



Western Society of Periodontology 72nd Annual Scientific Session
Western Dental Hygiene Symposium
Academy Of Microscope Enhanced Dentistry 23rd Annual Meeting



The Leaders in Collaborative Care

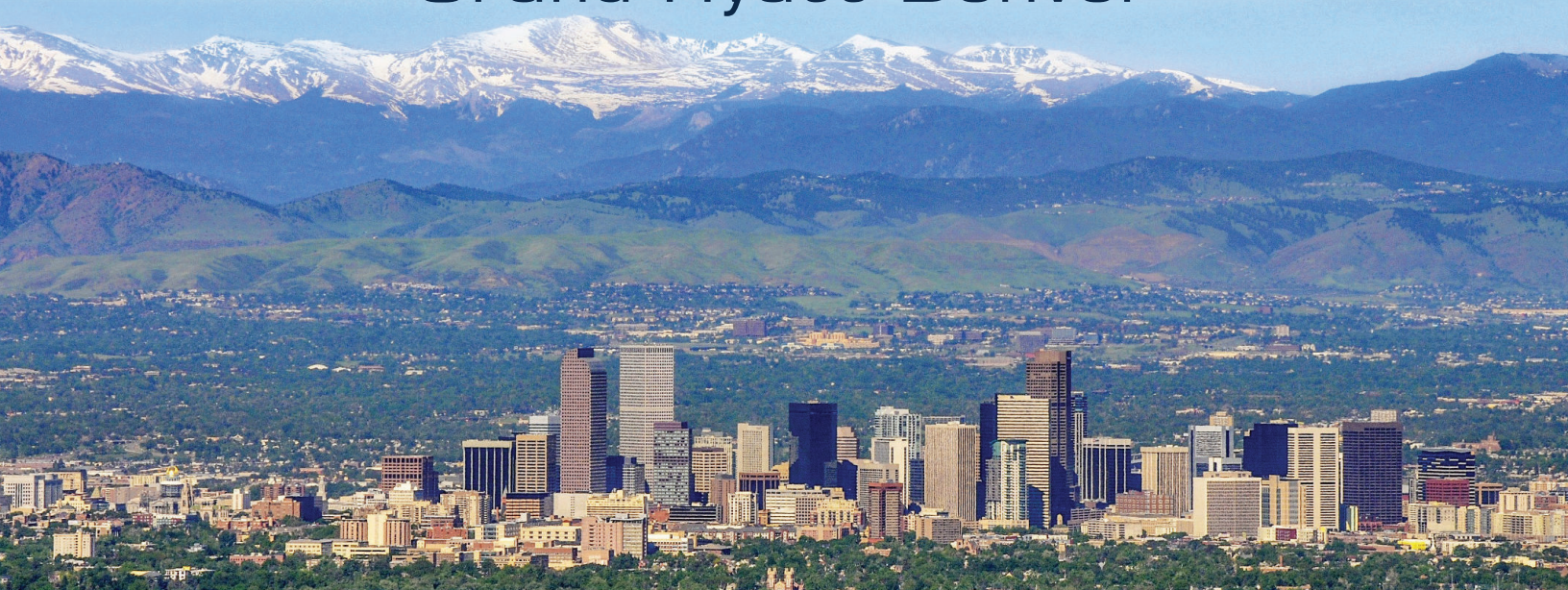
“Mile High Mastery with WSP and AMED”

DENVER

Colorado

AUGUST 15-18, 2024

Grand Hyatt Denver



3 DAYS OF WORLD CLASS DENTAL PROFESSIONAL SPEAKERS

WSP & AMED SPEAKERS

Michael A. Pikos, DDS, OMS,
Edward P. Allen, DDS, PhD
Daniel Buser, DDS, Dr. med. dent., Prof. h.c., Sen. h.c.
Hussein Basma, DDS, MS
Debora Dias, DDS, MSc
Randy K. Shoup, DDS
Thomas J. Kopic, DDS, MSD
Curry Leavitt, DMD, MS
Purnima Kumar, DDS, PhD
George Mandelaris, DDS, MS, FACD, FICD
Brian Vence, DDS
Kevin G. Murphy, DDS, MS
Steven M. Sullivan, DDS, FACS, FACD

Rachel Schallhorn, DDS, MS
Bor Jian Chen, DDS
Kia Karimi, DDS
Shepard DeLong, DMD
Mark Anthony Limosani, DMD
Arnoud Noot, DDS
Glenn van As, BSc, DMD
Andrei Berdichewsky, DDS
Kiyonobu Saburi, DDS, Ph.D.

RDH SPEAKERS

Susan S. Wingrove BS, RDH
Tricia Osuna, BSDH, RDH, FAADH
Lynn Atkinson, RDH
Cindy Purdy, RDH, BS, CEAS

Melissa Calhoun, MSDH, RDH
Nicole Fortune, RDH
Anne O. Rice, RDH
Tom Baker, DDS

WORKSHOPS

Thursday, August 15 • 6-9 pm

AMED CHALLENGE

Randy Shoup, DDS
Juan Carlos Ortiz Hugues, DDS, CEAS, AEP
William Linger, DDS, MAGD, MAMED
Ozzie Mayoral, DDS

Saturday & Sunday, August 17-18
HANDS-ON WORKSHOPS

Juan Carlos Ortiz Hugues, DDS, CEAS, AEP
Thomas G. Wiedemann, MD, PhD, DDS

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Western Society of Periodontology 72nd Annual Scientific Session
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The Leaders in Collaborative Care

“Mile High Mastery with WSP and AMED”

Welcome 72 YEARS IN THE MAKING!

