

# LEADING EXPERTS OF ESTHETIC DENTISTRY *Enduring esthetics through restoration of health*



**VISTA** Institute  
for Therapeutic Innovations



June 23-25, 2023

## LEADING EXPERTS OF ESTHETIC DENTISTRY

### Enduring esthetics through restoration of health

Esthetic dentistry is not about mere improvement of superficial appearance. How does esthetic enhancement serve our patients if there are underlying problems that jeopardize its maintenance? Enduring esthetics can only be achieved through restoration of health. This requires a holistic approach to consider the whole patient. This educational event will bring together leading experts of periodontology, prosthodontics, orthodontics, implant dentistry, oral medicine, and restorative dentistry. These experts will discuss some of the most relevant topics in clinical dentistry, including peri-implantitis, periodontitis, worn dentition, immediate implant therapy, ceramic implants, oral pathology, airway, orthodontics, occlusion, and osteoporosis medications. This is an event which is appropriate for clinicians of all disciplines. Hope to see you there.

## **Joseph Kan, DDS, MS**

Achieving anterior implant esthetics is a challenging and demanding procedure. Creating implant restorations with harmonious mucosal contours that emulate nature is a fusion of science and art. Understanding the biologic and physiologic limitations of soft and hard tissue will facilitate predictability in complex esthetic situations. This presentation encompasses Orthodontics, Periodontics and Restorative Dentistry, and will focus on current implant treatment philosophies and methodologies for replacing currently missing teeth and the management of patients who will be losing a tooth or teeth in the esthetic zone. Emphasis will be placed on risk assessment, diagnosis, interdisciplinary treatment planning, soft and hard tissue reconstruction, as well as management of complications.

### **Educational Objectives:**

The following topics will be discussed:

- -Prognostic keys for predictable esthetic implant treatment
- -Immediate vs. Delayed vs. Early tooth replacements concepts
- -Bone and connective graft concepts and limitations
- -Papilla management
- -Management of surgical and prosthetic complications
- -Management of interdisciplinary cases (Ortho, Perio & Prosthodontics)
- -Long- term case follow-up
- -Provisionalization and final restorations contours
- -Root shield: What we know and what we do not know

## **Baldwin W. Marchack D.D.S.**

### **The role of occlusion in esthetic and implant dentistry**

Patients today want teeth that are brighter and whiter and natural looking, thus more esthetic surgical and restorative procedures are being performed. And they want fixed solutions for their missing teeth, hence more dental implant procedures are being performed. When we offer these procedures, our restorations for natural teeth and implants are usually being made on one type of laboratory CAD/CAM system or another. Most restorations are being designed using virtual wax-ups selected from a digital library of teeth that are literally stretched or condensed to fit your patient's available space. The question becomes what is the best way to manage the occlusion on these CAD/CAM restorations?

This presentation will discuss a practical approach to managing the occlusion in esthetic and implant restorations for predictable, successful outcomes.

### **EDUCATIONAL OBJECTIVES:**

- Understand the biomechanics of teeth and implants
- Understand how to manage the occlusion of CAD/CAM restorations
- Consistently establish predictable occlusal schemes for successful esthetic and implant restorations

**Richard D. Roblee DDS, MS**

***“The Next Generation of Interdisciplinary Esthetic Dentistry: Digitally Empowered with an Airway Focus”***

Experience consistently reminds us that the most challenging esthetic and restorative dilemmas fall into a “*gray zone*” between traditional dental specialties and therapies. The complexities of diagnosing these problems and the lack of optimal treatment options have historically led to inappropriate treatment and disappointing compromises. The cutting-edge restorative dentist must be the team *quarterback* and effectively *collaborate* with their interdisciplinary team to optimally address these concerns. These leadership skills are even more critical today with our new understanding of the *Airway* and dentistry’s role in developing and maintaining it. Traditionally, this Interdisciplinary *Team Leader* role has been challenging at best, but digital technology is here to help. This presentation will focus on the time-proven philosophy of *Interdisciplinary Dentofacial Therapy (IDT)* that has undergone over thirty-five years of evolution. It diagnoses the *Fundamental Components of Dentofacial Problems*. It then optimally manages each *Problem* by combining traditional therapies with non-traditional treatment modalities and philosophies to address the underlying issues and predictably achieve optimal long-term success. These new interdisciplinary options include Digital Smile Design (DSD), Digital Collaboration, Airway-Focused Diagnosis and Treatment, High-Tech Clear Aligner Therapy, Mini-implant Assisted Rapid Palatal Expansion (MARPE), and Surgically Facilitated Orthodontic Therapy (SFOT).

