

OROFACIAL PAIN ACADEMY CHANNEL



Steven **Bender**



Michail **Koutris**



Antonio **Romero Garcia**



Daniele **Manfredini**

Orofacial Pain Academy ENG

By Prof. Manfredini, Prof. Bender, Prof. Garcia, Prof. Koutris et al.



SUMMARY



Topic:

Evidence-based messages in orofacial pain: non-dental causes, TMDs, sleep dentistry and bruxism.



Objectives:

- Neuropathies of the trigeminal system
- Primary headaches
- Burning mouth syndrome
- TMDs overview
- TMJ disorders
- Muscle disorders
- Sleep and pain
- Sleep and headaches
- The role of the dentist in dental sleep medicine



WHY TO ENROL:

1- You'll receive a punctual update on the most recent and innovative diagnostic protocols for some of the most commonly occurring neuropathic orofacial pains.

2- You'll be able to manage masticatory muscles disorders and TMJs disorders with a focus on epidemiology and diagnosis.

3- You will understand the role of the modern dentist in sleep medicine procedures; not only to sleep disordered breathing conditions but also to those conditions that can impact on patient's

LEVELS

Difficulty Advanced

Theory ●●●●●

Practice ●●●●●

KEY INFO



English



On Demand



Orofacial Pain-General dentistry



15h



12 video lectures

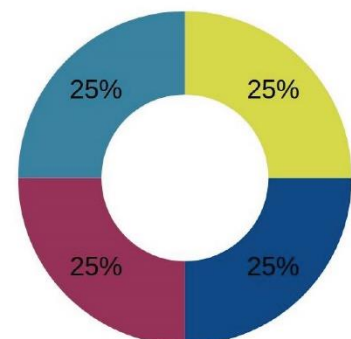


Clinical No



NO

SKILLS YOU WILL LEARN



■ Orofacial Pain

■ Temporomandibular Disorders

■ Sleep Dentistry

■ Bruxism



Why to enroll:

- You'll receive a **punctual update** on the **most recent and innovative diagnostic protocols** for some of the most commonly occurring **neuropathic orofacial pains**.
- You'll be able to manage **masticatory muscles disorders** and **TMJs disorders** with a focus on epidemiology and diagnosis.
- You will understand **the role of the modern dentist** in sleep medicine procedures; not only to sleep disordered breathing conditions but also to those conditions that can impact on **patient's general health**.

Description of the course:

Prof. Dr. Daniele Manfredini, together with **11 other speakers**, welcomes you to **Orofacial Pain Academy**, the video course that unites all the **world's leading experts** in the management of **orofacial pain, TMDs** and **bruxism**.

The dental profession is constantly **facing new challenges**. Amongst these, the different **causes** of orofacial pain are an argument that represents a hot topic in many fields of dental education. Orofacial Pain Academy is divided into **four thematic modules** to provide dental professionals with a **comprehensive overview** of the diagnosis and **treatment strategies** for **orofacial pain, TMDs** and **bruxism**.

Module 1. Orofacial Pain

Presented by a line-up of Past-Presidents of the American Academy of Orofacial Pain, this module discusses the most common non-dental causes of facial pain: neuropathies of the trigeminal system, primary headaches and the Burning Mouth Syndrome.

Module 2. Temporomandibular Disorders

This module is dedicated to TMDs, from the basic diagnostic considerations to the best management strategies for both articular and muscular disorders.

Module 3. Sleep Dentistry

This module is dedicated to sleep medicine, with a focus on the role that dentists play in the diagnosis of sleep disorders of dental interest.

Module 4. Bruxism

This last module provides clinicians with a comprehensive overview of sleep bruxism and awake bruxism, the relationship between Sleep Bruxism and Obstructive Sleep Apnea, and the new Ecological Momentary Assessment (EMA).

In particular, the speakers will focus on these topics:

- **Neuropathies** of the trigeminal system
- Primary **headaches**
- **Burning Mouth** Syndrome
- **TMDs** overview
- **TMJ** disorders
- **Sleep** and Pain
- Sleep and headaches
- **The role of the dentist** in dental sleep medicine

Who the course is for?

The course is based on the principle **that every general dentist** can and should **play a central role** in the **prevention, diagnosis** and **management of orofacial pain** and **TMDs**. Participation in the course is therefore recommended for all dentists, both those who already work in the field and want to stay up-to-date by learning from top global experts and those who are new to these topics.



MODULES AND VIDEO LECTURES

MODULE 1 – OROFACIAL PAIN

In this first module, an exploration of the Orofacial Pain disorders - including neuropathic orofacial pains, burning mouth syndrome, and primary headache disorders - is offered to participants.

Prof. Bender begins the module by presenting the diagnostic protocols for some of the most commonly occurring neuropathic orofacial pains.

Prof. Robert Mier follows with an important discussion of the primary headache disorders.

Finally, to complete the season, Prof. Gary Klasser discusses the potential etiologic mechanisms of burning mouth syndrome, as well as on evidence-based diagnostic and therapeutic protocols for this extremely problematic disorder.