Welcome to the 72nd Annual Meeting of the Western Society of Periodontology (WSP), the 23rd Annual Meeting of the Academy of Microscope Enhanced Dentistry (AMED), and the 5th Annual Western Dental Hygiene Symposium (WDHS). The dates to mark on your calendar are August 16-18, 2024 in Denver, Colorado.

The theme of this year’s meeting is **“MILE HIGH MASTERY WITH WSP AND AMED”**

The 2024 Annual Session has chosen the amazing Grand Hyatt Denver. 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. Mike Pikos, Pat Allen, Daniel Buser, Randy Shoup, Tom Kepic, George Mandelaris, Kevin Murphy, Purnima Kumar, Brian Vence, Hussein Basma, Debora Dias, Curry Leavitt, Rachel Schallhorn, Steve Sullivan, and William Linger, Juan Carlos Ortiz Hughes, Graham Forbes, Kia Karimi, Arnold Noot, Shepard DeLong, Andrei Berdichewsky, Mark Anthony Limosani, Sam Low and so many other giants in the field of dentistry.

WSP & AMED share a mutual goal of bringing together periodontists, 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.

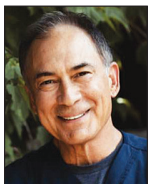
We will continue with our popular new “Collaborative Saturday.” This was launched in 2022 and proved to be one of the most innovative features of the WSP/AMED meetings. We offer one General Session to see great multidisciplinary teamwork with three Intradisciplinary Teams. A focus on communication tools used between each of the specialists in each team will be demonstrated. Mastering these communication skills will help your personal interdisciplinary team achieve the best esthetic and functional result for your patients.

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....Susan Wingrove, Lynn Atkinson, Cindy Purdy, Tricia Osuna, Nicole Fortune, Tom Baker, Melissa Calhoun, and Anne O. Rice.

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 Colorado, The Grand Hyatt Denver.

Meeting Chairs,



Giles B. Horrocks
DDS, MS
(WSP)



Christopher A. Laing
DDS
(AMED)



Susan Wingrove
BS, RDH
(WDHS)



Lynn Atkinson
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 20 continuing education credits.



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

SPEAKERS

WSP & AMED SPEAKERS



Michael A. Pikos, DDS, OMS
The Severely Atrophic Maxilla 2024: Full Arch Immediate Implant Reconstruction Strategies

Course Description:

This presentation will focus on foundational principles for treatment of the severely atrophic maxilla for full arch immediate implant reconstruction. It will include zygomatic and pterygoid implant protocols and will feature both a surgical and restorative digital workflow.

Learning Objectives:

- Understand the importance of a prophylactic approach to full arch immediate implant reconstruction of the severely atrophic maxilla
- Understand the application of zygomatic and pterygoid implant protocols for treatment of the severely atrophic maxilla
- Understand the surgical and restorative digital workflow for full arch immediate implant reconstruction of the severely atrophic maxilla (Sponsor: BioHorizons)



Edward P. Allen, DDS, PhD
Current Use of the Tunnel Technique: 25 Years of Experience

Course Description:

This lecture will outline the development of soft tissue grafting leading to the current Tunnel Technique. Palatal donor tissue and vertical incisions are no longer necessary for root coverage grafting, resulting in not only a better postoperative course, but also greater root coverage and better esthetics. Use of the Tunnel Technique in mandibular sites including sites with deep recession, shallow recession aberrant frenal attachment and shallow vestibule will be shown. Outcome parameters of gain of keratinized tissue and long-term outcome will be addressed, illustrated with case examples, and documented with current literature references.

Learning Objectives:

- Describe the evolution of soft tissue grafting techniques
- Describe the modifications of tunnel technique in mandibular anterior sites with complications including aberrant frenal attachment, deep recession, shallow recession and shallow vestibule
- Explain the lack of significance of keratinized tissue gain in bilaminar techniques



Daniel Buser, DDS, Dr. med. dent., Prof. h.c., Sen. h.c.
Hybrid Design Implants: The Future In Implant Dentistry

Course Description:

The term Hybrid Design (HD) was first used by Dennis Tarnow in 1993. The term stands for an implant with a micro-rough implant surface in the endosseous portion to promote faster and better osseointegration of the implant during healing and during function and a smooth, machined surface in the neck/collar region for the transcrestal area with contact to the peri-implant sulcus. The most prominent HD implant is the iconic Tissue Level (TL) Implant by Straumann, which was first inserted in patients in 1986 at the University of Bern (Buser et al. 1988). Clinical long-term studies with TL implants have clearly documented the least risk for the development of peri-implant mucositis and peri-implantitis (Derks et al. 2016a; Derks et al. 2016b) when compared with implants with a micro-rough surface, all the way up to the implant neck. The long-term documentation at the University of Bern confirmed the low risk of roughly 3% for developing peri-implantitis with TL implants in a large 10-year study with 500+ TL implants (Buser et al. 2012). A most recent study by Windael et al. (2021) with 1478 non-HD implants and a 10-year observation period confirmed this again. Implants with an early bone loss (EBL) ≥ 0.5 mm during the first year of function showed a 5x times higher odds ratio for future peri-implantitis development. EBL of >0.5 mm means an exposure of the micro-rough surface to the peri-implant sulcus. This lecture will present all relevant aspects of HD implants and what surgical factors are essential to achieve successful outcomes with good long-term stability. In addition, the latest development of the Straumann implant will be presented, the TLX and TLC implants both with a Hybrid Design. It represents the 4th Generation of Straumann implants.

