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

THE LEADER IN HIGH MAGNIFICATION DENTISTRY

WSP/AMED 2025

San Diego, California
SEPTEMBER 12-14

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

ATTENDEE'S BROCHURE

SPEAKERS

Dr. Robert Levine
Dr. Rick Miron
Dr. Jim Janikievski
Dr. Ed Mclaren
Dr. David Clark
Dr. Cherilyn Sheets
Dr. George Kotsakis
Dr. Fereidoun Daftary
Dr. Makoto Ono
Dr. Lauralee Nygaard

Dr. Eduardo R. Lorenzana
Dr. Peter Nordland
Dr. Thaer Alqadoumi
Dr. Ali Sajadi
Dr. Paul Chang
Dr. Yasuko Nemoto
Dr. Homa Zadeh
Dr. Jean Wu
Dr. Irene Marron-Tarrazzi
Dr. Eason Chen

Dr. Satish Kumar
Dr. Rashad Riman
Dr. Judy McIntyre
Dr. Mario Zuolo
Dr. Masoud Hasaanzadeh
Dr. Christopher Laing
Dr. Andras Forster
Dr. Laurence Rifkin
Dr. Kami Hoss
Dr. Juan Carlos Ortiz Hughes

Susan Wingrove, RDH
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

VENUE

Hilton La Jolla Torrey Pines, San Diego, CA

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

The Leaders in Collaborative Care

THE LEADER IN HIGH MAGNIFICATION DENTISTRY

"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. Robert Levine, Rick Miron, Homa Zadeh, Ed Mclaren, David Clark, Cherilyn Sheets, George Kotsakis, Yasuko Nemoto, Makoto Ono, Lauralee Nygaard, Eduardo R. Lorenzana, Thaer Alqadoumi, Ali Sajadi, Paul Chang, Fereidoun Daftary, Jim Janikievski, Jean Wu, Peter Nordland, Sung Jin, Irene Marron-Tarrazzi, Eason Chen, Rashad Riman, Judy McIntyre, Mario Zuolo, Masoud Hasaanzadeh, Christopher Laing, Andras Forster, Laurence Rifkin, 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, Tricia Osuna, Lynn Atkinson, Jodi Deming, Anne Rice, Lora Hooper, Sherri Lukes, Nancy Miller, and Kathy Bassett

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.

ACADEMY OF MICROSCOPE ENHANCED DENTISTRY

PACE ACADEMY of GENERAL DENTISTRY PROGRAM APPROVAL FOR CONTINUING EDUCATION

Academy of Microscope Enhanced Dentistry Nationally Approved PACE Program Provider for FAGD/MAGD credit. Approval does not imply acceptance by any regulatory authority or AGD endorsement. 1/1/2025 to 12/31/2028. Provider ID# 309805

For information on this or other seminars contact: tgoldman@wsperio.org
813.444.1011 • www.wsperio.org • www.microscopedentistry.com

SPEAKERS

Robert A. Levine, DDS

Collaborative Management of Complex Cases: An Evidenced-Based and Personalized Medicine Approach

Course Description:
This lecture will highlight the importance of a comprehensive, team-based approach to diagnosing and planning complex cases, ranging from single-tooth to full-arch rehabilitation. Dr. Levine's clinical checklist will play a central role, incorporating tools such as the Periodontal Risk Score (PRS) and the Esthetic Risk Assessment (ERA) to enhance patient outcomes. Additionally, the lecture will emphasize the 10 Keys Checklist for avoiding dental implant complications, as well as two newly published checklists: the 7 Keys Checklist for managing periodontal intrabony defects around teeth and the 8 keys Checklist for treating dental implant complications. Long-term case studies will be shared, focusing not only on success factors but on complications, with insights into how Dr. Levine would approach these cases differently in hindsight. Finally, the lecture will underscore the importance of treating individuals, not just patients, as a key to fostering trust, motivation and compliance and earning 5-star reviews.

