and Inflammation, Peripheral and Central Sensitization - Prof. Yair Sharav.

30.03.2025 – Introduction Continued - The Patient Suffering from Pain - History Taking, Assessment, and Measurement, Classification of Craniofacial Pain: Acute Pain + Chronic Pain. Goals of Pain Treatment - Dr. Yaron Haviv.

06.04.25 – Disorders and Pain in the Masticatory Muscles and Temporomandibular Joints (TMDs). - Introduction, Classification, Characteristics, Treatment - Dr. Yaron Haviv.

20.04.2025 – Pharmacological Treatment of Acute Pain - Various Types of Painkillers - Prof. Yair Sharav.

27.04.25 – Acute Oral Pain - Pain Originating from Dentin, Pulp Pain - Reversible Pulpitis, Irreversible Pulpitis, Periodontal Pain, Pain from Adjacent Organs - Prof. Yair Sharav.

04.05.25 – Craniofacial Pain of Neurovascular Origin - Characteristics of Vascular Pain, Migraine, NVOP, TACs - Prof. Yair Sharav.

11.05.2025 – Pain of Nerve Origin - Trigeminal Neuralgia, Post-Traumatic Neuropathy, Post-Herpetic Neuralgia, Burning Mouth Syndrome - Dr. Yaron Haviv.

18.05.2025 – Sensory and Taste Disorders, Use of Neurometer - Prof. Galya Almoznino.

25.05.2025 – Various Pain Conditions - Zoom Lecture or Recorded Lecture - Prof. Eli Eliav, University of Rochester, USA.

08.06.2025 – Sleep Disorders, Facial Pain, and Their Interrelationship - Dr. Yaron Haviv.

15.06.2025 – Placebo and Complementary Medicine in Pain - Prof. Yair Sharav.

22.06.2025 – Presentation of Interesting Chronic Pain Cases and Role-Playing, Summary - Dr. Yaron Haviv.

Required Reading:

Sharav Y, Benoliel R (Eds): 2015 , Orofacial Pain & Headache. second edition Quintessence Publishing.

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Diagnostic Criteria for Temporomandibular Disorders (DC/TMD) for Clinical and Research

Schiffman et al, J Oral Facial Pain Headache. 2014

Additional Reading Material:

Headache Classification Committee of the International Headache Society (IHS)
The International Classification of Headache Disorders, 3rd edition
Cephalalgia . 2018 Jan;38(1):1-211

Grading Scheme:

Written / Oral / Practical Exam 100 %

Additional information:

none