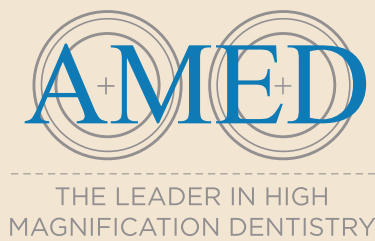


Western Society of Periodontology 73rd Annual Scientific Session  
& Western Dental Hygiene Symposium  
Academy Of Microscope Enhanced Dentistry 24th Annual Meeting



# WSP / AMED 2025

La Jolla, California  
SEPTEMBER 12-14

*"Integrating the Surgical and Restorative Teams  
for Superior Esthetic Outcomes"*

La Jolla Cove  
San Diego  
Announcing Our  
**KEYNOTE SPEAKER**



**DR. CHERILYN D. SHEETS,  
DDS**

## ATTENDEE'S BROCHURE SPEAKERS

Announcing our  
**KEYNOTE SPEAKER**  
Dr. Cherilyn D. Sheets

Dr. Rick Miron  
Dr. Homa Zadeh  
Dr. Ali Sajadi  
Dr. Fereidoun Daftary  
Dr. Thaer Alqadoumi  
Dr. Eduardo R. Lorenzana  
Dr. Ed McLaren  
Dr. Peter Nordland  
Dr. Jean Wu

Dr. David Clark  
Dan McNeff  
Dr. Jim Janakievski  
Dr. Yasuko Nemoto  
Dr. Makoto Ono  
Dr. José Carlos da Rosa  
Dr. George Kotsakis  
Susan Wingrove, RDH  
Dr. Paul Chang  
Dr. Lauralee Nygaard  
Dr. Irene Marron-Tarrazzi

Dr. Juan Carlos Ortiz Hughes  
Dr. Mario Zuolo  
Kiaresh Karimi  
Dr. Masoud Hasaanazadeh  
Dr. Sadaki Sakamoto  
Dr. Eason Chen  
Dr. Christopher Laing  
Dr. Laurence R. Rifkin  
Dr. Rashad Riman  
Dr. Judy McIntyre  
Dr. Kiyotaka Shibahara

Dr. Andras Forster  
Dr. Satish Kumar  
Dr. Kami Hoss  
Kathy Bassett, RDH  
Lynn Atkinson, RDH  
Jodi Deming, RDH  
Anne Rice, RDH  
Sherri Lukes, RDH  
Lora Hooper, RDH  
Nancy Miller, RDH, BA  
Tricia Osuna, RDH



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Western Society of Periodontology 73rd Annual Scientific Session  
Western Dental Hygiene Symposium  
Academy of Microscope Enhanced Dentistry 24th Annual Meeting  
**The Leaders in Collaborative Care**



**"Integrating the Surgical and Restorative Teams for Superior Esthetic Outcomes"**

**Welcome**  
**73 YEARS IN THE MAKING!**

Welcome to the 73rd Annual Meeting of the Western Society of Periodontology (WSP), the 24th Annual Meeting of the Academy of Microscope Enhanced Dentistry (AMED), and the 6th Annual Western Dental Hygiene Symposium (WDHS). The dates to mark on your calendar are September 12-14 in La Jolla, California.

The theme of this year's meeting is **"Integrating the Surgical and Restorative Teams for Superior Esthetic Outcomes"**

The 2025 Annual Session has chosen the amazing Hilton La Jolla Torrey Pines, San Diego, CA. Please join us for this exciting in-person learning event and create a true interdisciplinary vision for your dental practice as you learn from the leaders in dentistry.

This year's speakers include: Drs. Cherilyn Sheets-(Keynote Speaker), Rick Miron, Homa Zadeh, Ali Sajadi, Fereidoun Daftary, Thaer Alqadoumi, Eduardo R. Lorenzana, Ed McLaren, Peter Nordland, Jean Wu, David Clark, Dan McNeff, Jim Janakievski, Yasuko Nemoto, Makoto Ono, José Carlos da Rosa, George Kotsakis, Paul Chang, Lauralee Nygaard, Irene Marron-Tarrazzi, Juan Carlos Ortiz Hughes, Mario Zuolo, Kiaresh Karimi, Masoud Hasanzadeh, Sadaki Sakamoto, Eason Chen, Christopher Laing, Laurence Rifkin, Rashad Riman, Judy McIntyre, Kiyotaka Shibahara, Andras Forster, and so many other giants in the field of dentistry.

WSP & AMED share a mutual goal of bringing together periodontists, specialists, restorative dentists, hygienists, and auxiliary team members for genuine collaboration. This year's event will focus on the entire dental team and we want YOU to be a part of it. Whether you are a surgeon, restorative dentist or a dental hygienist there are opportunities to advance your skills and knowledge from our World-Class Presenters.

We will continue with our popular new "Collaborative Saturday." This was launched in 2022 and proved to be one of the most innovative features of the WSP/AMED meetings. We offer one General Session to see great multidisciplinary teamwork.

We will also host the Western Dental Hygiene Symposium offering dental hygienists three days of unparalleled dental education. This year's presenters include some of the best Hygiene has to offer....Dr. Satish Kumar, Dr. Kami Hoss, Susan Wingrove, Kathy Bassett, Tricia Osuna, Lynn Atkinson, Jodi Deming, Anne Rice, Sherri Lukes, Lora Hooper, and Nancy Miller.

Finally, the Hands-On opportunities that we have scheduled will be available for those wanting to improve their skills or learn the dental microscope.

The WSP, AMED and WDHS are excited to collaborate to create this one-of-a-kind learning experience in one of the most desirable hotels in California, The Hilton La Jolla Torrey Pines.

Meeting Chairs,



W. Peter Nordland  
DMD, MS, FISPPS  
(WSP)



Christopher A. Laing  
DDS  
(AMED)



Susan Wingrove  
BS, RDH  
(WDHS)



**SCAN QR CODE  
TO REGISTER!**

**WHAT IS INCLUDED IN YOUR REGISTRATION?**

**ALL ATTENDEES RECEIVE:**

- ▶ Attendance at Any and ALL General Sessions of their choosing
- ▶ Light Breakfast and Lunch
- ▶ Friday Exhibitor Reception
- ▶ Saturday Evening Awards Event



**ADA C.E.R.P.®** Continuing Education Recognition Program  
The Western Society of Periodontology is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. WSP designates this activity for up to 24 continuing education credits.



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# SPEAKERS



## Cheryl D. Sheets, DDS - Keynote Speaker "Assessing Structural Integrity of Teeth and Implants Using Quantitative Percussion Diagnostics & AI"

### Course Description:

One of the more challenging diagnostic efforts in dentistry is the assessment of the structural integrity of teeth and dental implants. Cracked teeth, deteriorating/fracturing restorations, loss of cement seal or loss of osseointegration are often hard to diagnose until the results are advanced or catastrophic. Quantitative Percussion Diagnostics (QPD) has been shown in over 29 peer reviewed studies in engineering and dental journals to be an accurate and reliable test for determining the structural wellness of teeth or implants. QPD is a mechanical test similar to evaluation methods used in engineering for assessing structural stability of objects, in contrast to visually based dental diagnostics such as radiographs and visual examination. The mechanism that creates QPD data has been illustrated by Finite Element Analysis of novel models of uncracked and cracked teeth. QPD, FEA modeling plus the addition of AI and Machine Learning are currently creating a future for dentistry of predictive diagnostics, where structural problems can be diagnosed early and rated as to type or severity. Preventive or therapeutic steps can then be instituted earlier in the damage cycle prior to the occurrence of advanced or catastrophic results, providing dentists with a new diagnostic tool.