Learning Objectives:
- Recognize the critical role of the new patient exam, including digital photography and virtual CBCT planning, in educating and motivating patients, while ensuring a straight forward approach that supports long-term treatment success
- Explore the value of implementing structured checklists during surgical procedures for implant placement and the treatment of periodontal and dental implant-associated bone defects, utilizing a combined approach with biologics for optimal outcomes
- Understand the significance of phenotype modification as a key component of evidenced-based surgical planning, addressing essential goals such as mucosal thickness, keratinized gingival width, peri-implant bone thickness, and supracrestal tissue height

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

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 individualistic customization of the surface textures and surface color. The "team" consists of digital scanning technology, digital printing, the dentist, the highest evolution of machinable 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:
At the end of the lecture, each participant will understand:
- 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 tecniques
- 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

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.

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

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.

Jim Janikievski, 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

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:
Upon completion of this program the participant will be able to:
- 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.

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.

Ali Sajadi, DDS, MSD, FACD, FICD

Practical Plastics for a Regenerative Tomorrow: Make Alloplasts Great Again

Course Description:
The role of any osseoconductive material in alveolar regeneration is to facilitate the formation of a stable repair of boney 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

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. 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 cleanability 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 complications

SPEAKERS

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:
Upon completion of this session, attendees should be able to:
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.

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:
You'll gain valuable insights into:
- 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, DDS

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 endos (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

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

W. Peter Nordland DMD, MS, FISPPS, David Clark, DDS, Jean C. Wu, DDS, & Cherilyn D. Sheets, 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

Masoud Hasaanzadeh, 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

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

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

Your Complete Guide to Oral Care Products

Course Description:
Feeling confused about how to choose the right oral care products for your patients? In this course we will debunk 10 common myths in oral care:
Myth #1: Cavities are normal and no big deal
Myth #2: All oral bacteria are bad and should be killed
Myth #3: Cavities only happen if you eat lots of sugar
Myth #4: Cavities in baby teeth don't matter because they fall out anyway
Myth #5: Bleeding gums are normal
Myth #6: All toothpastes and mouthwashes are basically the same
Myth #7: Natural toothpaste is better than conventional toothpaste
Myth #8: All kids' toothpastes are safe and effective
Myth #9: Fluoride is the best anti-cavity product for everyone
Myth #10: Antiseptic mouthwash is good for you

Learning Objectives:
- A brief overview of oral health/overall health connections
- The oral microbiome: the role of the billions of microbes that call your mouth their home
- Risk factors for cavities
- Critical role of primary dentition in growth and development
- Periodontal disease and system health connections
- List of safe and effective ingredients (and ones to avoid) in various products
- Fluoride vs. Hydroxyapatite: pros and cons
- Role of antibiotics, prebiotics and probiotics in oral care

Kathy Bassett, BSDH, RDH, MEd, QOM, FADHA

Unconventional Wisdom for Local Anesthesia Success - (90 mins.)

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 ad 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 that 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 out 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 selfceare 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.

SPEAKERS

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

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

SATURDAY, SEPT 13th • HANDS-ON WORKSHOP • 8am-5pm

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**

Juan Carlos Ortiz Hugues, DDS, FAMED, CEAS

SATURDAY, SEPT 13th • HANDS-ON WORKSHOP • 2pm-5pm

Advanced Dental Ergonomics with Ergonomic Loupes

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

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 anthropometrics 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

Price: **$199**

Juan Carlos Ortiz Hugues, DDS, FAMED, CEAS

SUNDAY, SEPT 14th • HANDS-ON WORKSHOP • 8am-12pm

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 Techique
- 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**

VENUE

Group Rate **$219**

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

SEPTEMBER 12-14, 2025

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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	☐ **$645**	☐ **$695**	☐ **$795**
F/T Faculty/Military	☐ **$495**	☐ **$545**	☐ **$565**
Hygienists	☐ **$319**	☐ **$339**	☐ **$359**
Dental Assistants	☐ **$299**	☐ **$329**	☐ **$349**
Students & Residents	☐ **$100**	☐ **$100**	☐ **$100**
Refer to Hands-On Course Page for Pricing	☐ _____		
WSP/AMED/NON-MEMBERS:			
Dentists	☐ **$795**	☐ **$845**	☐ **$925**
F/T Faculty/Military	☐ **$525**	☐ **$565**	☐ **$595**
Hygienists	☐ **$359**	☐ **$389**	☐ **$399**
Dental Assistants	☐ **$359**	☐ **$389**	☐ **$399**
Students & Residents	☐ **$100**	☐ **$125**	☐ **$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.

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.

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

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To Register go to:

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