

WESTERN SOCIETY OF PERIODONTOLOGY
71st ANNUAL SCIENTIFIC SESSION



ACADEMY OF MICROSCOPE ENHANCED
DENTISTRY 22nd ANNUAL MEETING



WESTERN DENTAL HYGIENE SYMPOSIUM
& AzDHA IMPACT CONFERENCE



The Leaders in Collaborative Care

2023

"New Heights in Interdisciplinary Care"

September 8-10, 2023 • Phoenix, AZ

JW Marriott Phoenix Desert Ridge Resort & Spa

WORLD-RENOWNED SPEAKERS



Dr. Ken Reed



Dr. Sacha Jovanovic



Dr. Thomas Wiedemann



Dr. Homa Zadeh



Dr. Lyndon F. Cooper



Susan Wingrove



Trisha O'Hehir



Dr. Bobby Birdi



Dr. Juan Carlos Ortiz Hughes



Kandra Sellers



Dr. Georgios A. Kotsakis



Dr. Samuel B. Low



Dr. Hector Sarmiento



Dr. Len Tau



Dr. Israel Puterman



Dr. Giles Horrocks



Dr. Ryan Lewis



Dr. Angus Barrie



Dr. Junichi Watahiki



Dr. Mia L. Geisinger



Dr. Dwayne Karateew



Dr. Pinar Emecen-Huja



Dr. Abhiram Maddi



Prof. Dr. Georgios Romanos



Dr. Bill Paveletz



Dr. Joy Void-Holmes



Heather Rogers



Anne O. Rice



Katrina Sanders



Jodi Deming



Sherri Lukes



Dr. Tom Kepic



Dr. Jeffrey D. Krupp



Dr. Tatsuya Hasegawa



Dr. Tadahiko Nakano



Dr. Ed McLaren



Dr. Sadaki Sakamoto



Prof. Dr. Marco Aurélio de Carvalho



Dr. Enrico Cassai



JW Marriott Phoenix Desert Ridge Resort & Spa



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2023 "New Heights in Interdisciplinary Care"

Welcome

71 YEARS IN THE MAKING!

Welcome to a Celebration of Interdisciplinary Dentistry at the 71st Annual Meeting of the Western Society of Periodontology (WSP), the 22nd Annual Meeting of the Academy of Microscope Enhanced Dentistry (AMED), the AzDHA Impact Conference and the 4th Annual Western Dental Hygiene Symposium (WDHS). The dates to mark on your calendar are September 7-10th, 2023 in Phoenix, AZ.

The theme of this year's meeting is **"NEW HEIGHTS IN INTERDISCIPLINARY CARE."**

The 2023 Annual Sessions has chosen the amazing JW Marriott Desert Ridge for an end of the Summer Splash. 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. Sacha Jovanovic, Lyndon Cooper, Bobby Birdi, Homa Zadeh, Thomas Wiedemann, Mia Geisinger 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.

At the same time, the AzDHA Impact Conference will partner with 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...Trisha O'Hehir, Joy Void Holmes, Susan Wingrove, Katrina Sanders, Sherri Lukes, Heather Rogers, Ann O. Rice and Jodi Deming.

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

New Feature at WSP: Thursday Afternoon we will offer a new Sedation Course: All WSP/AMED registered members can attend this course for free. For non-members it is \$199.00. Membership truly has its benefits.

The WSP, AMED and AzDHA are excited to collaborate to create this one-of-a-kind learning experience in one of the most desirable resorts on the West Coast. The Marriott is one of the premier properties in Phoenix.

Meeting Chairs,



Dr. Harjit Singh Sehgal
(WSP)



Dr. Christopher A. Laing
(AMED)



Susan Wingrove, BS, RDH
(WDHS)



Heather Rogers, RDH, BSDH
(WDHS)



Valery Brady, RDH
(AzDHA)

WHAT IS INCLUDED IN YOUR REGISTRATION?

ALL ATTENDEES RECEIVE:

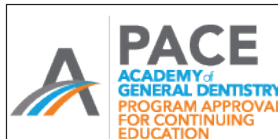
- ▶ Attendance at Any and ALL General Sessions of their choosing
- ▶ Light Breakfast and Lunch
- ▶ Friday Night Exhibitor Reception
- ▶ Ticket to Saturday Evening Awards Event
- ▶ Free Attendance to Sedation Course (WSP & AMED Members)



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.