**Educational Objectives:**

- Solutions to esthetic and restorative dilemmas often fall into a “*Gray Zone*” between the different disciplines.
- An interdisciplinary approach is needed to diagnose and treatment plan these problems correctly.
- The future of Interdisciplinary Dentofacial Therapy (IDT) is “*Digitally beginning with the end in mind.*”
- Digital technology can significantly strengthen and simplify the Interdisciplinary process.
- An “*Airway-Focused*” approach empowers the IDT team to treat major underlying health issues while making the patient more beautiful at the same time.
- Diagnosis using the “*Fundamental Components of Dentofacial Problems*” and then optimally managing each *Problem* by combining traditional with non-traditional treatment modalities

**Abdi Sameni, DDS, FACD**

**Conservative Solutions for Complex Anterior rehabilitations**

Advances in adhesive technology and protocols, coupled with an interdisciplinary approach have recently been employed to address some of the most complex dental rehabilitation. These strategies have compared favorably to far more invasive prosthetic reconstructions in mimicking natural dentition in form and function. With that mindset, the goal of this presentation, is to propose novel concepts and protocols to extend the life of natural tooth. These concepts and protocols will

be illustrated through well-documented clinical cases that will demonstrate the extreme measures taken to protect, preserve, restore and reconstruct damaged or missing anterior teeth in the most conservative manner.

### **Educational objectives**

- Compare and contrast the advantages and disadvantages of implants to natural teeth in the “smile zone”.
- Learn the advantages of adhesive dentistry in restoring teeth.
- Understand the benefits of resin-bonded fixed partial dental prostheses

### **Neimar Sartori, DDS**

#### **Complex rehabilitation: Integrating Digital Technology with Esthetic and Functional Principles.**

Recent advancements in technology, materials, and techniques have greatly expanded the treatment options available for both single-unit restorations and full-mouth rehabilitations. This lecture will provide a comprehensive overview of the principles of dental adhesion, esthetic dentistry, and current materials and techniques, as well as the integration of digital technology in interdisciplinary treatments for complex cases.

Through a combination of clinical and scientific perspectives, attendees will learn about esthetic and functional rehabilitation of complex cases, including the restoration of worn dentition. The lecture will also explore the challenges and opportunities presented by the use of digital technology in establishing predictable outcomes in interdisciplinary treatments.

**Educational objectives:** By the end of the presentation, attendees will be able to:

- Recognize the benefits of cutting-edge materials and techniques
- Understand the principles of dental adhesion and esthetic dentistry
- Appreciate the possibilities offered by digital technology.
- Become well-equipped to approach complex cases with confidence and achieve predictable outcomes.

### **Parish P. Sedghizadeh DDS, MS, QME**

#### **The Good, the Bad, and the Ugly: An update on oral lesions and pathology for the clinician**

This talk will provide an update on oral lesions and oral pathology for the clinician. Common, rare, and new entities will be discussed, ranging from developmental to reactive and neoplastic conditions. Both soft tissue and hard tissue pathology will be covered, including approaches to diagnosis and management. The topics and learning objectives that will be addressed in this talk include:

- Review of oral lesions and pathology encountered in clinical practice
- Identification and treatment of developmental, reactive, and neoplastic oral conditions
- Diagnosis of mucosal lesions, salivary gland pathology, odontogenic and non-odontogenic jaw lesions, and soft tissue pathology
- Diagnosis and management of oral precancerous and cancerous lesions including SCC
- Diagnosis and management of oral infections including bacterial, fungal and viral diseases such as herpesvirus and HPV-related conditions
- Radiographic pathology diagnosis including CBCT imaging