Learning Objectives:

- Understand the concept of Hybrid Design Implants- Understand why HD implants have a reduced risk for the development of peri-implantitis over time
- Learn about the surgical key factors for successful outcomes with HD implants with good long-term stability
- Learn about the TLX and TLC implants, their indications, and clinical application.



Hussein Basma, DDS, MS
Implant Esthetic Nightmares: How to Manage Peri-Implant Complications?

Course Description:

Dental implants, while generally reliable, can encounter complications that warrant comprehensive understanding and management. This lecture focuses on addressing Peri-implant soft tissue deficiencies (PSTD), emphasizing the recent advancements in classification systems for this matter and delving into a decision tree approach. Participants will also gain insights into strategically managing diverse implant complications, empowering them to make informed clinical decisions. Furthermore, the lecture underscores the critical role of both soft and hard tissues in the context of PSTD treatment, shedding light on their interconnected influence on treatment outcomes.

Learning Objectives:

- Understand potential risks for peri-implant soft tissue deficiency before placing and loading an implant
- Gain insights into the classification of peri-implant soft tissue deficiency mastering them through the application of soft and hard tissue grafting techniques
- Grasp the rationale behind choosing the optimal treatment approach based on the type of implant complications



Debora Dias, DDS, MSC
Anatomical Predictors for Successful Outcomes in Ridge Preservation with Immediate Implant Placement

Course Description:

Following tooth extraction, the alveolar process undergoes significant dimensional changes, impacting the success of implant-supported rehabilitations. Ridge preservation procedures for immediate or late implant placement have been proposed to counteract and minimize these alterations. This lecture will provide the latest evidence-based information on ridge preservation with immediate implant placement, with an emphasis on anatomical land

marks for precise treatment planning. Different anatomical scenarios and their corresponding management approaches will be discussed through clinical cases.

Learning Objectives:

- Understand the anatomical changes in the alveolar process following immediate implant placement and socket grafting, and their implications for the long-term success of rehabilitations
- Determine indications for ridge preservation with immediate or late implant placement, and how to distinguish between these two scenarios
- Navigate the new anatomical guidelines for ridge preservation with immediate implant placement



Randy K. Shoup, DDS
& **Thomas J. Kepic, DDS, MSD**
WHEN TWO WORLDS MEET: Contemporary Periodontics and Biomimetic Dentistry Achieve Dentistry's Goal – SAVING TEETH

Course Description:

Most patients want to preserve or enhance their health and physical well-being in as natural a state as possible. This presentation will show how collaboration between the periodontist and the biomimetic dentist can achieve this goal.

Learning Objectives:

- Discuss the challenges and solutions available to the biomimetic dentist by removing the least amount of tooth structure to achieve the maximum long-term benefit
- Discuss options that dentists, hygienists, and periodontists have to eliminate inflammation and regenerate the lost periodontal support
- Role play conversations that the dental team (dentist, hygienist, and periodontist) should have before, during, and after delivering therapeutic care



Curry Leavitt, DMD, MS
Up Your Biologics Game for More Favorable Outcomes: 10 Ways to Utilize Bioactive Biomaterials Within Your Periodontal Practice

Course Description:

Learn about the indications and applications for de-epithelialized dehydrated amnion-chorion allograft, including guided bone and tissue regeneration, socket preservation and ridge augmentation, both surgical and non-surgical, and donor/recipient site adjunctive applications. Witness the impressive healing capabilities, in addition to a multitude of data and documentation demonstrating the unparalleled biocompatibility of this unique and remarkable allograft tissue.

Learning Objectives:

- Discuss the biology of placental tissue allografts
- Learn and appreciate the various surgical applications of amnion-chorion barrier membranes
- Appreciate the healing capabilities of utilizing placental tissue
- Understand the advantages and limitations of amnion-chorion barrier membranes (Sponsor: SNOOS)



Purnima Kumar, DDS, PhD
Microbial Dysbiosis: The Root Cause of Periodontitis

Course Description:

Bacteria have co-evolved with humans, adapting not only to genotypic idiosyncrasies, but also to behavioral and lifestyle changes. Together, the human and the microbiome we host form a 'holobiont', with these organisms playing a vital role in maintaining our physiology and health. Moreover, these dynamic communities form ecosystems within various niches in the human body, and by virtue of this lifestyle, are extremely responsive to shifts in the local environment. Thus, the microbiome acts as a 'canary in the coal mine'. As a clinician and a microbial ecologist, my research focuses on harnessing the capabilities of the microbiome to promote health and to act as prognosticators of impending disease states as well as biomarkers of disease activity. For over two decades, our research group has explored the factors that shape this microbiome, with a view to identifying common microbial targets for therapeutic intervention as well as idiosyncratic features within this system.

Learning Objectives:

- A eubiotic community is one that follows a biological blueprint
- Human behaviors and systemic disease can alter this blueprint
- Dysbiosis is a cause, not merely a consequence, of oral disease
- Dysbiotic microbiomes can act as a 'canary in the coalmine'



George Mandelaris, DDS, MS, FACD, FICD
& **Brian Vence, DDS**
Surgically Facilitated Orthodontic Therapy (SFOT) An Interdisciplinary Approach

Course Description:

Long-term aesthetic and functional results of oral reconstruction often involve periodontal and restorative treatment. In many clinical situations, a more holistic approach is indicated which involves orthodontic and maxillofacial surgery skill sets. The concept of interdisciplinary dentofacial therapy (IDT) is often overlooked which leads to compromised or failed treatment results over the long-term. In order to avoid such mistakes and unfortunate consequences, patients should be offered an interdisciplinary team utilizing orthognathic surgery and surgically facilitated orthodontic therapy (SFOT) to optimize conditions for homeostasis of the periodontal tissues and balance of dentofacial disharmonies (including the airway). Surgical, orthodontic and restorative perspectives will be presented from a tooth-tooth, tooth-jaw, jaw-jaw and jaws-face context to challenge the contemporary (IDT) team to move beyond traditional therapies into a new frontier for enhanced outcomes.