### Learning Objectives:

- Understand how percussion can be a diagnostic risk assessment aid
- Know the scientific foundation of QPD
- Envision the power of AI/ML combined with increasing amounts of QPD data
- Explore the clinical possibilities of QPD



## Richard Miron, DDS, PhD, dr. med. dent. "Platelet Rich Fibrin in Combination with Exosomes in Periodontology and Implant Dentistry Abstract"

### Course Description:

Exosomes are the smallest subset of extracellular signaling vesicles secreted by most cells in the range of 30–150 nm in diameter. They have gained enormous momentum recently for their ability to be utilized as diagnostic tools as well as for a vast array of therapeutic applications. More than 5,000 publications are currently being published yearly on the topic, and this number is only expected to dramatically increase as novel therapeutic strategies continue to be investigated. This session focuses on the understanding of exosomes including their cell origin, biogenesis, function, and characterization. Thereafter, an overview of their application in regenerative dentistry and medicine is presented, including its use as an adjunct to PRF therapy. In total, 113 research articles examined the use of exosomes for regenerative dental purposes.

### Learning Objectives:

- Learn what exosomes are
- Explore the potential of exosomes in regenerative dentistry
- Gain an introduction into the 5000 publications per year in this space



## Homa H. Zadeh, DDS, PhD "Preventing and Managing Technical & Biologic Complications in Implant Dentistry: Evidence-Based Strategies for Success"

### Course Description:

Implant dentistry is highly predictable, yet technical and biologic complications can compromise both esthetic and functional outcomes. Understanding the etiology of peri-implant complications for single and full-arch implant cases—including surgical positioning, patient-related factors, and prosthetic considerations—is essential for prevention and effective management. This lecture will provide a comprehensive, evidence-based review of complications in both single and full-arch implant cases, highlighting key risk factors, diagnostic strategies, and treatment solutions. Participants will be provided with strategies to integrate digital workflows to enhance predictability and reduce risks. Clinical case presentations will illustrate key principles and provide actionable guidelines for improving long-term implant success.

### Learning Objectives:

- Identify the key risk factors contributing to peri-implant complications and their impact on long-term success.
- Implement evidence-based protocols for preventing and managing biologic and technical implant complications.
- Integrate digital workflows to enhance diagnosis, treatment planning, and complication management in implant dentistry



## Ali Sajadi, DDS, MSD, FADC, FICD "Practical Plastics for a Regenerative Tomorrow: Make Alloplasts Great Again"

### Course Description:

The role of any osseointegrative material in alveolar regeneration is to facilitate the formation of a stable repair of bony defects. Alloplasts have long been left in the rear-view mirror in the United States with the widespread availability of human and animal cadaveric tissue banks. Most surgeons chose to leave their use due to the inability of obtaining true bone formation. Carbonate Apatite has shown in studies that regeneration with alloplastic materials is possible and effective.

### Learning Objectives:

- Overview of Alloplastic Materials in Dentoalveolar Surgery and their benefits
- Understand the normal pathway of dentoalveolar healing and how Carbonate Apatite can become native bone
- What Cytrans Granules mean to your clinical results



## Fereidoun Daftary, DDS, MSD "Craniofacial Changes & Aging: Implications for Oral Rehabilitation with Implant Treatment"

### Course Description:

For decades, dental implants have been the gold standard for rehabilitating partially edentulous adult patients. It was traditionally believed that adult craniofacial structures were stable post-growth, allowing implant restorations to function within a static system. However, emerging evidence reveals that subtle yet significant craniofacial changes continue throughout adulthood, impacting occlusion, esthetics, and peri-implant health. This lecture will explore the effects of adult craniofacial growth on implant-supported restorations, shedding light on how these ongoing changes can lead to esthetic discrepancies, occlusal alterations, open contacts due to tooth migration, and potential periodontal complications. Participants will gain insights into risk assessment strategies, innovative treatment planning approaches, and corrective solutions for existing implant cases affected by late-stage craniofacial changes. Additionally, the course will introduce pre- and post-treatment checklists and a proposed classification system to enhance clinical decision-making and standardize future case reporting.

### Learning Objectives:

- Recognize the Impact of Adult Craniofacial Growth – Understand how continuous craniofacial changes can influence implant-supported restorations and lead to long-term functional and esthetic challenges.
- Develop Risk Assessment & Treatment Strategies – Learn to implement risk assessment algorithms and proactive treatment planning techniques to mitigate potential complications related to late craniofacial growth.
- Apply Corrective & Preventive Measures – Explore innovative solutions for managing existing cases affected by post-restorative changes and adopt strategies to optimize long-term outcomes in future implant treatments.



## Thaer Alqadoumi, DDS, MS "Biologic Innovations in Sinus Surgery: Amnion Chorion for Schneiderian Membrane Perforation Repair"

### Course Description:

Sinus membrane perforation has been discussed in the literature and some techniques were proposed for managing this complication. Over the past decade, there has been much intrigue and interest regarding the use of dehydrated human de-epithelialized amnion-chorion membranes (ddACM) for various periodontal and oral surgical procedures. The unique biological properties of ddACM are what differentiate this biomaterial from others in its peer group. This lecture will discuss how ddACM can be used for Schneiderian membrane repair. The use of ddACM will be highlighted in a variety of cases utilizing proven and novel techniques.

### Learning Objectives:

- Identify reasons for sinus membrane perforation.
- Review techniques for managing sinus perforation.
- Review a Novel approach for managing sinus membrane perforation.



## Eduardo R. Lorenzana, DDS, MS "Minimally Invasive Periodontal Therapy: Patient-Centered Practice Satisfaction with the Periodontal Endoscope"

### Course Description:

Periodontal therapy has traditionally revolved around scaling and root planing followed by surgical access when non-surgical treatment proved to be insufficient. Over the years, practitioners have sought new approaches in order to offer patients minimally invasive treatment options. This presentation details how periodontal endoscopy enables clinicians to provide extended subgingival treatment in a closed sulcus for improved treatment outcomes of periodontally diseased patients. As a result, clinicians can experience improved patient-centered benefits and satisfaction in their practices.

### Learning Objectives:

- Discuss why the "Gold Standard" of any periodontal therapy is still based on the complete disruption and removal of subgingival calculus
- Understand how visualization of the root surface is critical to the delivery of effective treatment and how periodontal endoscopy can extend the effectiveness of closed intrasulcular treatment approaches.
- Implement periodontal endoscopy to maximize patient satisfaction, increase patient referrals, and maximize practice efficiency.



## Edward A. McLaren, DDS, MDC "CONTEMPORARY MONOLITHIC CERAMICS AND THE DIGITAL DENTAL TEAM: The Evolution of Ceramic Technologies With The Human Touch"

### Course Description:

This lecture will cover the current evolution of esthetic monolithic ceramic materials highlighting their material and esthetic properties. This lecture introduces a concept called the "DIGITAL DENTAL TEAM" DDT for short. The concept DDT incorporates digital processes in the esthetic anterior workflow with all the clinical steps from case design, preparation techniques, and current adhesive materials and techniques, but with an analog "final touch" to the restorations to create an ideal individualized customization of the surface textures and surface color. The "team" consists of digital scanning technology, digital printing, the dentist, the highest evolution of machineable monolithic materials, and an and a highly qualified technician who can apply the final artistic touch to make a believable restoration. I will touch on how I do final touch comprising of texture, colorize, glaze and polish to create a perception of a 3-d layered result.