Academy of Microscope Enhanced Dentistry Approved PACE Program Provider for FAGD/MAGD credit. Approval does not imply acceptance by any regulatory authority or AGD endorsement. 01/01/2022 to 12/31/2024. Provider ID# 309805

THURSDAY BONUS SEDATION COURSE*



Dr. Ken Reed, DMD
Sedation Dentistry: Increasing Patient Comfort
- Based on the Classic Literature with Current Literature Updates

Course Description:

The presentation will start with a discussion of nitrous oxide. It will progress to intraoperative sedation (oral and IV), local anesthesia, and end with post-operative analgesics.

Learning Objectives:

- Discuss the ideal use of the combination of nitrous oxide with enteral or parenteral sedation
- List three different local anesthetics and the best use for each
- Compare opioids to non-opioids as post-operative analgesics



Kandra Sellers, RDH, BA
Medical Billing, Get Paid As A Medical Specialist!

Course Description:

We all know there is a link between the oral health and the rest of your body. If that is the reality, we should be billing many of our procedures as a medical specialist to medical carriers. After all, your patients have benefits for many of the things you do every day in your practice. This course you will help develop an understanding of WHY you would want to incorporate Medical Billing into your practice. Gain the knowledge of what procedures, you perform every day in your practice, can be billed to medical. Grasp the difference between dental and medical insurance, how they differ and how you can collect up to your full fee, decreasing write-offs. This is the course that will show you the ROI and the value that medical billing can bring to your practice as well as increased case acceptance by giving your patients another way to pay for the treatment that they need and want. If you have tried this and it has failed, DO NOT give up, it does work! No matter your specialty in this industry if you are ready to shift your mindset of being "just a dentist", to that of a medical specialist you will want to attend this course. *Sponsors: Care Credit, Huntington Bank, OraCare, Califree*

Learning Objectives:

- Identify what procedures can you bill to Medical
- Understand the financial and marketing opportunities with Medical Billing
- Decrease the patients out of pocket expense... their dental benefits are limited!

***Included in meeting registration for Members / Non-Members \$199.00**

WSP SPEAKERS



Dr. Georgios A. Kotsakis
Evidence-based Peri-implantitis Prevention & Management and the Harm Associated with Empirical Dental Treatments

Course Description:

Peri-implantitis has been receiving attention following recent studies that showed it is highly prevalent and difficult to manage. This lecture will provide the latest evidence-based information on peri-implant diseases with emphasis on the role titanium particle release has in destructive bone inflammation around implants. Strategies for prevention and mitigation will be presented through clinical cases.

Learning Objectives:

- Define peri-implantitis and diagnostic criteria.
- Understand the risk factors for development of peri-implant disease and treatment modifications for prevention.
- Formulate an assessment and maintenance strategy for all phases of implant treatment.



Dr. Samuel B. Low
Successful Strategies to Manage Peri-implantitis

Course Description:

The dental profession continues to observe a significant increase in peri-implantitis from multiple etiologies including biofilm management, history of severe periodontitis, occlusion and restorative considerations. All tissue erbium lasers are effective in managing the diseased implant environment ranging from decontamination of the implant surface to decortication. Through case reports, we will add "pearls" to laser surgical intervention with adjunctive steps using osseous grafting, biologics, restorative management and occlusion dynamics resulting in resurfacing of the dental implant.

Learning Objectives:

- Review the role of etiologic factors responsible for peri-implantitis and how they can be managed with effective techniques
- Demonstrate the effectiveness of the ErC+ YSGG laser for decontamination of implant surfaces while reducing inflammation through degeneration of dental site.
- Establish the role of osseous augmentation and biologics with surgical implant care to enhance regeneration



Hector L. Sarmiento
Surgical Management of Peri-implantitis In The Aesthetic Zone

Course Description:

With the increased number of clinicians placing dental implants, there has been an increase of implant related complications. Within these complications, peri-implantitis is the most prevalent. In this course we will discuss how to diagnose peri-implant diseases, risk factors, the management of soft and hard tissues and how to detoxify implant surfaces with the use of lasers.

Learning Objectives:

- How to diagnose and to surgically manage periimplantitis.
- Forefront biologic materials for grafting periimplantitis cases.
- Surgical Limitations when regenerating bone loss in the esthetic zone.