Learning Objectives:

- To appreciate the limitations of restorative dentistry and conventional orthodontics in treating the patient with esthetic dental needs.
- To review IDT diagnostic modalities critical to treatment planning of the interdisciplinary patient requiring restorative, orthodontic, periodontal and maxillofacial surgery.
- To discuss the role of SFOT in the management of decompensating the skeletal malocclusion prior to orthognathic surgery.
- To present how SFOT can complement orthognathic surgery outcomes, ultimately ensuring esthetic and functional outcome success for the restorative specialist. (Sponsors: BioHorizons and Geistlich)



Kevin G. Murphy, DDS, MS
The Year in Review: A Summary of the Most Important Articles Related to Periodontics and Implant Therapies Published in 2023

Course Summary:

Keeping up to date with the current literature is a challenge for all practitioners. The goal of this lecture is to provide attendees with a succinct summary of the most important articles published last year related to the following subject areas:

- The assessment, prevalence, treatment regimens of periodontal disease
- Medication related osteonecrosis of the jaw
- The systemic health conditions affecting the periodontium and alveolar bone health
- Periodontal regeneration
- Soft tissue augmentation adjacent to teeth and implants
- Alveolar ridge preservation and alveolar bone augmentation techniques
- Implant therapies
- Peri-implant disease and treatment



Steven M. Sullivan, DDS, FACS, FACD
Structural Approach to Idiopathic Condylar Resorption

Course Description:

Condylar resorption is an insidious process in which volume loss within the condyles develops oftentimes idiopathically. The attendant facial deformity can be quite severe, resulting in a clockwise rotational movement of the maxillomandibular complex and compromising facial esthetics, the occlusion, and airway.

Learning Objectives:

- This presentation will present a structural approach to the reconstruction, compare and contrast conventional double-jaw surgery with total joint replacement, as well as touch on the pathophysiology and suspected cause



Rachel Schallhorn, DDS, MS
Regenerative Periodontal Surgery: preserving the natural dentition with a comprehensive treatment approach

Course Description:

Regenerative periodontal surgery offers patients the opportunity to improve and maintain their natural dentition. Achieving success in regenerative therapy requires a comprehensive and patient-centered approach. Key elements of regenerative therapy will be reviewed, including site-selection, surgical techniques and materials-selection, long-term outcomes and maintenance.

Learning Objectives:

- Analyze various periodontal defects encountered during treatment and indications for different treatment approaches
- Review regenerative periodontal surgical techniques and materials
- Discuss a comprehensive, patient-centered approach to treatment including preparation for surgery and long-term maintenance



Bor Jian Chen, DDS
Ridge Preservation Using Non-Resorbable Open Membrane Technique

Course Description:

Ridge Preservation with the use of membrane and bone graft is a predictable approach to Attenuate Alveolar Ridge Resorption after tooth extraction. Using d-PTFE membrane as open occlusive barrier, preventing down-growth of epithelium, regenerating bone formation can be achieved. No requirement of Muco gingival junction translocation or soft tissue grafting needed during implant placement.

Learning Objectives:

- Understand the consequence of tooth extraction
- Utilize d-PTFE membrane as open membrane technique
- Learn surgical technique how to prevent early exposure of membrane



Kia Karimi, DDS
Biomimetic Onlays, Rationale, Armamentaria, and Technique

Course Description:

In this presentation I will discuss the rationale for adhesively retained partial coverage restorations vs crowns. I will explain the importance of using proper armamentaria, guidelines and techniques for preparations, and tips and tricks on Rubber dam dentistry. Concepts such as selective caries/crack removal, Immediate dentin sealing, Resin coating, Deep margin elevation, Short fiber reinforced composites, Ribbond, and tips to improve bonding to various substrates will be covered.

Learning Objectives:

- You will understand the reason for adhesively retained partial coverage restorations vs crowns
- You will have techniques on rubber dam dentistry
- You will improve your bonding to various substrates



Shepard DeLong, DMD
The "Why" of Advancing Surgical Technology: Cutting-Edge Methods to Enhance Doctor Health and Patient Care

Course Description:

Is it inevitable? Will we find a way to offer definitive care for our patients and ourselves? We think so. From biocompatibility to robotics, this course will be an overview of modern technological advancements in dental practice. How do AI, AR, VR, relate to the Dental Operating Microscope? You will learn about the many benefits of microscope enhanced dentistry, and how it can be used in concert with other devices like lasers and iPads to help build and maintain trust with patients. Restorative, Diagnostic, and Surgical applications will be discussed with case presentations. Why? With both evidence and anecdotes, a compelling argument will be made for riding the wave of advancing technologies.

Learning Objectives:

- Gain perspective on the far reaches of medical and dental science today and how it relates to normal practice
- Understand the benefits of combined technology
- Learn about the value of visual aids like the Operating Microscope, AI and Augmented Visualization

SPEAKERS



Mark Anthony Limosani, DMD
The Restoration of Endodontically Treated Teeth & Dentin Conservation: Theoretical Concepts & Practical Applications.