### Learning Objectives:

- Understand case set up and planning using the digital dental team workflow
- Understand preparation guidelines for Cad-Cam specific preparations
- Understand current adhesive materials and techniques
- Review and benefits of Chairside scanner with the application of materials and techniques used for ideal image capture
- Review of the evolution of ceramic materials for high end esthetic techniques
- Know the best materials for various clinical situations
- Understand best Print & Machine technology
- Understand current adhesive materials and techniques.
- Time permitting: Custom finishing techniques I call "THE FINAL TOUCH"
  - How I create natural surface texture
  - How I create optimum surface luster



## W. Peter Nordland DMD, MS, FISPPS, Jean C. Wu, DDS, & David Clark, DDS JOINT PROGRAM

## "The Restoration of the Lost Interdental Papillae Using Collaborative Efforts"

### Learning Objectives:

- To determine the best course of treatment when a patient presents with lost interdental papillae
- To understand the options available for deciding the best course of treatment in complex multidisciplinary care
- To learn from the pioneers in each respective discipline



## Dan McNeff, BS, CFP

## Safeguarding Wealth: Asset Protection & Tax Strategies

### Course Description:

In today's litigious society and ever-evolving financial landscape, protecting your hard-earned wealth is no longer optional—it's essential. This course is designed to empower professionals, business owners, and individuals with actionable strategies to safeguard their assets from legal threats while optimizing their tax liabilities. Through an engaging and insightful presentation, attendees will explore the principles of asset protection, risk management, and tax efficiency. The course begins by demystifying the concept of lawsuit prevention, offering a comprehensive overview of common risks faced by individuals and organizations. Participants will learn how to identify vulnerabilities in their financial and legal structures and implement proven tactics to shield assets from potential litigation. Building on this foundation, the course transitions into advanced tax strategies that enable attendees to maximize wealth retention while maintaining full compliance with legal regulations. From understanding tax shelters and deductions to leveraging entity structuring, participants will gain practical insights into how strategic planning can minimize tax burdens without sacrificing financial integrity. This course is led by an industry expert with over 20 years of experience in asset protection and financial planning. Drawing on a successful career as a CEO, financial advisor, published author, and sought-after speaker, the presenter delivers valuable knowledge with clarity, precision, and enthusiasm. Real-world examples, case studies, and interactive discussions will ensure that participants leave with a deep understanding of how to implement these tools effectively. Key topics include: Understanding Lawsuit Risks and Prevention: Learn how to identify common threats to wealth and take the proactive steps needed to mitigate legal exposure. Implementing Asset Protection Strategies: Discover how to establish protective legal and financial structures that shield assets from creditors, lawsuits, and other risks. Mastering Tax Efficiency: Explore strategies to reduce tax liabilities through compliant entity structuring, tax incentives, and long-term financial planning. Building Financial Resilience: Gain confidence in navigating a litigious and complex financial environment with proactive planning and expert insights. This course is perfect for professionals across various industries, including healthcare providers, business owners, financial advisors, and anyone seeking to preserve their wealth for future generations. Whether you are just beginning to consider asset protection or looking to refine an existing plan, the tools and strategies shared in this session will be invaluable. Attendees will leave with a comprehensive toolkit to secure their wealth and achieve peace of mind. By understanding how to prevent lawsuits and optimize tax liabilities, participants will be better equipped to focus on their professional and personal goals without unnecessary financial distractions. Join us for this transformative session and take the first step toward safeguarding your future.

### Learning Objectives:

- Maintain the focus of their dental practice on improved patient care rather than malpractice defense.
- Structure their practices for lawsuit protection and prevention, improving overall operations management of the practice.
- Protect practice and professional assets from lawsuits through applied risk management techniques.
- Implement basic practice management tools that can help decrease unnecessary loss of revenue.



## Jim Janakievski, DDS, MSD

## "The Value of a Tooth for Alveolar Ridge Management"

### Course Description:

The value of a compromised tooth to maintain the supporting bone and gingival tissues will be examined in the context of dental trauma. In both our adult and growing patients, dental trauma can result in tooth loss, a compromised periodontium and bone atrophy. The presentation will discuss protocols for tooth replantation, ridge maintenance, ankylosed teeth, and bone stabilization with tooth autotransplantation aimed at providing natural functional teeth and delaying dental implant placement.

### Learning Objectives:

- The value of a tooth for alveolar ridge management
- Strategies for the treatment of traumatized teeth in the adult and growing patient
- The benefits of delaying dental implant tooth replacement



## Dr. Yasuko Nemoto, DDS

## "Strategies to Enhance the Predictability of Alveolar Ridge Augmentation"

### Course Description:

Ridge augmentation has many clinical advantages in dental implant treatment, such as implant scope expansion, improvement of cleanliness and aesthetic results. Out of the few methods to perform ridge augmentation, guided bone regeneration (GBR) is relatively simple and minimally invasive for the patient and is thus recommended. However, in the case of complications such as exposure, the expected bone formation may not be obtained and should be evaded. In this course, methods to achieve ridge augmentation with high predictability, and tips for tissue management will be presented.

### Learning Objectives:

- Comprehend the mechanism of bone reformation based on the tissue engineering system
- Understand the properties and choose appropriately from the many bone graft materials, membranes, and growth factors for correct application for ridge augmentation.
- With tissue management, achieve good treatment results without



## Makoto Ono, DDS

## "Exploring the Potential of the Laterally Closed Tunnel Technique in the Treatment of Gingival Recession"

### Course Description:

The tunnel technique is a widely used procedure for root coverage, providing excellent blood supply to connective tissue grafts and achieving esthetic results. However, in cases of deep gingival recession, creating a tension-free tunnel and achieving coronal advancement can be difficult. To address these challenges, Sculean and Allen introduced the laterally closed tunnel technique in 2018, which reduces recession depth through horizontal suturing. This presentation highlights modified applications of the laterally closed tunnel technique, demonstrating its effectiveness in improving outcomes for deep gingival recessions.

### Learning Objectives:

- Understanding the characteristics of laterally closed tunnel technique(LCT)
- Tips on using LCT to achieve aesthetic results
- Limitations of treatment using LCT

# SPEAKERS



**José Carlos da Rosa, DDS, MSc, PhD**  
***Immediate Dentoalveolar Restoration (IDR) Technique – Evolution to Revolution***

#### Course Description:

Single-tooth replacement in the esthetic zone has been one of the most common indications for dental implant placement. Compromised teeth are removed using atraumatic principles and immediately replaced by an implant-supported provisional restoration, with excellent esthetic, biological, and functional results. However, in cases of compromised sites with bone loss/gingival recessions, the clinical scenario presents a different dilemma. Until now, all developed surgical recommendations required long-term treatment with possible undesirable complications in the tissue architecture. The Immediate Dentoalveolar Restoration (IDR) is a surgical and prosthetic technique established to broaden indications for immediate loading on individual teeth. In this way, tissue losses with varied extensions are reconstructed in the same surgical session of implant placement and provisional crown installation, reducing the number of interventions and keeping predictability on esthetic aspects. The IDR protocol was developed more than 18 years ago from the need to minimize the treatment time and morbidity of reconstructive procedures used in these cases.

#### Learning Objectives:

In this lecture we discuss the scientific basis, the step-by-step technique and indications. The IDR technique, which advocates minimally invasive surgery, flapless procedures, is presented as a viable and reproducible alternative.



**George Kotsakis DDS, MS**  
**Susan Wingrove, RDH, BS**  
**JOINT PROGRAM**

### ***“Peri-implantitis: Prevention, Maintenance, and Evidence-Based Dental Treatment”***

#### Course Description:

Peri-implantitis has been receiving attention following recent studies that showed that it is highly prevalent and difficult to manage. Preventing peri-implant complications by providing professional in-office assessment, maintenance, and home-care recommendations is vital. This lecture will provide the latest evidence-based implant maintenance protocols and information on peri-implant diseases with emphasis on the role that titanium particle release has in destructive bone inflammation around implants. Strategies for prevention and mitigation will be presented through clinical cases.

#### Learning Objectives:

- Be able to perform in-office professional implant maintenance and identify home-care strategies for more predictable outcomes - peri-implantitis prevention.
- Understand the interactions between biological peri-implant environment, oral bacteria and biomaterial that lead to titanium release
- How to mitigate peri-implantitis without releasing titanium particles.