Dr. Sascha A. Jovanovic, DDS, MS
GBR Bone Augmentation – A 30+ YR Biological and Clinical Journey with Digital and Implant Design Improvements

Course Description:

For 30+ years Guided Bone Regeneration (GBR) has changed and innovated the surgical field of implant placement and allowed predictable bone regeneration for long term implant, prosthetic, and esthetic results. This lecture will cover the biological principles and the protocols for the main GBR indications including bone grafts, resorbable and non-resorbable PTFE membranes, tacking systems, growth factors, soft tissue grafts, biomaterials, tools and instruments and clinical steps. Retrospective analysis and observations will be used to present solutions for patients with traumatic bone loss, implant failures, and soft tissue deficiencies focusing on horizontal bone defects with an outlook to the vertical combination defect. New evidence and technology in implant product design and digital workflow will be presented as the in-office digital implant and GBR planning and the 3D printing of surgical guides, bone models, immediate temporaries has significantly improved the precision of the surgical treatment. Implant type decision making in GBR will be discussed as it is a critical factor for long term success and the

SPEAKERS

choice between bone level versus tissue level implants, engaging versus non-engaging implant and immediate implant temporization at implant uncovering is critical to preserve crestal bone and soft tissue health.

Learning Objectives:

- Learn from 30+ years of biological principles in GBR and its clinical steps
- Choose the correct clinical implant protocol to preserve GBR regenerated crestal bone
- Understand the influence of new digital technology on surgical consistency



Dr. Len Tau
Raving Patients: Get Visible, Get Credible: Get More New Patients

Course Description:

Word of mouth has always been the foundation for the acquisition of new patients by a dental practice but in our internet age, word of mouth is transformed because of reviews sites like Google, Yelp, and Facebook. Online reviews are now one of the biggest ranking factors in a local search. Being credible is only one piece of the puzzle though. Your practice also needs to be found online when people are searching for a dentist near them. Are you at the top of the Google Map Pack? If not you are invisible and all of those great reviews are not doing you much good. In this seminar, Dr. Tau shares numerous tips and best practices to not only become credible but visible online. He will also discuss the system that has been tried and tested in his own office enabling him to take his practice to the next level simply by marketing his reputation.

Learning Objectives:

- Understand the importance of taking control of your online presence
- Learn software programs that help manage your reputation
- Develop strategies for garnering positive patient reviews



Dr. Thomas Wiedemann
Grafted Versus Graftless Implantology in Highly-Atrophic Edentulous Arches

"The edentulous patient is an amputee, an oral invalid, to whom we should pay total respect and rehabilitation ambitions" (P-I Branemark, 2005).

Course Description:

The atrophic and edentulous jaw can pose a number of challenges for the implant clinician. In simple terms, the amount of bone that remains is insufficient for the conventional placement of a dental implant. A variety of treatment strategies can be employed to enable implants to be placed despite the paucity of bone stock in either the mandible or the maxilla. Conceptually these strategies follow one of two pathways: either augmentation of the bone, or the novel utilization of the remaining bone. However, successes do not always occur. Immediate loading cannot be performed in all grafted bone. In recent years new graftless treatment approaches have been proposed by using new concepts such as All on 4, tilted implants, zygomatic, pterygoid, short and small diameter implants. Recently, also individualized implants are available to adapt to any given bone situation. This presentation will discuss patient assessment and the range of contemporary options available to enable implant based rehabilitation. The lecture gives a broad overview on all types of treatment options including complications and failure management.

Learning objectives:

- Understand and evaluate different bone grafting procedures in highly atrophic arches
- Get an overview on graftless implantology
- Learn about the All on 4 concept; indications, risks, contraindications
- Learn about zygomatic and pterygoid implants: surgical protocols, indications, complications
- Clinical awareness of the outcomes of different treatment options in order to be able to critically assess the best option for each clinical situation



Dr. Israel Puterman
Ridge Augmentation: Tools, Techniques, Successes and Complications

Course Description:

This lecture will review numerous ridge augmentation techniques used to achieve a satisfactory amount of bone for placement of dental implants in a compromised site. We will discuss in a case format the benefits and limitations of several techniques including both resorbable and non-resorbable membranes. 3D printed titanium mesh, laminar allograft plates and how to manage certain complications. Both horizontal and vertical augmentation techniques will be reviewed, and how this relates to maximizing the benefits of periosteal stabilization sutures and fixation or tenting screws.

Learning Objectives:

- Recognize the role of space maintenance in a ridge augmentation procedure
- Learn pros/cons of different techniques to stabilize a graft/membrane complex
- Determine which types of cases benefit from tenting screws



Dr. Giles Horrocks & Dr. Ryan Lewis
Multidisciplinary Contemporary Digital Treatment Planning

Course Description:

This course will cover how to utilize digital implant treatment planning in a multidisciplinary clinic. Modern research supports several parameters that must be satisfied to achieve long-term peri-implant tissue stability. Through the application of proper diagnosis, contemporary digital implant planning and a team approach we can achieve predictable long-term peri-implant tissue stability.