Course Description:

Learning goals include conducting an ongoing review of current literature as it pertains to the influence of tooth structure conservation and outcome. We will discuss current alterations to the traditional treatment philosophy and their impact on dentistry. The lecture presentation concentrates on how to perform endodontics in a predictable, reproducible manner using modern techniques that aim at enhancing the long-term prognosis of the tooth. Included in this lecture will be a thorough discussion concerning access, headways in rotary design and metallurgy, instrumentation philosophy, and various obturation options.

Learning Objectives:

- Provide insight into the paradigm shift related to strategic dentin preservation.
- Outline the armamentarium required to accomplish our procedural goals.
- Demonstrate clinical protocols that marry the traditional objectives of disinfection with a more minimally invasive approach to treatment



Arnoud Noot, DDS
Anterior Composite Restorations Using Microscope Magnification

Course Description:

Often direct or indirect composite materials are overlooked in trying to solve restorative or esthetic solutions. Our objective needs to be in finding a balance between esthetics, longevity, strength, cost, preserving natural tooth structure and tooth vitality. Despite common beliefs and traditions among dental professionals, composite, restorations can be extremely esthetic when compared to ceramic crowns or veneers. In our presentation we will demonstrate examples of composite restorations and the careful techniques required in order to achieve consistent desired cosmetic results. Magnification using a surgical microscope is one of those skills needed. We will discuss ideal indications and contradictions or advantages and disadvantages over other materials direct or indirect. These techniques may take some time to develop, but with practice, confidence will ensue and new possibilities will reward both the practitioner and the patient.

Learning Objectives:

- Esthetic pitfalls: Flash, staining, voids, bubbles, overheating, texture, polishing, overhangs and ledges, blending, excessive occlusal forces, water sorption. Valuable insights will be shared in order to overcome these undesirable problems. Step by step demonstration via video, using a surgical microscope can show an operator's perspective
- The importance of treatment planning and using a diagnostic wax up and isolation with a Rubber dam is encouraged for best results. Air abrasion with aluminum oxide powder can also be helpful for cleaning and conditioning
- Advantages over ceramics and direct vs indirect restorations. We will discuss strength vs toughness and resilience. Future restorability options need to be considered. Repairability and modification are some advantages. Direct mock up restorations without adhesive can show a patient the desired outcome
- Ideal indications will be presented such as: peg laterals or missing lateral incisors. Composite veneers. Class IV, V restoration. Indirect full mouth rehabilitation. Restoring tooth occlusal wear. Shape and color modification such as diastemas and hypocalcification. The use of different types of matrices, wedges and mylar strips will be explained. Color selection and materials will be reviewed



Glenn van As, BSc, DMD
25 Years of The Dental Operating Microscope (D.O.M.) in Restorative and Esthetic Dentistry: Seeing is Believing

Course Description:

In this lecture the speaker will share his personal experience of over 25 years in using the microscope for 100% of his clinical work. The lecture will discuss the four benefits of using the Dental Operating Microscope in daily general practice for restorative dentistry. The advantages of the microscope for improvements in precision, ergonomics, documentation and communication will be shared with attendees. The lecture will share clinical cases in an evidence based fashion with literature to support these cases from simple direct restorative dentistry through to smile makeovers. Come see how the D.O.M. can be the center of the operator for a general practice providing quality esthetic and restorative dentistry.

Learning Objectives:

- Gain an understanding of the four benefits of using the D.O.M. for restorative dentistry.
- Appreciate the advantages of the microscope in clinical cases from simple indirect restorations through to smile makeover cases.
- Discover literature that can support the usage of the microscope for restorative dentistry.
- Understand the power of the microscope in the documentation of your clinical cases



Andrei Berdichewsky, DDS
How to Improve the Endodontic Outcome Using Dental Operating Microscope

Course Description:

The use of a dental operating microscope (DOM) can significantly improve the outcome of endodontic treatment. The DOM provides a magnified view of the tooth, allowing clinicians to identify and treat canals that would otherwise be difficult to see with the naked eye. The microscope also helps in finding cracked tooth, and locating and removing separated instruments, preserving more tooth structure. To improve the endodontic outcome using a DOM, it is important to have a thorough understanding of dental anatomy treat anatomical variations that may exist within the tooth, and the application of magnification and ultrasonics.

Learning Objectives:

- Benefits of the DOM finding and treating different anatomical situations like difficult to find canals and radicular resorptions.
- Application of the new clinical prognosis signs on cracked tooth.
- Using the DOM to manage endodontic adverse events, like separated instruments and perforation repair.



Kiyonobu Saburi DDS, Ph.D.
New Approaches in Interdisciplinary Dentofacial Therapy: Combining Orthodontic and Periodontal Techniques to Maximize Esthetics, Function, and Stability

Course Description:

This presentation will provide original treatment options for bony architecture correction with resective, regenerative and orthodontic tissue remodeling, clearly describe a diagnostic system utilizing cephalometrics and 3D CT imaging, and state the importance of considering the entire dentofacial complex.