Video Lecture 1 - Neuropathies of the trigeminal system (1h 33min) By Prof. Dr. Steven Bender

Description:

The term orofacial pain commonly refers to pain associated with the hard and soft tissues of the head, face, oral cavity, and neck. Prof. Dr. Steven Bender discusses and describes three major orofacial pain disorders: TMDs, oromotor and jaw behavior disorders, and neurovascular and headache disorders.

He then explains that the pathophysiology of OFPs may be due to diseases of the orofacial structures, musculoskeletal system disorders, peripheral or central nervous system disorders, systemic maladies, the manifestation of psychosocial disorders, or possibly the sequela of poor sleep.

Video Lecture 2 - Primary headaches (min) by Prof. Dr. Robert W. Mier

Description:

Primary headaches are disorders that exist with no apparent underlying cause with recurrent or persistent head pain, whereas secondary headaches exist in relation to discrete inciting factors.

Prof. Dr. Robert Mier shows that primary headaches consist of migraine, tension-type headaches, trigeminal autonomic cephalalgias and hemicrania continua.

By following this lecture, you will deepen your knowledge of the proper diagnostic protocol for primary headaches and understand that diagnosis is a crucial clinical phase to help patients.

In particular, this video lecture focuses on:

- The description of the entities that comprise the Primary Headaches
- The different Primary Headaches
- The pathophysiology of Primary Headaches
- The available therapies to treat Primary Headaches

Video Lecture 3 - Burning mouth syndrome (min) by Prof. Dr. Gary D. Klasser

Description:

Burning Mouth Syndrome tends to be a rather enigmatic condition with indecision as to nomenclature, classification and diagnostic criteria.

By attending this lecture, you will dive deeper into this clinical topic that represents an enigma for the majority of health care providers. This presentation provides an overview of the current knowledge regarding Burning Mouth Syndrome based on evidence-based principles.

In particular, this video lecture focuses on:

- The current nomenclature, classification, diagnostic criteria and epidemiology associated with BMS.
- The signs and symptoms associated with BMS.
- The mechanisms and theories associated with the etiopathogenesis of BMS.
- Evidence-based management strategies for BMS.

MODULE 2: TEMPOROMANDIBULAR DISORDERS

The TMD module starts with an overview of the TMDs by Dr. Michail Koutris, followed by the lecture on TMJ disorders by Prof. Per Alstergren and, finally, the lecture on Muscle disorders by Prof. Daniele Manfredini. By attending these lectures, you will receive an overview of the up-to-date, evidence-based knowledge about masticatory muscles disorders and TMJs disorders with a focus on epidemiology, (differential) diagnosis, and management. Since all speakers are active experienced clinicians, they also share clinical cases during their lectures.

Video Lecture 4 - Temporomandibular Disorders overview (min) by Prof. Dr. Michail Koutris

Description:

The term Temporomandibular disorders (TMDs) is an umbrella term referring to musculoskeletal disorders in the orofacial area. It includes musculoskeletal pain in the orofacial region, which is the second most prevalent cause of orofacial pain after dental pathology, and functional disorders of the masticatory system. Prof. Dr. Koutris explores different diagnostic protocols of TMDs and explains how to set the proper diagnosis and exclude other pathologies in order to reach an appropriate and successful management of these conditions.

Video Lecture 5 - Temporomandibular Joint Disorders (min) by Prof. Dr. Per Alstergren

Description:

The aim of this lecture is to provide an overview of the state-of-the-art, evidence-based knowledge regarding TMJ pathologies and disorders with an emphasis on epidemiology, diagnosis and management. You will understand that TMJ pain can severely affect a person's everyday life, i.e. social interactions and physical activities. From primary and secondary TMJ pains and local and systemic TMJ arthritis to internal derangement and less common conditions as TMJ neoplasms, luxation and congenital disorders: all these topics are covered in detail in this video lecture.

Video Lecture 6 - Muscle disorders (min) by Prof. Dr. Daniele Manfredini

Description:

Temporomandibular disorders can be divided into conditions affecting the temporomandibular joints (TMJs) and conditions affecting the jaw muscles. This lecture focuses on the etiology, assessment, and possible consequences of muscle disorders.

From an etiological viewpoint, it is reasonable to think that emotional tension leading to prolonged muscle contraction is an important factor to explain the physiopathology of muscle disorders. The combination of factors that interplay to modulate these phenomena is discussed in this lecture.

MODULE 3: SLEEP DENTISTRY**Module Description:**

The objective of this thematic module is to make dentists understand the need for a deeper knowledge of the different sleep disorders and how these conditions can affect the different components of the masticatory system. This module offers a series of lectures to help you broaden your perspective on the field of Sleep Medicine to prevent further damage to the orofacial structures, provide better management of orofacial pain conditions, and increase your patients' well-being.

