

2024

Prevention and Management of Treatment Complications in Dentistry



HARVARD
School of Dental Medicine
Division of Periodontology

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March 2nd, 2024
09:00AM ~ 13:00 PM EST
BOSTON, MA (HSDM)

CE Credit: 4 ADA Credit Hours

Tuition: \$299

Prerequisites: None

Cancellation Policy: Only cancellation 7 days before the course will be eligible for full refund. No refund within 7 days of the course start date

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WHAT TO EXPECT

- 08:50 AM – **Welcoming Introduction**
09:00 AM *Dr. David M Kim (Periodontist, Moderator)*
- 09:00 AM – **Management of Prosthodontic Complications**
09:30 AM *Dr. Sang Lee (Prosthodontist)*
- 09:30 AM – **Common Complications in Endodontics**
10:00 AM *Dr. Jarshen Lin (Endodontist)*
- 10:00 AM – **Complications in Oral Appliances in the Treatment of TMD and Dental Sleep Medicine**
10:30 AM *Dr. Roxanne Bavarian (Oral Medicine, Orofacial Pain, and Dental Sleep Medicine)*
- 10:30 AM – Q/A & Break
10:45 AM
- 10:45 AM – **Perioceutics – Knowledge to Maintain Periodontal Patients And Prevent Complications**
11:15 AM *Dr. Larissa Steigmann (Periodontist)*
- 11:15 AM – **How to Prevent Periodontal Complications in Orthodontics: Expansion versus Extraction**
11:45 AM *Dr. Sercan Akyalcin (Orthodontist)*
- 11:45 AM – **Implant Complications: All-on-X Failure, What Do We Do Now?**
12:15 PM *Dr. Alejandro Lanis (Implantologist)*
- 12:15 PM – **Panel Discussion**
13:00 PM



Dr. Sang Lee

Associate Professor
Harvard School of Dental Medicine

Management of Prosthodontic Complications

Course Content:

One of the challenges in prosthodontics is understanding the treatment complications and identifying how to manage such situations. Furthermore, preventing such complications highly depends on the treatment modality dictating the treatment outcome and prognosis. This lecture will provide examples and review of prosthodontic complications ranging from removable and fixed prosthodontics to implant prosthodontics. The lecture will also include scientific evidence addressing distinct aspects of prosthodontic complications and recommendations on preventing such complications and improving the treatment longevity. After the lecture, clinicians can make informed decisions and provide optimal prosthodontic care to patients.

Educational Objectives:

- Understand the prosthodontic complications specific to implant prosthodontics, removable prosthodontics, fractures, and occlusion.
- Review the current literature specific to prosthodontic complications and management.
- Review the clinical guidelines and make informed decisions to improve the longevity and outcome of the prosthodontic treatments.



Dr. Jarshen Lin

Instructor

Harvard School of Dental Medicine



Common Complications in Endodontics

Course Content:

Despite advancements in techniques and materials, dentists often need help with endodontic procedures, necessitating a comprehensive understanding of their etiology, prevention, and management. This presentation aims to delve into the multifaceted realm of endodontics complications, thoroughly exploring the challenges clinicians face. The presentation will encompass a broad spectrum of issues, ranging from procedural difficulties to unexpected anatomical variations, and delve into complexities of patient-specific factors that can impact treatment outcomes.

Educational Objectives:

- Review of diagnosis and treatment changes over the past decade and how they have shaped our current understanding of complications in endodontics.
- Discussion of the prevention and prognosis of various endodontic complications.
- After the lecture, the participant should be able to recognize and manage endodontic complications, including post-op pain, flare-up infection, perforation, crack, and vertical root fracture.



Dr. Roxanne Bavarian

Lecturer

Harvard School of Dental Medicine

Complications in Oral Appliances in the Treatment of TMD and Dental Sleep Medicine

Course Content:

Several oral appliance styles are on the market to treat pain related to bruxism and temporomandibular joint and muscle disorders. What does the evidence show, and which styles are best? This lecture will review oral appliances to treat temporomandibular disorders, and which have “stood the test of time” and which are associated with damage to the teeth or malocclusion.

Similarly, over 70 styles of oral appliances are on the market to treat obstructive sleep apnea. We will discuss the indications for oral appliances to treat obstructive sleep apnea and their potential downstream complications and management.

Educational Objectives:

- Review the different styles of oral appliances for treating temporomandibular disorders and the styles of oral appliances associated with unwanted occlusal changes and damage to teeth.
- Discuss the role of dentists in sleep medicine and indications for an oral appliance to treat obstructive sleep apnea.
- Recognize the side effects of treatment with oral appliances to treat obstructive sleep apnea and their management.



Dr. Larissa Steigmann

Part-Time Lecturer

Harvard School of Dental Medicine



Perioceutics - Knowledge to Maintain Periodontal Patients and Prevent Complications

Course Content:

Challenges of periodontal therapy include the evaluation of prognostic criteria and determining their importance in periodontal therapy. Therefore, treatment complications are commonly manifested by the latter evaluation, which confounds the periodontal trajectory of the case and may eventually lead to misguided initial therapy. Preventing such complications may be accompanied by adding treatment modalities, including antibiotic, antiseptic, and host-modulation therapy. Identifying and controlling periodontal patients plays an even more crucial role in the modern era of implant therapy. This lecture will contrast different trajectories of periodontal disease cases over time by reviewing prognostic criteria to maintain periodontal patients. We will discuss several treatment modalities and their clinical impact. Furthermore, we will discuss the challenge of including implant therapy in periodontal disease patients and the risks associated with it.

Educational Objectives:

- Review the trajectory of periodontal disease cases and scientific evidence on periodontal maintenance over time.
- Discuss treatment modalities, including antibiotic, antiseptic, and host-modulation therapy.
- Recognize the challenges of implant therapy in periodontal disease patients.



Dr. Sercan Akyalcin

Associate Professor
Harvard School of Dental Medicine

How To Prevent Periodontal Complications in Orthodontics: Expansion vs. Extraction

Course Content:

One of the most common limiting factors in orthodontic treatment planning is the limited understanding of the critical issues in the three-dimensional space. Conventional brackets, lingual appliances, and clear aligners are all capable of moving teeth. Moving teeth may be the most straightforward part of the orthodontic treatment. However, moving teeth wisely within the individual's alveolar envelope that would also complement the facial structures and surrounding tissues requires more depth of knowledge and skill. This presentation aims to define the critical elements of diagnosis and explain the step-by-step treatment planning procedures with contemporary appliances to avoid periodontal breakdown and complications.

Educational Objectives:

- To understand the main elements of orthodontic diagnosis.
- To define the main biomechanical differences between the appliance systems (expanders, aligners vs. conventional appliances).
- To design efficient treatment strategies for preserving the intactness of alveolar bone and the periodontium.



Dr. Alejandro Lanis

Assistant Professor
Harvard School of Dental Medicine



Implant Complications: All-on-x Failure, What Do We Do Now?

Course Content:

Full arch implant-supported restorations are gaining popularity among clinicians due to the high demand of fully edentulous patients and terminal dentition patients for fixed restorations. Nevertheless, this treatment modality is considered a complex procedure and major considerations should be taken during the diagnosis, planning, and delivery of these prostheses. After this presentation, participants would be able to understand important concepts for treatment planning to avoid potential complications that can occur during the surgical and/ or prosthetic phases.

Educational Objectives:

- Understand clinical complications related to the All-on-X concept from a surgical perspective.
- Understand clinical complications related to the All-on-X concept from a restorative perspective (immediate loading).
- Review the clinical guidelines to avoid or solve the described situations.