Learning Objectives:

- Surgically-Facilitated Orthodontics
- 3D implant positioning
- Occlusal reconstruction to idealize dentofacial esthetics and function

RDH SPEAKERS



Susan S. Wingrove BS, RDH
Mastering the Arch! Full Arch Implant Maintenance and Home-Care

Course Description:

Support your patients choosing to replace dentures or edentulous arches with implant-supported full arch fixed or removable prostheses. Assessment of patient's tissues, abutments, and implants are the critical component in the success of implant-supported Full Arch prosthesis patient. In this course, participants will gain an understanding on how to provide assessment, maintenance, and home-care recommendations for the full arch fixed and removable prosthesis patient. Experience step-by-step videos on removal and replacement of the fixed full arch prosthesis based on Susan's textbook: Perimplant Therapy for the Dental Hygienist: 2nd Edition. Comprehend the WHAT, WHY, and HOW To of Mastering the ARCH!

Learning Objectives:

- To understand WHAT and WHY of Full Arch Implant Prostheses and the current research on implant maintenance and home-care specifics for full arch removable and non-removable prosthesis
- Experience through live patient videos HOW TO remove and replace full arch prostheses and the flow of a professional implant maintenance visit
- To be able to provide the tools and products for critical home-care recommendations and disease prevention (*Sponsors: Ivoclar, Oral-B*)



Tricia Osuna, BSDH, RDH, FAADH
CHANGE YOUR THOUGHTS AND IMPROVE YOUR OUTCOMES - An Update on Protocols, Products, and Treatment Options

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:

- Modify diagnosis assistance with the team and rationale for changes in assessment forms and diagnostic tools
- 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 control, 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 (*Sponsors: Ivoclar, Enova, Directa Dental, Kettenbach and Nordent*)



Lynn Atkinson, RDH
Technology, Teeth, and Time

Course Description:

Technologies transform how clinicians diagnose and treat patients more efficiently than ever before while enhancing the patient experience. The dental hygienists can be leaders in bringing technologies to the forefront and empowering team members on the benefits for the patients, team, and the practice. This course will introduce several different technologies to make the dental hygiene experience more comprehensive and efficient.

Learning Objectives:

- Identify different technologies used in diagnosis and therapies
- Learn how to incorporate technologies in different scenarios
- Recognize the advantages of using technologies in the hygiene department (*Sponsors: EMS, Biolase*)



Cindy Purdy, RDH, BS, CEAS
EVERY CHOICE MATTERS: Strategies and Insights into Better Dental Ergonomics

Course Description:

A profound number of dental professionals are experiencing chronic pain, injury, disability, and early retirement. By facing the ergonomic realities of the practice of dentistry, this course will present solid ergonomic principles and science-based ergonomic evidence that will guide attendees to truly understand the mechanics of musculoskeletal disorders, learn the cost of injury and discover why and what can be done to reduce workplace challenges, enhance wellness and extend career longevity.

Learning Objectives:

- Explore the current studies related to dental ergonomics.
- Recognize the risks for work-related injuries impacting the dental profession.
- Appreciate the role of neutral posture in reducing ergonomic challenges. (*Sponsors: Crown Seating, LLC, Hu-Friedy Group, MouthWatch, LLC, Andau Medical*)



Melissa Calhoun, MSDH, RDH
The Future Is NOW... Implementing Minimally Invasive Dental Hygiene Therapy into Clinical Practice

Course Description:

Do you ever provide preventive therapy and feel as though something is missing? You've used mechanical, hand instrumentation, and polishing agents, yet biofilm is still present. Technology has provided dental hygienists with an effective and efficient way to disrupt biofilm minimizing the use of mechanical and hand instrumentation yet providing a systematic, predictable approach to biofilm disruption. Minimally invasive therapies provide clinicians with the best way to safely remove biofilm from around implants, crowns, primary teeth, and natural teeth using a non-abrasive powder, warm water, and air. This course will provide a better understanding of dental hygiene therapies and how to introduce them to your team and patients. In addition, this interactive course will guide you through a systematic approach to disease diagnosis and patient motivation through risk assessment while achieving optimal results based on individualized precision patient care.

Learning Objectives:

- Understand why minimally invasive dental hygiene therapy encourages improved oral health outcomes
- Discuss ways to integrate minimally invasive dental hygiene therapy into their practice
- Explain minimally invasive dental hygiene therapy with your patients
- Consider guided biofilm therapy for performing minimally invasive dental hygiene therapy (*Sponsor: EMS*)



Nicole Fortune, RDH
Periodontal Excellence: Essential Insights and Practices for Dental Hygiene Professionals

Course Description:

Tailored specifically for dental hygienists, this course is designed to provide a review of the intricacies of periodontal diseases, emphasizing the essential knowledge and skills necessary for effective patient care. Participants will delve into the etiology, pathology, and clinical manifestations of periodontal diseases, gaining insights into the latest advancements in periodontal diagnostics and treatment modalities. This course integrates theoretical knowledge with practical applications, providing dental hygienists with the tools and skills needed to contribute to the prevention, diagnosis, and management of periodontal diseases in a clinical setting.

Learning Objectives:

- Identify the various etiological factors contributing to periodontal diseases, including microbial, genetic, and environmental factors
- Evaluate risk factors and their impact on the development and progression of periodontal diseases
- Explore evidence-based approaches to non-surgical periodontal therapy
- Discuss the integration of antimicrobial agents and adjunctive therapies in the management of periodontal diseases (*Sponsor: Young Dental*)



Anne O. Rice, RDH, BS, FAAOSH, CDP
The Battle of the Microbiome: The Synergistic Relationship Between Oral Health and Nutrition

Course Description:

"You are what you eat" is attributed to nutritionist Victor Lindlahr in the 1930s, emphasizing that idea that food has a direct impact on health. Humans need a balanced intake of both macronutrients (such as proteins, fats, and carbohydrates) and micronutrients (vitamins and minerals) for overall wellness, including oral health. Oral dysbiosis caused by a loss of microbial diversity, increased presence of pathogenic microbes, and a loss of beneficial microbes culminating to periodontal disease is becoming a challenge to treat. Science is mounting surrounding biofilm and resistant pathogens, leading to clinician and patient frustration. This presentation will offer a comprehensive exploration of the connection between nutrition and periodontal health, providing practical information and strategies for oral healthcare providers to integrate into their toolkit. Participants will gain knowledge on how to "feed and starve" the oral microbiome will cover information on vitamins, xylitol, pH, antimicrobials, essential oils, and nitric oxide in the context of periodontal health.