## **Parish P. Sedghizadeh DDS, MS, QME**

### **Anti-resorptive therapy and medication-related osteonecrosis of the jaw**

This talk will focus on the dental management of patients on anti-resorptive therapy (ART). Millions of Americans are currently receiving anti-resorptive drugs to treat common bone disorders such as osteoporosis, cancer metastases to bone, and multiple myeloma. Of the ART drugs, nitrogen-containing bisphosphonates (BPs), with their high affinity for bone and long safety record, constitute the largest class followed by the monoclonal antibody denosumab. However, a serious complication and adverse effect of ART is medication-related osteonecrosis of the jaw (MRONJ), which clinically is often characterized by painful and exposed non-vital jawbone (sequestrum) in the oral cavity. Also, patients taking ART can experience poor treatment outcomes as related to numerous dental procedures including implant therapy. For patients, MRONJ can interfere with their dental, rheumatologic, or oncologic care and therefore it is important for the oral health care professional to understand this condition. The topics and learning objectives that will be addressed in this talk include:

- Review of bone physiology and resorptive pathology
- Role of anti-resorptive therapy (ART) in bone disease treatment
- Pharmacokinetics and pharmacodynamics of ART drugs
- The impact of ART on dental patients and dental treatment
- Definition and staging of MRONJ
- Clinical, radiographic, and pathologic features of MRONJ
- Etiopathogenesis of MRONJ
- Management and prevention of MRONJ
- Medicolegal considerations for invasive dental procedures in patients on ART

## **Karl Ulrich Volz, DMD**

### **Immediately Loaded Zirconia Implants: A Concept for Soft Tissue Management and Regenerative Approach**

Since zirconia implants came to market, their use in the esthetic zone was seen as an ideal option to titanium. But early assumptions about material strength, osseointegration, along with limited designs and protocols hampered its acceptability in the mainstream implant community. However, today's options, techniques, and proven osseointegration and high esthetic results achieved with zirconia implants have earned its place as an alternative to titanium.

This program will demonstrate how utilizing one- and two-piece zirconia implants and the Swiss BioHealth Concept, which is supported by over 20 years of expertise can achieve predictable and reproduceable results in the esthetic zone. Attendees will also learn about immune system activation, differences between titanium and ceramic implant designs promoting successful osseointegration, drilling protocols to a compression-free bone preparation reducing fracture risk, and successful bone augmentation strategies for zirconia implants.

**Hom-Lay Wang, DDS., MSD., Ph D.**

**Title: Unfolding peri-implantitis**

Implant complications have become a major challenge for many dentists who placed implants. Recent research findings on how implant restoration designs influence the incidence of implant complications will be illustrated and thoroughly discussed in this lecture. We will explore the current understanding of the factors contributing to the peri-implant disease and discuss new approaches for managing implant complications through surgical interventions. Additionally, this lecture will examine the benefits of using both submerged and non-submerged surgical protocols for the management of infraosseous peri-implant defects regeneration, as well as current concepts on the implantoplasty.

**Learning Objectives**

- Recognize predisposing and precipitating factors associated with peri-implant complications
- Understand the link between peri-implant bone loss and restorative designs.
- Understand current surgical treatment modalities for the management of peri-implantitis

**Homa H Zadeh, DDS, PhD**

**Periodontal regeneration in concert with clear aligner therapy for saving teeth with advanced periodontitis.**

Periodontal regenerative therapy aims to restore periodontal attachment apparatus destroyed by inflammatory periodontal diseases. The objectives of periodontal regenerative therapy include improvement of the prognosis of teeth, as well as restoration of health, function, esthetics, and comfort. Over the years, a variety of therapeutic approaches have been described. Ample long-term data have documented the efficacy of regenerative periodontal therapy. Periodontal regeneration has been shown to improve the prognosis of hopeless teeth and is a less costly alternative to tooth extraction and replacement with implants. More importantly, when provided the choice, most patients prefer to save their own natural teeth, rather than to extract and replace with implants. In particular, the recognition of many of the complications with implant therapy have prompted re-examination of the merits of periodontal therapy, in order to preserve natural teeth. Advanced periodontitis often leads to pathogenic migration of teeth. Restoration of esthetics requires the return of teeth to optimal position. Clear aligner therapy (CAT) has many features that are well suited for the treatment of periodontitis patients.