**Paul P. Chang, DDS, MS**  
***“A Modern Perspective on Managing Peri-Implant Complications and Peri-Implant Diseases”***

#### Course Description:

Dental implants are a widely accepted solution for replacing missing teeth due to their high success rate in achieving osseointegration. However, with the increased number of implants being placed, there has been a significant rise in complications such as screw loosening, implant fracture, gum recession, and bone loss. These complications can occur at any stage of the treatment process. This presentation by Dr. Chang will explore how proper treatment planning, surgical techniques, and precise restoration fitting can help prevent these complications and the development of peri-implantitis. Through a series of clinical cases, Dr. Chang will guide clinicians through both non-surgical and surgical peri-implantitis treatment concepts. Key discussion points will include the importance of a multi-disciplinary approach in managing and preventing implant complications, the rationale for soft-tissue regeneration in conjunction with surgical peri-implantitis treatment, and prognostic factors associated with treatment outcomes.

#### Learning Objectives:

- Recognize the causes of peri-implant diseases related to restorative and surgical factors.
- Learn the importance of a collaborative approach in managing and preventing implant complications.
- Gain knowledge of various protocols for implant repair, both surgical and non-surgical.
- Recognize the critical role of soft-tissue phenotype around implants.
- Develop strategies for handling implants deemed hopeless due to complications.
- Implement effective maintenance protocols for both single implants and full arch implant restorations.

This presentation will provide valuable insights and practical approaches to effectively manage and prevent complications associated with dental implants.



**Dr. Lauralee Nygaard, DDS, MS**  
***“Metabolic Dysfunction and Periodontal Disease”***

#### Course Description:

Poor metabolic health can cause irreversible damage to the periodontium. Dental Teams trained to identify oral signs of metabolic disease can offer the opportunity to partner with their patients to help them achieve optimal oral and whole-body health. Dental providers who identify oral signs of metabolic dysfunction can inform, educate and develop ideal dental health treatment plans that reduce risk for tooth loss and support patient's overall health and longevity.

#### Learning Objectives:

- What is metabolic dysfunction?
- Why Metabolic Dysfunction matters to the dental team.
- Identify oral and systemic signs and symptoms of metabolic disease.
- Identify what dental teams can do to help their patients achieve optimal oral, systemic and metabolic health



**Irene Marron-Tarrazzi, DDS**  
***“Decoding the Anterior Enigma: A Magnified Hacker's Playbook”***

#### Course Description:

Soft tissue management in the anterior zone requires unparalleled precision to achieve both aesthetic excellence and long-term stability. The use of magnification in periodontics has enhanced precision, allowing for more predictable and refined outcomes in soft tissue augmentation, flap management, and wound closure. This lecture will explore microscope-enhanced microsurgical techniques, providing a high-definition perspective on achieving superior results. Through detailed clinical case analysis, step-by-step surgical protocols, and real-time magnified visuals, attendees will gain a hacker's mindset to solve complex periodontal and peri-implant soft tissue challenges with enhanced accuracy, predictability, and aesthetic outcomes.

#### Learning Objectives:

- Enhance Precision Through Magnification – Discuss the importance of microsurgical techniques in periodontal and implant surgery, emphasizing how magnification improves accuracy, tissue handling, and surgical outcomes
- Think Like a Hacker—Refine Clinical Problem-Solving for Predictable Success – Develop a systematic, detail-oriented approach to over-coming soft tissue challenges, recognizing key factors such as tissue biotype, vascularization, and healing dynamics to enhance precision, predictability, and long-term aesthetic outcomes
- Explore Periodontal Microsurgical Principles Across Different Techniques – Learn how to apply microsurgical approaches in soft tissue augmentation, flap management, and wound closure to optimize both periodontal and implant-related procedures



**Mario Zuolo, DDS, MSc, PhD**  
***“Microscope and Endodontic Retreatment: The Perfect Match”***

#### Course Description:

This presentation will focus on advanced endodontic retreatment techniques with the integration of the clinical microscope. Protocols of retreatment will be described using routine and complex cases. Clinical cases will demonstrate how magnification and illumination can significantly improve precision and efficiency in retreatment scenarios. Also, clinical outcomes and the limitations of the procedures will be discussed.

#### Learning Objectives:

- Demonstrate the role of magnification and illumination with a clinical microscope in enhancing procedural precision during endodontic retreatment
- Illustrate the management of routine and complex endodontic retreatment cases using clinical examples
- Analyze outcomes and limitations of the proposed protocols of retreatment



**Masoud Hasanzadeh, DDS**  
***“Reaching Deep Defects: The Role of Microscopy in Margin Elevation”***

#### Course Description:

This presentation explores the critical role of microscopy in adhesive dentistry, focusing on techniques for achieving precise deep margin elevation and biomimetic restorations in challenging defects.

#### Learning Objectives:

- The Concept of Deep Margin Elevation (DME): Identifying the principles, indications, and contraindications to ensure proper case selection and successful outcomes
- Achieve an Absolute Seal to Prevent Secondary Caries: Mastering microscope-enhanced adhesive techniques for creating precise marginal seals, reducing microleakage and caries risk
- Highlight the Importance of Magnification: Using the microscope to improve visualization and precision in managing deep defects, enhancing treatment quality and success



**Sadaki Sakamoto, DDS**  
***“Seeing The Trees And Forest-Looking Through A Microscope To See The Overall Picture”***

#### Course Description:

There is a saying that goes “you can't see the forest for the trees.” It is very important to treat a single tooth precisely and accurately using a microscope. In addition, it is important to restore what has deteriorated as a whole mouth, not just individual teeth. In this presentation, we will introduce a case where an entire face was restored by using a microscope to look at the details.

#### Learning Objectives:

- How to better use the dental microscope
- Learn to look beyond individual teeth and focus on the whole mouth



**Eason Chen, DDS**  
***“Minimally Invasive Periodontics”***

#### Course Outline:

- Revisit periodontitis - quick guide for new classification
  - Non-surgical periodontal therapy under microscope - the potential regenerative possibility by nature.
  - Minimal invasive periodontal surgery - how, when and why
  - The power of surgical microscope in periodontal therapy
- Learning Objectives:**
- Better understand classification system
  - In this lecture you will learn how to pair a surgical microscope with periodontal therapy
  - Learn more about biological regeneration in dentistry

#### Christopher A. Laing, DDS, FAMED



***The Value of Visual Acuity - The Benefit of Magnification in Decision Making”***

#### Course Description:

The pursuit of continuing education and maintaining our engagement sometimes leaves with the sense that we're losing traction, and has the potential to cause confusion in our approach to dentistry. However, it is my intention to share with you how high magnification has had the opposite effect and has enhanced the dentistry we're already doing.

#### Learning Objectives:

- Magnification enhances the ability to make sound decisions in existing protocols
- Magnification makes more apparent the influences of restoration failure



**Laurence R. Rifkin, DDS**  
***“Aesthetic Dentistry and Cosmetic Surgery... a Team Algorithm!”***

#### Course Description:

In today's world there is a greater demand by our patients for smile improvement but not limited to just the smile. They're interested in facial beauty. It is incumbent upon we doctors who provide health, function and aesthetics to be knowledgeable of adjunct aesthetic treatments and, services by our medical and dental colleagues. Where does cosmetic dentistry and cosmetic surgery start and end? This presentation intends to impart an algorithm when evaluating our patients facial anatomy and possibilities for both smile and facial aesthetics.

#### Learning Objectives:

- Review our knowledge of the norm of aesthetic facial proportions
- Review the options of facial beauty enhancements
- Present an algorithm for both aesthetic dentists and cosmetic surgeon making decisions on smile design and facial beautification.
- Promote the effort to establish a Team Medical and Dental approach for the betterment of our patients' quest for optimal facial beautification and improved self-esteem.