Learning Objectives:

- Identify specific vitamins and nutrients that feed a healthy mouth
- Summarize how oral cavity probiotics may benefit by providing colonization competition, genetic modification of the microbiota and immune stimulation
- Understand the dimensions of antimicrobials and their alterations to the microbiome (*Sponsor: BioGaia*)



Tom Baker, DDS
Reflections on the Treatment of Periodontal Disease After 45 Years of Practice; Use of the Microscope, Periscope, and Loupes in Minimally Invasive Periodontal Therapy

Course Description:

I aim to share my consistently successful minimally invasive treatment techniques for periodontally involved teeth by presenting patient cases. Use of various modalities of magnification will be demonstrated. The importance of accurate diagnosis will be discussed. Hygienists, dentists, and periodontists may find these treatment procedures useful.

Learning Objectives:

- Importance of diagnosis
- Armamentarium that allows for minimally invasive treatment
- How I perform minimally invasive periodontal treatment
- Levels of therapy for both the hygienist and dentist/periodontist
- Importance of saving teeth, while acknowledging the necessity of dental implants

WORKSHOPS

THURSDAY, AUGUST 15TH • 6-9PM

Invest 3 hours in yourself and in your career that will change EVERYTHING about how you think about dentistry.

COURSE PANELISTS:



Randy Shoup,
DDS



Juan Carlos Ortiz Hugues,
DDS, CEAS, AEP



William Linger,
DDS, MAGD, MAMED



Ozzie Mayoral,
DDS

Elevate Your Practice with High Magnification Dentistry

Course Description:

Unlimited Supply of Patients Willing to Pay You OUT OF POCKET! Practice PAIN FREE - No More Back, Neck, Shoulder, Hip, or Leg Pain EVER! Complex Dentistry Made Simple, Easy, and DEPENDABLE!

Learning Objectives:

- How to offer dentistry that your patients want and are willing to pay for, regardless of their dental insurance
- How to create a waiting list of patients wanting your best and finest services
- The most popular dental service you offer to your patients that they HATE!
- How to protect your hands, neck, back, shoulders, hips and legs from chronic injury that will shorten or end your career
- How to NEVER practice in pain again
- How to protect yourself and your team from repetitive injury
- How to do 60% of your operative dentistry without having to give a shot or use a drill
- How to perform very complex dentistry with a system that is simplified, easier and offers amazing results
- How to see your dentistry with clarity, magnification, a clean field and much less stress on your eyes and hands
- The latest and most up-to-date technology for performing operative, crown and bridge, endo and perio in a GP office

\$99

All this and so much more compressed in just 3 hours. Yes it can be done, and we will do it for YOU!

AMED CHALLENGE:

If you can cut a better crown prep than one of our instructors, we will pay you **\$100.00**

If our instructors can cut a better crown prep than you... **YOU JOIN AMED!**

Bring your loupes, favorite burs, whatever you want. We will have the dentiform and teeth to prep. Let's see just how good you REALLY are.

SATURDAY, AUGUST 17TH • 2:00PM - 5:00PM



Juan Carlos Ortiz Hugues, DDS, CEAS, AEP

Advanced Dental Ergonomics with Ergonomic Loupes: Workflow, Posture, Positioning, and Wellness in Dentistry

The Course Includes An Individual Ergonomics Assessments and Situational Report, Pre and Post Course Using Video Analysis

Course Description:

Naked eye dentistry should be a thing of the past, the high rate of musculoskeletal disorders of 60-80%, 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.

ALL MODULES BELOW INCLUDE A LECTURE AND DEMONSTRATION

Program:

- Part 1. Biomechanics of the human body, the ergonomic stool, posture
- Part 2. Systematic positioning
- Part 3. Ergo loupes features and user guidelines
- Part 4. Four handed dentistry. The role of the dental assistant

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 an organization office strategies that minimizes mental fatigue
- Advanced Dental Ergonomics with Ergonomic loupes
- Workflow, Posture, Positioning and wellness in dentistry

\$199

SATURDAY, AUGUST 17TH • 8:00AM - 5:00PM



Thomas G. Wiedemann, MD, PhD, DDS

Modern Advanced Atraumatic and Surgical Extraction Techniques, Complications Management, Socket Grafting, GBR and Other In-Office Oral Surgery Procedures for General Dentists

This Course Consists of Lectures and Hands-On Training on Porcine Mandibles

Learning Objectives:

- Understand and apply practical working knowledge in non-surgical and surgical techniques used in modern exodontia
- Apply and select specific instruments for minimally invasive and alveolar ridge protecting extraction procedures to facilitate immediate dental implant placement
- Manage common real-life complications associated with tooth extractions
- Analyze and anticipate surgical challenges in tooth extractions
- Feel comfortable in risk assessment in medically compromised patients requiring tooth extractions
- Perform current simple protocols of GBR, including socket preservation, as related to pre-implantological extractions
- Perform other frequent and common oral surgery procedures in the general dental practice
- Allow participants to refine and update all surgical skills