**Educational objectives:**

- Diagnose, prognosis and case selection for regenerative periodontitis therapy
- Material and protocols used in regenerative periodontal therapy
- Long-term results of regenerative periodontal therapy for advanced periodontitis
- Clear aligner therapy advantages and disadvantages for periodontitis patients

**Homa H Zadeh, DDS, PhD**

**Reconstruction of atrophic alveolar ridge in the esthetic zone for prosthetically guided restoration.**

Patients with atrophic alveolar bone have a variety of presentations, which can affect the efficacy of bone augmentation, either in a favorable or unfavorable manner. Many of the protocols and material used for alveolar ridge augmentation have unacceptably high potential for complications. This presentation will discuss treatment options for patients with atrophic alveolar bone, based on the likelihood of achieving success, including alveolar ridge augmentation, soft tissue augmentation or replacement with prosthetic tissue (pink ceramic).

**Educational objectives:**

- Parameters affecting outcome of alveolar ridge augmentation
- Alveolar ridge augmentation protocol and material with lowest complication potential
- Application of soft tissue augmentation to restore deficient alveolar ridge
- Prosthetic tissue guidelines when ridge augmentation is not feasible or accepted.

## **HANDS-ON WORKSHOPS**

**Sunday June 25, 2023, 8:00AM – 12:00 PM**

**Title:** Submerged approach for Peri-implantitis infra-osseous defects regeneration

**Speaker:** Hom-Lay Wang, DDS., MSD., Ph D.

**Abstract:** Implant complications have become a major challenge for many dentists who placed implants. This hands-on exercise is designed to train participants in the newly developed “EP-DDS submerged approach” for regenerating of peri-implant infraosseous defects. This exercise will help participants become familiar with the approach and its technique.

### **Learning Objectives**

- Know how to perform EP-DDS protocol for regenerating peri-implant defects.
- Learn how to do perform implantoplasty and guided bone regeneration
- Familiarize yourself of tools for disinfected contaminated implant surface

**Sunday June 25, 2023, 1:00 – 5:00 PM**

**Joseph Kan, DDS, MS**

### **Immediate implant placement and soft tissue augmentation in the esthetic zone.**

Implant placement in the esthetic zone is challenging with very little room for error. Immediate implant placement is even more challenging due to all of the parameters that have to be considered to increase it's predictability. This hands-on session will involve placement of an implant in a proper 3D position in the anterior fresh extraction socket. Soft tissue augmentation is an important aspect of the protocol to ensure proper mucosal contour and prevent future esthetic complications. This workshop will entail exercise in harvesting connective tissue graft from the lateral palate and placing via a tunnel onto the facial aspect of the implant. The participants will also learn how to prepare an immediate provisionalize with proper sub-gingival contour.

### **Educational objectives:**

- Criteria for 3D implant position into fresh extraction socket
- Soft tissue augmentation using tunnel technique around immediate implant
- Immediate provisional: criteria and technique for contour development



## TUITION

<b>Category</b>	<b>Before April 10</b>	<b>April 10-May 31</b>	<b>After June 1</b>
In-person lecture	<b>\$695</b>	<b>\$895</b>	<b>\$995</b>
Remote lecture	<b>\$495</b>	<b>\$695</b>	<b>\$795</b>
Lecture + 1 workshop	<b>\$1195</b>	<b>\$1395</b>	<b>\$1495</b>
Lecture + 2 workshops	<b>\$1595</b>	<b>\$1795</b>	<b>\$1895</b>

### **VISTA Institute for Therapeutic Innovations**

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