LECTURES

DENTAL ONCOLOGY LECTURES

My patient has cancer, now what?: Dental Oncology 101

HPV related oral cancers are on the rise, and while cancer therapy saves lives it results in myriad oral and dental sequelae. How do we treat them? What are they? When is it safe and appropriate to provide dental care to the head and neck cancer patient? This lecture will provide dental clinician with the armamentarium to treat and manage the dental patient undergoing head and neck radiation therapy and chemotherapy. It will focus on pre-treatment assessment and evaluation of the oral cancer patient as well as what is necessary when the oncology team asks for a 'dental clearance' prior to oncologic therapy. Furthermore, this lecture will introduce the dentist to the pathophysiology and management of varied oral sequelae including osteoradionecrosis of the jaw (ORN), mucositis, hyposalivation and radiation fibrosis along with the oral and dental manifestations associated with head and neck radiation therapy and chemotherapy. It will also discuss the ideal time to treat patients while undergoing chemotherapy as well as the appropriate and important questions to ask the patient's oncologist and help providers become a vital member of the patient's oncology team.

Upon completion of this lecture, the student will:

• become more familiar with dental oncologic issues
• identify when it is ideal to perform dental treatment on a patient undergoing chemotherapy

Diagnosing oral cancer: evaluation and management

This lecture would introduce the clinician to the diagnosis and management of oral cancer. The lecture will review not only how to conduct a thorough oral cancer evaluation but also adjunctive in-office diagnostic aids. Additionally, the lecture would discuss the epidemiology of oral cancer and the pathophysiology of oral premalignant lesions. It will also discuss risk factors for developing oral cancer and the signs and symptoms of oral cancer. This lecture will also introduce the dental professional to treatment modalities for oral cancer patients

At the end of the lecture, the student will

- Become more familiar with the identification of premalignant lesions
- Understand the epidemiology and pathophysiology of oral cancer
- Become more familiar with how oral cancer is treated and the dentist's role in helping to prevent oral cancer

Orofacial Pain and Cancer Therapy: How are they related?

Orofacial pain is a common sequelae that affects head and neck cancer patients. It may present in the form of radiation fibrosis syndrome, trigeminal neuralgia, neuropathic/neurotoxic pain or as a myofascial pain syndrome that mimics TMD. This course will not only review how radiation therapy and chemotherapy is related to orofacial pain but will also review treatment modalities for various pain related conditions that affect orofacial pain patients in general.

Upon completion of this course, the student will:

- Become more knowledgeable in the presentation of orofacial pain in patients
- Be able to distinguish orofacial related pain conditions in the cancer and non-cancer patient

Dental Rehabilitation after Oral Cancer

Unfortunately, although oncologic therapy saves lives, it is associated with a multitude of oral and dental sequelae. How do we treat them? What are they? When is it safe and appropriate to provide dental care to the head and neck cancer patient? This lecture will provide the oral healthcare professional with the knowledge to treat and manage the dental patient after head and neck radiation therapy and chemotherapy. It will discuss post-therapy assessment and evaluation

of the oral cancer patient as well as introduce the clinician to the pathophysiology of the associated oral sequelae. The lecture will also discuss rehabilitating the patient. The lecture will focus on not only managing oral manifestations associated with cancer therapy, including osteoradionecrosis of the jaw (ORN), mucositis, hyposalivation and radiation fibrosis syndrome, but also mention the dental and prosthodontic considerations. Finally, the lecture will provide the clinician with the tools to become a vital member of the patient's oncology team.

Upon completion of this lecture, the student will:
• become more familiar with the oral and dental sequelae associated with cancer therapy
• identify when it is ideal to perform dental treatment on a patient after the patient has completed therapy
• understand the dental considerations in rehabilitating a patient with a history of oral cancer after the completion of cancer therapy
• become more familiar with the prosthodontic considerations in a patient with a history of oral cancer

OROFACIAL PAIN AND TMD LECTURES

My face hurts, help! Treating the orofacial pain patient
TMJ and orofacial pain may seem extremely difficult to treat, but it doesn't have to be. This lecture will introduce clinicians to the world of orofacial pain and discuss conditions as well as review the anatomy of the TMJ and disc. The lecture will also discuss classification of the TMJ disorders and provide clinicians with methods to diagnose these conditions.
At the end of the lecture, the student will:

- Become more familiar with diagnosing orofacial pain related conditions
- Become familiar with performing an orofacial pain related examination

What's that noise? An introduction to diagnosing and managing TMJ Derangements and Arthrogenous Disorders
Disc displacement with reduction, disc displacement without reduction, open dislocation, open locking, what's the difference? How do we distinguish among them? Diagnosing a TMJ related condition can feel overwhelming! In this lecture, we will discuss evaluating TMJ derangements and arthrogenous disorders. The lecture will highlight diagnostic methods and introduce the clinician to treatment modalities including interventional procedures.
At the end of the lecture, the student will:

- Become more familiar with diagnosing TMJ derangement disorders
- Become more knowledgeable in the pathophysiology of TMJ arthralgia, osteoarthritis, rheumatoid arthritis and psoriatic arthritis and how these conditions affect the TM joint
- Become more familiar with the associated treatment modalities

Is it really the jaw joint or is just the muscles? Treating masticatory myogenous disorders
Often, patients present complaining of facial pain and the underlying etiology is myogenous in nature. But sometimes diagnosing a muscle-related painful condition is not so straightforward. This lecture will provide clinicians with the tools to diagnose masticatory myogenous disorders. Clinicians will become familiar with the differences among myofascial pain, fibromyalgia, and localized myalgia. We will also discuss trigger points and taut bands. The lecture will talk about the etiologies, prevalence and incidence. It will also touch upon treatment modalities.

At the end of the lecture, the student will:

- Have a better understanding of what a masticatory myogenous disorder is
- Become more familiar with diagnosing masticatory myogenous disorders
- Learn the definition of a trigger point and distinguish the difference between a latent and active trigger point

The Pain is Lancinating! An introduction to neuralgia affecting the head and neck
This lecture will introduce clinicians to the pathophysiology of trigeminal neuralgia, glossopharyngeal neuralgia and other orofacial neurological conditions. The lecture will provide clinicians with tools to diagnose these conditions as well as highlight various treatments.
At the end of the lecture, the student will:

- Become more familiar with trigeminal neuralgia
- Become more knowledgeable in managing and treating orofacial neuralgias

Clenching, bruxism and oral motor disorders
Why do people grind or clench their teeth? How many people actually grind or clench their teeth? Is there a way for us to treat this? How much clenching and grinding force do humans actually exert? This lecture will answer these questions. The lecture will discuss the pathophysiology of bruxism and clenching as well as discuss other oral motor disorders including dystonia, dyskinesia and extrapyramidal syndrome. The lecture will also review occlusal appliances and discuss when they are an appropriate treatment consideration.
At the end of the lecture, the student will:

- Learn the pathophysiology behind bruxism and clenching
- Understand the difference between orofacial dystonia and dyskinesia
- Become familiar with the role of occlusal appliances in managing bruxism and clenching

Oral motor disorders and botox
Did you know that botox may be a treatment modality for patients with dystonia or dyskinesia? This lecture will not only review the various oral motor disorders that a dentist may encounter in his/her practice but will also delineate treatment modalities. The lecture will introduce the clinician to botox and review its efficacy in treating these conditions.
At the end of the lecture, the student will:

- Become more familiar with oral motor disorders
- Understand the difference the role of botox in treating these conditions

Orofacial rheumatology
This lecture will introduce clinicians to mobility and connective tissue disorders that may affect the TMJ. The lecture will review the pathophysiology of these conditions, their prevalence along with management considerations.
At the end of the lecture, the student will:

- Become more familiar with systemic conditions that may affect the TMJ
- Gain an understanding of treatment modalities for these conditions

SLEEP MEDICINE LECTURES

A lecture that won't make you zzz: dental sleep medicine 101*
This lecture will introduce the clinician to dental sleep medicine as well as treatment modalities for obstructive sleep apnea. At the end of the lecture, the clinician will not only have reviewed the

pathophysiology of obstructive sleep apnea but also common methods to treat obstructive sleep apnea.
At the end of the lecture, the student will:

- Become more familiar with reading a PSG
- Become more familiar with the signs and symptoms of obstructive sleep apnea and the dentist's role in the treatment of OSA
- Become more familiar with fabricating an oral appliance for obstructive sleep apnea

*This lecture can also be broken up into a full day course where the first half is discussing pathophysiology and sleep medicine and the second half is treatment