\$995

SUNDAY, AUGUST 18TH • 8:00AM - 12:00PM

Thomas G. Wiedemann, MD, PhD, DDS

Understanding Sutures and Flap Designs for General Dentists

This Course Is Under The Direction of Thomas G. Wiedemann, MD, PhD, DDS

Learning Objectives:

- Comprehend predictable wound healing, suture mechanics and the importance of correct suturing.
- Select the suture threads, needles, and hand instruments.
- Know the armamentarium needed to facilitate surgical sutures in the mouth.
- Understand why and how to choose a particular type of suture material.
- Learn to perform and apply the most useful suturing techniques in diverse clinical situations and understand the theory of these different suturing techniques in surgical exodontia, bone grafting, implants, clot and membrane stabilization, primary closure
- Discover how to avoid the most common suturing mistakes.
- How to deal with suture challenges and complications
- Understand principles of wound healing and flap design
- Perform full-thickness and split-thickness flaps on a pig-jaw, including a GBR-procedure and the use of different types of classic and modern suture techniques as related to pre-implantological extractions
- Perform other frequent and common oral surgery procedures in the general dental practice
- Allow participants to refine and update all surgical skills

\$495

SUNDAY, AUGUST 18TH • 9:00AM - 12:00PM

Juan Carlos Ortiz Hugues, DDS, CEAS, AEP

Advanced Dental Microscope Ergonomics

Includes: Preliminary Course, Ergonomic Assessment and Post Course, Ergonomic Assessment

Course Description:

This course is designed for Microscope dentists including experienced users, new users and those looking to buy a microscope. The goal of this course is to teach the basics of ergonomics and the application in the dental practice. We have seen many experienced dentists are using the microscope less than 20% of the time. Why? Because they do not have the information on ideal ergonomics of the human body and how to properly adjust the microscope in a systematic approach. We will help you minimize the learning curve and you should be able to use the microscope 90-100% of the time. We will teach how to keep the body in the best posture and use the microscope to its full potential.

ALL MODULES BELOW INCLUDE A LECTURE AND DEMONSTRATION

Program:

- Part 1. Understanding Biomechanics of the human body
- Part 2. Positioning The Patient In The Chair
- Part 3. The Assistant's Role
- Part 4. Microscope Adjusting And Setting

Learning Objectives:

- Work through the microscope in all quadrants with direct and indirect vision.
- Use the dental microscope for all procedures in dentistry in an operator setting.
- Practice with microscope 100% of the time, from anesthetic to suturing.
- Use video and photo documentation with the microscope
- Setup a microscope centered practice.
- How the microscope can't be beat for the four pillars of quality dentistry: Magnification, Illumination, Communication and Ergonomics.
- An outline and instruction of the skill set needed to pass the AMED certification exam.
- Personalized training tailored to your individual needs and skill level.

\$495

HOTEL - GRAND HYATT DENVER

1750 Welton St, Denver, CO 80202



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Make yourself at home in one of the 516 guestrooms featuring refrigerators and iPod docking stations. Your pillowtop bed comes with down comforters and premium bedding. Wired and wireless internet access is complimentary, and flat-screen televisions with premium TV channels provide entertainment. Private bathrooms with showers feature designer toiletries and hair dryers.

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Grab a bite to eat at Courier Kitchen and Bar, a restaurant which features a bar/lounge, or stay in and take advantage of the 24-hour room service. Full breakfasts are available daily from 6 AM to 11 AM for a fee.

To reserve a discounted room secure your reservation by 7/1/2024.

Passkey Link for Attendee:

<https://www.hyatt.com/en-US/group-booking/DENRD/G-WSOP>

For information on this or other seminars contact: tgoldman@wsporio.org

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Western Society of Periodontology 72nd Annual Scientific Session
 Western Dental Hygiene Symposium
 Academy Of Microscope Enhanced Dentistry 23rd Annual Meeting
The Leaders in Collaborative Care
 August 15-18, 2024 • Denver, Colorado



THE LEADER IN HIGH
 MAGNIFICATION DENTISTRY

“Mile High Mastery with WSP and AMED”

2024 Registration Application & Pricing

Personal Information

Full Name: _____ Dentist RDH RDA
 Address: _____ Suite#: _____
 City: _____ State: _____ Zip: _____
 Cell Phone: _____
 Email Address: _____

2024 ANNUAL MEETING REGISTRATION FEES

WSP/AMED/MEMBERS:	<i>Early Bird: By May 17th</i>	<i>By July 26th</i>	<i>After July 26th</i>
Dentists	<input type="checkbox"/> \$595	<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 page 5 for Hands-On Course Pricing	<input type="checkbox"/> _____		
WSP/AMED/NON-MEMBERS:			
Dentists	<input type="checkbox"/> \$695	<input type="checkbox"/> \$795	<input type="checkbox"/> \$925
F/T Faculty/Military	<input type="checkbox"/> \$515	<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"/> \$125	<input type="checkbox"/> \$125	<input type="checkbox"/> \$150
Refer to page 5 for Hands-On Course Pricing	<input type="checkbox"/> _____		
Registration on-site \$100 additional fee	<input type="checkbox"/> _____		

Total Amount Due: _____

*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 7/1/24. Cancellations made between
 7/2/2023 - 7/25/2024 will be charged \$100 cancellation fee. No refund will be made for cancellations after 7/26/2024. Please register online at wsprio.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: _____
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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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