**Rashad Riman, DDS**  
***“Mastering the Microscope: Practical Lessons and Transformative Techniques to Elevate Your Practice”***

#### Course Description:

The dental microscope is not just a tool—it's a transformative instrument that can redefine your practice, improve precision, and enhance patient care. Dr. Rashad Riman, one of the first dentists to openly advocate for the use of the dental microscope in all aspects of dentistry, shares insights from thousands of hours of documented restorative and surgical treatments. He is leading a movement to make the dental microscope an essential tool, not only for endodontic practices but for every dental practice committed to excellence. In this lecture, Dr. Riman will offer real-world guidance and practical strategies to integrate the dental microscope into your daily workflow, turning it into a cornerstone of clinical excellence and practice growth. Learn how to avoid common pitfalls, leverage the microscope to set yourself apart, and enhance your reputation for precision and patient-centered care.

#### Learning Objectives:

- How to start with the dental microscope and progressively expand its use across a variety of procedures.
- Strategies to avoid common mistakes and turn challenges into opportunities for growth and mastery.
- Practical demonstrations of microscope applications in restorative, cosmetic, and surgical treatments.
- Techniques to differentiate your practice and establish your brand as synonymous with precision and excellence.
- The role of the microscope in elevating standards across the profession and making it an indispensable tool in modern dentistry.

Whether you're new to dental microscopy or looking to refine your approach, this lecture will provide actionable advice to help you harness the full potential of this technology. Join Dr. Riman as he shares his experiences and vision for a future where the dental microscope becomes a standard in all areas of dentistry, transforming practices and patient outcomes alike.



**Judy McIntyre, DMD**  
***“Clarity in Endodontics: Treating What You Can See - The Value of 3D!”***

#### Course Description:

During this course, Dr. McIntyre will discuss radiology, an essential component of the diagnostic puzzle in endodontics. 2D radiographs have been helpful to aid in diagnosis and planning. However, teeth, like the human body, are 3 dimensional, and limitations with 2D radiology exist. Ultimately, the use of 3D imaging/CBCT in endodontics is about avoiding surprises, assessing prognosis, and having the information to treatment plan cases most effectively for long-term restorative success. Studies have shown that endodontists change their treatment plan approximately 60% of the time when using 3D imaging vs. 2D imaging. A review showing how 3D imaging in employed in my practice will be reviewed with cases related to endodontics and restorative-diagnostic conundrums. Some examples of CBCT's use in endodontics are identifying significant splits/branches on canals that don't show on 2D; assessing the number, shape, and location of canals (commonly lower anteriors, premolars, and molars); locating and planning access to calcified/missed canals, angled/rotated teeth, crowned teeth or difficult anatomy; and more accurately measuring for location to a canal (depth, distance from other canals or structures, etc.). Additionally, CBCT can help to minimize incomplete ends (CDT D3332) - entering and finding a crack/perforation. 3D imaging also provides another diagnostic modality for more challenging patients (gaggers, special needs, etc.) and is a vehicle that can provide better patient communication-reviewing the scan with the asymptomatic patient.

#### Learning Objectives:

- Understand how to convey the importance of CBCT to patients
- Understand how to review and analyze limited field of view 3D scans for endodontic applications, and in the assessment of endodontic case complexity
- Appreciate treatment planning changes upon interpretation of 3D scans



**Kiyotaka Shibahara, DDS, PhD**  
***The Use of Microscope in Oral Surgery & Implant Therapy***

#### Course Description:

The speaker has submitted eight papers on oral surgery and implant treatment using operative microscopes to the International Journal of Microdentistry, the official journal of IJMD, by 2024. From these, he will give a presentation on minimally invasive oral surgery and minimally invasive sinus approaches. Using a microscope allows for surgery that is gentle on the hard and soft tissues of the mouth under an enlarged field of vision. He will also explain the tools and positioning techniques required for these treatments.

#### Learning Objectives:

- The position of extraction of impacted teeth with microscope
- Minimally invasive Sinuslift by lateral approach
- Implant placement with microscope & navigation surgery
- Oral surgeries with microscope & Piezoelectric device



**Andras Forster, DMD, PhD**  
***“Diagnosis and Biomimetic Restoration of Cracked Teeth”***

#### Course Description:

Managing cracked teeth is undoubtedly one of the most challenging situations we can face in Dentistry. We often search to treat caries but if the restoration fails to restore the biomechanical integrity of the original tooth, we most likely will face much bigger and more detrimental consequences in cracks and fractures. To be able to confidently treat cracks, I will elaborate the biomechanics and histology of the natural tooth and explain the concepts of the BioRim and BioDome. After understanding these concepts one can mechanically analyse a restored tooth or a cavity and understand how to diagnose and treat each type of crack in an efficient way.

#### Learning Objectives:

- Learn about the histology and biomechanics of the natural tooth, including the BioRim and BioDome and the methods by which enamel, dentin and the DEC prevent crack propagation in nature
- Understand how to carry out mechanical analysis to assess for structural compromise, in relation to the underlying mechanics of the natural tooth
- Learn how to accurately diagnose cracks – including diagnostic methods and differentiation of crack types
- Understand how to successfully treat cracks using Biomimetic principles – including crack dissection of vertical and horizontal cracks with pulpal and non-pulpal involvement; and the Biomimetic restoration of cracked teeth



# SPEAKERS



**Satish Kumar, DMD, MDSc, MS**  
*"How Periodontal Disease Impacts Systemic Health – A Call to Action"*

#### Course Description:

Research evidence linking periodontal and systemic diseases continues to grow exponentially. This presentation will bring to light the growing evidence of biological mechanisms linking periodontal and systemic diseases such as diabetes, cardiovascular diseases, arthritis, among others. An explanation of the difference between association and causality and the role of confounding factors will be discussed followed by discussion on correct interpretation of results of published studies. Clinical guidelines from professional organizations and practical suggestions on applying the evidence linking periodontal and systemic diseases in clinical practice will be discussed, emphasizing the need to act on current evidence.

#### Learning Objectives:

- Describe periodontal and systemic disease connections
- Differentiate association versus causality and recognize the role of confounding factors
- Apply evidence linking periodontal and systemic diseases in clinical practice



**Dr. Kami Hoss, DDS**  
*"The 2025 Oral Health Revolution: Rethinking Oral Care Products, Ingredients & Protocols"*

#### Course Description:

In a world where patients are overwhelmed by toothpaste aisles and TikTok trends, even dental professionals are left questioning: What really works, and what causes more harm than good? This course takes you beyond outdated myths and the oversimplified fluoride vs. non-fluoride debate. Join us for a deep dive into the future of oral care—where safety, science, and innovation meet. You'll learn how to critically evaluate the products your patients use every day at home, and discover emerging research on the oral microbiome, the use of prebiotics, probiotics, and even antibiotics in daily care. We'll explore how the latest advancements in toothbrush bristle design, mouthwash formulation, and toothpaste technology are rewriting the rules of oral hygiene. You'll leave empowered with the knowledge to guide your patients with confidence and precision in 2025 and beyond.

#### Learning Objectives:

- Explain the modern connection between oral health, systemic health, and the role of oral care products used at home.
- Understand the critical role of the oral microbiome and how to protect it through informed product recommendations.
- Identify key risk factors for caries and periodontal disease, and how at-home care products can help mitigate them.
- Learn why some "natural" oral care products may do more harm than good, and how to critically evaluate ingredient claims to make informed recommendations.
- Analyze a wide range of oral care product categories (toothpaste, mouthwash, floss, sprays, etc.) and identify which formulations support periodontal and systemic health.
- Compare the mechanisms and benefits of fluoride and hydroxyapatite and understand when each is appropriate.
- Understand the differences between micro and nano-hydroxyapatite and their respective roles in enamel remineralization and dentinal tubule occlusion.
- Explore the emerging roles of prebiotics, probiotics, and antibiotics in oral care, especially in relation to inflammation and microbial balance.
- Learn how salivary pH influences oral health, and how oral care products can help restore and maintain optimal pH balance.
- Recognize how innovations in toothbrush bristle technology (manual and powered) are transforming care for patients with periodontal conditions.