The field of Orofacial Pain has rapidly gained interest since the new definition of Dental Sleep Medicine pays attention not only to sleep-disordered breathing conditions but also to those conditions related to sleep that can have an impact on the patient's overall health, i.e. sleep bruxism, GERD, oral moistening disorders, sleep headaches and other kinetic mandibular disorders.

Video Lecture 7 - Sleep and Pain (min) by Prof. Dr. Antonio Romero Garcia**Description:**

In the last decade, the field of Sleep Medicine has gained among those general dentists and clinicians who were already devoted to the treatment of Temporomandibular Disorders and Orofacial Pain.

The purpose of this lecture is to provide an overview of the mechanisms underlying the bidirectional relationship between sleep and orofacial pain in three main areas: chronic musculoskeletal pain, neurovascular orofacial pain, and neuropathic orofacial pain.

Special attention is paid to conservative behavioral and pharmacological therapies.

Video Lecture 8 - Sleep and Headaches (min) by Prof. Dr. Davis Thomas**Description:**

Headache is one of the most common pain complaints in the general population. Sleep and headache appear to have a bidirectional relationship and share common elements in terms of anatomy and pathophysiology. You will understand that the management of headaches is integrally related to the management of concomitant sleep disorders, and vice versa. Sleep disorders and headaches share common comorbidities such as depression, a sedentary lifestyle, anxiety, and global pain. Prof. Dr. Davis Thomas explains that any factor that affects one of these phenomena can have a robust effect on the other.

Video Lecture 9 - Role of the Dentist in dental sleep medicine (min) by Prof. Dr. Thomas Bornhardt

Description:

The role of the dentist in sleep medicine has undergone a great evolution in recent years. Thus, the area of orofacial pain has become immensely closer to sleep medicine and a new concept, dental sleep medicine, has also been generated. This area of interest does not only involve sleep bruxism as in the past but also includes different concepts that influence sleep and its different pathologies.

The purpose of this presentation is to review all the different areas where the orofacial pain dentist can contribute to sleep medicine, from diagnosis to treatment.

MODULE 4: BRUXISM

Bruxism is an oral condition that is gaining increasing interest from several communities of medical and dental practitioners. Over the past decade, an expert panel has worked to provide a consensus definition of bruxism as an umbrella term to indicate different masticatory muscle activities, with or without teeth contact, that may occur during sleep or wakefulness. More recently, dedicated closed meetings were held during IADR General Sessions from 2018 on to start working on a multidimensional evaluation tool for bruxism. This instrument, the Standardized Tool for the Assessment of Bruxism (STAB), aims to provide an overview to evaluate multiple issues concerning bruxism etiology, status, consequences and comorbid conditions.

Within these premises, the newest findings in bruxism research and future goals of the expert panel agenda can be shared with the dental community.

Video Lecture 10 - Bruxism Today (min) by Prof. Dr. Frank Lobbezoo

Description:

In this lecture, an update on current bruxism concepts is provided, with a focus on its definition and assessment. You will learn that bruxism is much more than just grinding teeth while asleep, being a muscle activity with multiple implications related to its multifaceted etiology, clinical manifestations, possible consequences, and

interplay with comorbid conditions. Researchers will be updated on the emerging findings that are to be taken into consideration for the design of a proper evaluation instrument.

Video Lecture 11 - Awake Bruxism and ecological momentary assessment (min) by Dr. Alessandra Zani

Description:

The 2018 bruxism consensus paper provided two separate definitions for sleep bruxism (SB) and awake bruxism (AB). The introduction of a specific definition for AB is of particular interest because it has implications concerning its diagnosis, especially in light of the influence that the adoption of different diagnostic strategies may have on the prevalence data reported.

You will understand that muscle behavior should be measured at best with continuous electromyographic recordings during wakefulness. On the other hand, it should be recognized that acquiring hour-long EMG recordings while awake is difficult for obvious technical reasons as well as discomfort for the patients. For this reason, an alternative option to AB assessment, viz., the Ecological Momentary Assessment (EMA), has been suggested.

This lecture guides you through the latest novelties on the use of EMA in clinical and research settings, with a focus on its diagnostic and therapeutical implications.

Video Lecture 12 - Sleep Bruxism and Obstructive Sleep Apnea (min) by Dr. Anna Colonna

Description:

Bruxism is a phenomenon that is gaining increasing interest from several medical and dental practitioners for its multifaceted clinical implications. This lesson aims to get deeper into the world of Sleep Bruxism and Sleep Apnea by describing the features of bruxism within the complex sleep architecture, with a focus on its relationship with respiratory events.

You will learn that sleep bruxism is much more than just "grinding the teeth". Bruxism is a complex spectrum of jaw muscle activities with multifactorial etiology, and a variety of clinical manifestations, potential consequences, and interactions with possible comorbid conditions. Concerning the specific topic of the lecture, you will deepen your knowledge of cardiorespiratory polygraphy and the use of MADs (Mandibular Advance Devices).



Scan the code
and enter the
course

OROFACIAL PAIN ACADEMY CHANNEL

Four seasons in orofacial pain



Steven Bender

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Daniele Manfredini

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The dental learning platform