**Kathy Bassett, BSDH, RDH, MEd, QOM, FADHA**  
*"Unconventional Wisdom for Local Anesthesia Success"*

#### Course Description:

The most common complication during dental procedures is inadequate anesthesia. Most clinicians will agree, successful anesthesia is achieved by a "mix and match" of techniques mostly based on clinician confidence. We will explore some uncommon insights into maxillary and mandibular anatomy to improve the odds of achieving reliably profound anesthesia and discuss key pharmaceutical properties of anesthetics that can be leveraged for predictably higher success rates. Highlighted will be "High Inferior Alveolar Blocks", short-needle Inferior Alveolar Blocks, Gow Gates Mandibular Blocks, and Anterior Middle Superior Alveolar (AMSA) injections contrasted to the "pros and cons" of standard infiltrations. Other unique supplements injections, as well as effective "rescue" injections, will be discussed. Pharmaceutical properties of anesthetics and the use of buffering agents will also be highlighted.

#### Learning Objectives:

- Understand anatomical features of the maxilla and mandible that promote effective anesthesia, and reasons for anesthesia failure.
- Visualize relevant anatomy and histology of the pterygomandibular triangle to leverage for profound anesthesia, quick onset, and successful rescue injections to include: AMSA injections, alternatives to common Halstead mandibular blocks, "High Block", "Short Needle" inferior alveolar, Akinosi and Gow-Gates block techniques, retromolar infiltrations and PDL-IA block techniques.
- Discuss key physiological and pharmacological reasons for failure of dental local anesthesia and the benefits of buffering local anesthetic drugs.



**Lynn Atkinson, RDH**  
*"Periodontal Protocols Prevail - A Dental Hygienist's Guide to Excellence in Care"*

#### Course Description:

Effective periodontal care is fundamental to maintaining oral and systemic health, and dental hygienists play a pivotal role in early diagnosis and treatment. This presentation outlines evidence-based protocols and diagnosis tailored for dental hygienists. It emphasizes the integration of clinical skills, diagnostic tools, and patient education to ensure comprehensive care. Topics covered include periodontal assessments, risk factor identification, periodontal therapies, and advanced maintenance strategies. By mastering these protocols, dental hygienists can enhance patient outcomes, promote preventative care, and contribute significantly to interdisciplinary healthcare teams.

#### Learning Objectives:

- Identify the key clinical and radiographic indicators of periodontal diseases including their classification, etiology, and progression, to accurately diagnose and assess patient needs
- Implement periodontal treatment protocols, including periodontal therapies, adjunctive therapies, to effectively manage periodontal health and prevent disease progression
- Develop personalized care plans that incorporate patient education, risk factor management, and long-term maintenance strategies to support optimal periodontal health and overall well-being



**Jodi Deming, RDH**  
*Demystifying Biofilms and the Microbiome: The Ultimate Social Network*

#### Course Description:

As clinicians in oral medicine it is imperative to have an understanding of the balance of biofilm and the microbiome. Our genotype determines what colonizes us and ones risk for disease may begin earlier than we think. Understanding as our therapies have evolved so has the dynamic interaction of the oral ecosystem. An oral ecosystem is a delicate balance that must be protected. The most important service our microbes provide is our immunity. Comprehending the goal of our therapy, and the ability to communicate to patients the intent and value of the therapy. With this understanding, choosing appropriate options for our clinical care and better advise our patients regarding the plethora of selfcare options they are exposed to to support a symbiotic microbiome.

#### Learning Objectives:

- What does research tell us are the greatest determinants of oral dysbiosis?
- Specifically discussing behavior, environment and systemic disease
- Describe how our industrialized modern life is causing a mass extinction of the human microbiome contributing to many current common diseases and how science is teaching us to fight back
- Understanding that many of our oral care products may deplete bacterial species with potential to have unintended and negative consequences as we uncover the mysteries of the microbiome.



**Anne Rice, RDH**  
*Brain Health Matters: Integrating Alzheimer's Risk Reduction Strategies*

#### Course Description:

Alzheimer's disease poses a significant public health challenge, requiring ongoing research and comprehensive approaches to prevention, care, and support for those affected. While there is no one specific root cause there is an understanding that lifestyle, behavioral, and medical interventions is key to prevention. A compelling amount of scientific evidence has revealed that poor oral health is a risk factor for Alzheimer's disease (AD) independent of age, gender, and laboratory measures and has identified that diseases related to tooth loss, dental caries, periodontal diseases, gingivitis, and other diseases of the lip and oral mucosa are associated with a higher risk of AD. Discover evidence-based, safe strategies not only to improve your own brain health but to help your patients extend their brain span, reinforcing our role as healthcare providers.

#### Learning Objectives:

- Recognize the scope of bacteria, yeast, and viruses in the development of Alzheimer's disease
- Discover how heart health, hearing loss, genetics, insulin resistance, diet, exercise and sleep impact the risk of cognitive decline
- Examine "red flag" risk factors that can be found on patients' medical histories and how dental providers can make a difference
- Realize relationships between tooth loss, implant restoration and failure, as related to cognitive decline



**Sherri Lukes, RDH, MS, FAADH**  
*Medical History Front and Center – Oral Pathologies as Manifestations of Systemic Conditions - (2 CE Hours)*

#### Course Description:

Completing a thorough medical history is an imperative step in the dental process of care. An examination of oral lesions that are manifestations of systemic diseases will be discussed in this course. Expand your reasoning as we look at lesions and oral changes, deciphering the systemic conditions they are evidence of. Etiology, clinical appearance, and treatment options of both common and uncommon conditions are included, emphasizing interdisciplinary collaboration with other health professionals. Dental professionals with keen eyes for these lesions/changes and the conditions they are associated with can elevate both patient and employer appreciation.

#### Learning Objectives:

- Discuss the importance of current oral pathology knowledge when conducting intra/extra-oral exams
- Describe oral symptoms of various systemic conditions as presented in cases
- Compare/contrast lesions that can be considered in a differential diagnosis for each pathologic entity



**Lora Hooper, RDH**  
*Cracking the Code: Saliva Diagnostics for Personalized Periodontal and Peri-Implant Care*

#### Course Description:

Step into the future of dentistry with "Cracking the Code: Saliva Diagnostics for Personalized Periodontal and Peri-Implant Care." This dynamic course invites you to uncover the secrets hidden in saliva—an innovative diagnostic tool that precisely reveals bacterial, fungal, and viral risk factors. You'll learn how to interpret saliva test results and translate them into targeted treatment strategies that elevate patient outcomes. From identifying high-risk pathogens, like Red Complex bacteria and Candida yeast, to Pseudomonas, which are said to be responsible for up to 50% of implant failures, this session equips you with the knowledge and confidence to integrate cutting-edge diagnostics into your everyday practice. Join us to unlock the potential of saliva testing to transform how you diagnose, treat, and manage periodontal and peri-implant cases!

#### Learning Objectives:

- **Interpret:** Interpret saliva diagnostic test results by correlating bacterial, fungal, and viral markers to enhance diagnosis and risk assessment in periodontal disease and peri-implantitis
- **Apply:** Apply saliva test results to formulate personalized, evidence-based treatment protocols that address specific microbial findings in periodontal and peri-implant care.
- **Evaluate:** Evaluate the effectiveness of integrating saliva diagnostics into treatment strategies by assessing patient outcomes and disease progression over time.



**Nancy Miller, RDH, BA**  
*Maximizing Your Power Instrumentation Abilities*

#### Course Description:

Staying current with clinical applications of power instruments has a new level of importance in this era of technology and the Oral Systemic Link research. Understanding how to get the most out of power scalers and air polishers leads to more time efficiency, better treatment results, and better ergonomics for the hygienist. Micro ultrasonics are now considered standard of care in periodontal therapy, but what else are you using them for? What technological advances have there been since you were in school or your last CE course? Is there really a difference between piezoelectric technology and magnetostrictive units? Are there any new inserts on the market? Is there any superior way to adapt ultrasonic instruments to the type of patient in your chair? Air polishers have been around for 4 decades, but their use was generally restricted to supragingival stain removal. Like ultrasonics with micro tips, their use with finer size powder particles has evolved into the next treatment modality for preventative and periodontal therapy. What do you need to know about this latest technological application? How can you incorporate it into your clinical routine? How can they be used around implants? We now have Perio Classifications for Implants and how can we use Power Air Streaming in practice?

#### Learning Objectives:

Participants will learn:

- Subgingival airstreaming for biofilm control using glycine perio powders
- Implant maintenance and peri-mucositis treatment following AAP codes
- Ergonomics and Aerosol control hints
- Worn inserts impact on patient care and how to measure insert wear



**Tricia Osuna, BSDH, RDH, FAADH**  
*Update Your Products and Protocols for Improved Patient Care*

#### Course Description:

Updated protocols assist us in determining our patient's specific needs. As we move towards a more collaborative profession, we need to embrace these updates to identify those needs. We are presented with continuous challenges of new advances in products and technology and their use in dentistry and are in need of information to determine when and how to add them into our armamentaria. As professionals providing health services, our perception of product use along with protocols needs to be discussed with our team as well as the interdisciplinary referrals we have. The process of care (assessment, diagnosis, treatment planning, implementation, evaluation and documentation) requires a comprehension of protocols, products and treatment options and how they are to be utilized.

#### Learning Objectives:

- Distinguish which new-to-market products should be brought into your practice
- Integrate materials and products for a variety of uses in the dental office from infection dental hygiene therapy, oral cancer screening, patient communication and instrumentation
- Develop effective communication with patients and assist in the business of the dental practice
- Formulate strategies that incorporate efficiency in patient treatment for more productive scheduling

# HANDS-ON WORKSHOPS

**SATURDAY, SEPT 13TH • 8AM-5PM**



**Richard Miron, DDS, PhD,  
dr. med. dent.**

## ***"Exosomes, PRF, and the Future of Regenerative Medicine/Dentistry"***

### **Course Description:**

Recently, major advancements were made in platelet rich fibrin therapy highlighted by the ability to extend the resorption properties from the standard fast-resorbing 2-3 week membranes towards an extended membrane that lasts 4-6 months. This talk will first focus on these recent advancements recently published in the Journal Periodontology 2000. Clinical indications and case series studies will be presented on various opportunities whereby collagen membranes can be entirely replaced by these autologous sources. Thereafter, their use as an all-natural facial filler (the BioFiller) will be discussed as replacement options to standard chemical fillers such as Restylane and Juvéderm. Lastly, exosomes, the smallest subset of extracellular signaling vesicles, have gained enormous momentum recently for their ability to be utilized as diagnostic tools as well as for a vast array of therapeutic applications. Over 5'000 publications are currently being published yearly on this topic and this number is only expected to dramatically increase as novel therapeutic strategies continue to be investigated. This talk will finish by focusing on the understanding of exosomes including their cell origin, biogenesis, function and characterization. Thereafter, an overview of their application in regenerative dentistry and medicine will be presented including their use as an adjunct to PRF therapy. In total, 113 research articles have thus far examined the use of exosomes for regenerative dental purposes. Therapeutic exosomes are most commonly derived from dental pulps, periodontal ligament cells, gingival fibroblasts, stem cells from exfoliated deciduous teeth, and apical papilla and have all been shown to facilitate the regeneration of a number of tissues, including bone, cementum, periodontal ligament, nerves, and temporomandibular joint disorders.

### **Learning Objectives:**

- Update on Bio-Heat technology and the ability to extend the working properties of PRF from 2-3 weeks to 4-6 months
- Use of the extended-PRF membranes in implant dentistry and periodontology as a replacement to collagen membranes
- Use of 'BioFillers' in facial esthetics and the opportunities for the dentist
- Understanding of exosome and their therapeutic benefits in regenerative periodontology

Member:  
**\$895**  
Non-Member:  
**\$995**

**SATURDAY, SEPT 13TH • 1PM-5PM**



**Juan Carlos Ortiz Hugues, DDS,  
FAMED, CEAS**

## ***"Dental Microscope User Guidelines Course"***

**The Postural, Positioning and Ergonomics Applied Systematic Approach to the Effective and Proper Use of the Dental Microscope**

### **Course Description:**

The basic premise of ergonomics is to make the task fit the person, rather than making the person adjust to the task. Dentistry is one of the most demanding professions with high incidences of musculoskeletal disorders where many professionals are retiring early because of neck, back, shoulder, arm and wrist injuries. One of the greatest benefits of the dental operative microscope (DOM) use in dentistry is the improvement in ergonomics. The microscope solves two of the major problems in dentistry: lack of vision (magnification) and posture (focal distance). This is why ideal neutral posture is generally not attainable while operating unless you use a dental microscope. Numerous studies have been conducted on the prevalence of work-related pain in dentistry. In the US, the results indicate that more than half of all practicing dental professionals experience work-related pain, and on average, 30% are forced into early retirement due to musculoskeletal disorders.

**ALL MODULES BELOW INCLUDE A LECTURE AND DEMONSTRATION  
PART 1. UNDERSTANDING BIOMECHANICS:**

- Neutral Seated Posture
- Adjusting The Operator Stool

**PART 2. POSITIONING THE PATIENT IN THE CHAIR:**

- Patient Horizontal Position
- Verbal Cues
- Frequent Mistakes

**PART 3. THE ASSISTANT'S ROLE:**

- Assistant Positioning
- Delivery Systems—Horizontal Reaching

**PART 4. MICROSCOPE ADJUSTING AND SETTING:**

- Positioning The Microscope (Operator Clock Position)
- Frequent Mistakes During Microscope Adjustment And Position Mirror Technique
- Laws Of Ergonomic Movements
- Parfocussing The Microscope
- Items In The Microscope That Provide Ergonomics

**WHO SHOULD TAKE THIS COURSE?**

- Doctors and hygienists who want to eliminate neck and back pain from their daily practice without losing productivity.
- New, experienced and/or potential microscope users, including general dentists and specialists who want to learn how to use the scope
- Doctors who want to pass the AMED Certification exam

Member:  
**\$415**  
Non-Member:  
**\$495**

**SUNDAY, SEPT 14TH • 8AM-12PM**



**Kiaresh Karimi, DDS &  
Masoud Hasanzadeh, DDS**

## ***Deep Margin Elevation (DME) in Complex Cases with the Copper Band***

### ***Technique and Luting Indirect Restorations with Pre-heated Composite (Thermo Modified Luting)***

### **Course Description:**

This advanced-level course is designed for clinicians seeking to elevate their restorative techniques in the most challenging scenarios. Through a comprehensive focus on Deep Margin Elevation (DME) and thermo-modified luting protocols, participants will explore refined techniques for managing deep subgingival margins and complex anatomical situations.

A key component of this course is that all clinical demonstrations and hands-on exercises will be performed under the dental microscope. This allows participants to fully appreciate the role of magnification in precision, tissue respect, and adhesive control—hallmarks of modern restorative excellence. Participants will learn how to effectively use copper bands and variable matrix thicknesses to navigate and restore deep defects with clarity and control. Emphasis will be placed on biologically respectful approaches to tissue and margin management. All participants will receive a set of copper bands to take home, allowing them to implement the techniques directly into their own clinical workflows. The course also explores the technique and science behind thermommodified luting using pre-heated composite resins, showcasing how this method can dramatically improve adaptation, bond strength, and longevity of indirect restorations—surpassing traditional luting materials in many cases.

This microscope-enhanced course offers a powerful fusion of visual precision, clinical confidence, and cutting-edge adhesive strategies for clinicians who demand the highest standards in restorative dentistry.

### **Learning Objectives:**

- Understand the principles and indications of Deep Margin Elevation (DME) in complex cases with deep subgingival defects.
- Utilize copper band isolation and various matrix thicknesses to elevate margins effectively in difficult anatomical zones.
- Appreciate the critical role of magnification in improving precision, visibility, and outcomes in adhesive dentistry.
- Apply microscope-based techniques for margin control, adhesive protocol adherence, and biologic tissue management.
- Implement thermommodified luting protocols using pre-heated composite resins for superior indirect restoration placement.
- Compare the clinical performance of thermommodified composites versus conventional resin cements in terms of flow, adaptability, and bond strength.
- Adopt a fully adhesive workflow to achieve high bond strength, minimal postoperative sensitivity, and durable aesthetics.
- Confidently begin using copper bands in their own practices, with a take-home kit provided during the course.

Member:  
**\$425**  
Non-Member:  
**\$495**

**SUNDAY, SEPT 14TH • 9AM-12PM**



**Juan Carlos Ortiz Hugues, DDS,  
FAMED, CEAS**

## ***"Advanced Dental Ergonomics with Ergonomic Loupes"***

**Workflow, Posture, Positioning and  
Wellness in Dentistry in the Use of  
Ergonomic Loupes**

Price:  
**\$199**

### **Course Description:**

Many companies have begun to market loupes that are more ergonomically friendly for dental professionals. However, training has been minimal at best. AMED is the world educational leader in High Magnification Dentistry. This course is the only course that will teach you the effective and beneficial ways to use these new loupes. Naked eye dentistry should be a thing of the past, the high rate of musculoskeletal disorders of 60-80% for dentists and the rate of early retirement from the profession due to limiting injuries or mental fatigue are a reality. Conventional loupes without an appropriate guide to adjust them to the individual dimensions of the user have been a limitation for the professional to acquire healthy work postures within the neutral. Currently there are ergonomic loupes on the market, which have revolutionized the high magnification market. These loupes came to solve the postural problems of many conventional loupes on the market and, in turn, generate a high optical quality to magnify and see better. Added to this, low-weight LED lighting systems, non-touch on and off, and video camera systems for live documentation bring this technology closer to the broad benefits already known in the dental microscope, but with a lower investment cost, portability and a much flatter, easier and faster learning curve to handle. In this course we will be able to address the proper use of these loupes and apply it in the office with a systematic approach to simplified positioning, starting from the biomechanics of the human body to working with four hands to perform better, without suffering from it.

### **Learning Objectives:**

- Incorporate knowledge of the biomechanics of the human body and the neutral sitting posture
- Adapt the use of technology according to the individual anthropo-metrics of each operator
- Use magnifying glasses with a systematic positioning system
- Use the magnifying glasses fluently minimizing the learning curve
- Adapt four-handed dentistry to work efficiently with the assistant
- Understand the use of the ergonomic stool and its synergy with magnifying glasses
- Incorporate organizational office strategies that minimize mental fatigue

PART 1. Biomechanics of the human body, the ergonomic stool, posture

PART 2. Systematic positioning

PART 3. Ergo loupes feature and user guidelines

PART 4. Four-handed dentistry. The role of the dental assistant

# VENUE

Group Rate

**\$219**

## HILTON LA JOLLA TORREY PINES

10950 North Torrey Pines Road • La Jolla, California 92037

Hilton La Jolla Torrey Pines is a Short 4-min. walk from Torrey Pines Golf Course and 10 mins. walk from Torrey Pines State Natural Reserve. This golf hotel is close to University of California, San Diego and Ellen Browning Scripps Nature Preserve. Make yourself at home in one of the 394 guestrooms featuring refrigerators and flat-screen televisions. Rooms come with down comforters and premium bedding, and private balconies or patios. Our Torreyana Grille restaurant features a bar/lounge and a pool view. Wrap up your day with a drink at the poolside bar. Recreational amenities include: outdoor pool, outdoor tennis court, and fitness center.

Scan here  
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Reservations



*Western Society of Periodontology 73rd Annual Scientific Session*  
*Western Dental Hygiene Symposium*  
*Academy Of Microscope Enhanced Dentistry 24th Annual Meeting*  
**SEPTEMBER 12-14, 2025**



## 2025 REGISTRATION APPLICATION & PRICING

### Personal Information

Full Name: \_\_\_\_\_ ☐ Dentist ☐ RDH ☐ RDA  
Address: \_\_\_\_\_ Suite#: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Cell Phone: \_\_\_\_\_  
Email Address: \_\_\_\_\_

### 2025 ANNUAL MEETING REGISTRATION FEES

#### WSP/AMED/MEMBERS:

	Early Bird: By April 15th	By August 15th	After August 15th
Dentists	<input type="checkbox"/> \$645	<input type="checkbox"/> \$695	<input type="checkbox"/> \$795
F/T Faculty/Military	<input type="checkbox"/> \$495	<input type="checkbox"/> \$545	<input type="checkbox"/> \$565
Hygienists	<input type="checkbox"/> \$319	<input type="checkbox"/> \$339	<input type="checkbox"/> \$359
Dental Assistants	<input type="checkbox"/> \$299	<input type="checkbox"/> \$329	<input type="checkbox"/> \$349
Students & Residents	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100

Refer to Hands-On Course Page for Pricing ☐ \_\_\_\_\_

#### WSP/AMED/NON-MEMBERS:

Dentists	<input type="checkbox"/> \$795	<input type="checkbox"/> \$845	<input type="checkbox"/> \$925
F/T Faculty/Military	<input type="checkbox"/> \$525	<input type="checkbox"/> \$565	<input type="checkbox"/> \$595
Hygienists	<input type="checkbox"/> \$359	<input type="checkbox"/> \$389	<input type="checkbox"/> \$399
Dental Assistants	<input type="checkbox"/> \$359	<input type="checkbox"/> \$389	<input type="checkbox"/> \$399
Students & Residents	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$150

*Registration fees Include: All General Session lectures, Light Breakfast and Lunch, Exhibitor Reception and the Foundation Reception & Awards Event on Saturday night.*  
*Course Registration Cancellations: The fee, less a \$35 per person processing charge, will be refunded if cancellation is made by 8/1/25. Cancellations made between 8/2/2025- 8/15/2025 will be charged \$100 cancellation fee. No refund will be made for cancellations after 8/15/2025. Please register online at [wsperio.org](http://wsperio.org).*

### NEW COLLABORATIVE REGISTRATION OPTIONS

**BRING A COLLEAGUE** - The goal of the WSP, from its inception, has been to build a meeting that appeals to the team. In that light we have created entirely new registration options unlike any other dental meeting in America. You may still register on your own, however, now if you want to bring your hygienist(s) or referring General Dentists we are offering a package price that is a substantial discount. Call for pricing 813-444-1011.

### Payment Information

Full Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
Credit Card #: \_\_\_\_\_ Exp. Date: \_\_\_\_\_ CW#: \_\_\_\_\_  
Billing Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Enclosed is a check for the amount of (or process our payment in the amount of) \$ \_\_\_\_\_

Complete and mail to: 15436 N Florida Avenue, Suite 102, Tampa, FL 33613 or fax to 813.422.7966

**To Register go to: [www.wsperio.org](http://www.wsperio.org) • 813.444.1011 • [www.microscopedentistry.com](http://www.microscopedentistry.com)**