Learning Objectives:

- Discuss medical and esthetic patient diagnosis.
- Digital implant treatment planning.
- Discuss parameters necessary to achieve long term peri-implant stability and how to achieve those through digital treatment planning.
- Discuss how digital treatment planning allows us to plan for necessary surgical procedures.
- Discuss contemporary surgical techniques for implant site augmentation.



Dr. Junichi Watahiki
A New Method of Bone Augmentation to the Labio-Buccal Side Using Orthodontic Movement

Course Description:

Lecture on novel periodontal regeneration (O-PRO), a method that maximizes the effect of periodontal regeneration by orthodontic movement. Using O-PRO enables horizontal bone regeneration to the labial side of natural teeth, which was previously impossible.

Learning Objectives:

- Periodontal Regeneration for Orthodontics and Orthodontist Gingival Recession



Dr. Homa H. Zadeh & Dr. Lyndon F. Cooper
Full-Arch Implant Reconstruction with Immediate Functional Loading

Course Description:

Treatment of edentulous patients or those with terminal dentition to be transitioned to edentulism poses many challenges. A variety of surgical and prosthetic solutions need to be considered. The first question is whether remaining teeth have a reasonable prognosis and can be saved. If not, various replacement options can be considered. It is necessary to determine whether utilization of existing bone along with osseous resection to harmonize the bone crest is possible. This

option is often utilized for immediate functional loading. In other cases, regenerative solutions, such as sinus augmentation and alveolar ridge augmentation, will be necessary. Prosthetic solutions, such as fixed and removable restorations have to be considered. This presentation discusses the therapeutic options for full arch reconstruction, focusing on cases with compromised bone.

Learning Objectives:

- Treatment planning for full-arch implant-supported prosthesis: maxilla vs mandible
- Loading considerations: immediate conversion vs digital prototype fabrication
- Digital workflow: surgical, impression, prosthetic



Dr. Mia L. Geisinger, DDS, MS & Susan Wingrove, BS, RDH
Don't Let Peri-Implantitis Get You Twisted! Prevention, Diagnosis, and Treatment of Peri-implant Disease

Course Description:

Implant complications have many factors; patient-, site-, and fixture related, that convey risk of future peri-implant diseases. They factors should be addressed, if possible, prior to implant placement to reduce overall incidence of peri-implant disease. Once complications are identified, clinicians need to detect early signs of implant complications and provide individualized implant maintenance, home-care recommendations, and provide peri-implant treatments.

Learning Objectives:

- Assess risk factors for peri-implantitis and identify high and low-risk patients before, during, and after implant placement and restoration.
- Identify and implement patient-centered, customized supportive therapy to reduce rates of peri-implant mucositis and peri-implantitis in patients with dental implants.
- Develop strategies to identify biofilm-associated implant disease and put into practice a five-step protocol to assess and monitor dental implants.



Dr. E. Dwayne Karateew
Risk Factors for Peri-Implant Diseases: The Elephant in the Room

Course Description:

With the evolution of bioactive (rough) implant surfaces, we have witnessed a concomitant rise in the occurrence of peri-implantitis. While the surface itself is not to blame, it certainly expedites the transformation of a biofilm into an active disease process with loss of peri-implant bone. A review the etiology of peri-implant diseases as well as associated risk factors and diagnostic disease indicators will be discussed. The efficacy of suggested treatment protocols will be reviewed with case examples of both positive and negligible outcomes demonstrated.

Learning Objectives:

- Understand that the rise in Peri-Implant diseases was co-incident with the use of biologically active implant surfaces
- Review the major risk factors associated with Peri-Implant diseases
- Develop an appreciation for the success rate of Peri-Implant Disease therapy



Dr. Pinar Emecen-Huja
Periodontally Accelerated Osteogenic Orthodontics (PAOO): Facts and Applications

Course Description:

Periodontally accelerated osteogenic orthodontics (PAOO) is a common interdisciplinary treatment approach that utilizes surgical access, corticotomy and bone grafting to expedite orthodontic tooth movement and improve orthodontic treatment outcomes. This lecture aims to review biological principles to understand PAOO treatment based on evidence-based literature and highlights the implications of PAOO treatment option through evaluation of case-based presentations.

Learning objectives:

- Understand biological principles associated with periodontally accelerated osteogenic orthodontics.
- Evaluate advantages, risks, indications, and outcome of PAOO treatment based on review of literature and case presentations.



Dr. Abhiram Maddi
Flapless Approach to Dental Implant Surgery: Pros & Cons

Course Description:

Conventional dental implant surgery involves raising a flap to expose the alveolar bone for implant placement. This approach increases the risk for post-surgical complications including alveolar bone loss, post-op infection and trauma. The flapless approach to implant placement provides an alternative to the conventional approach. It has several advantages that include reduced intraoperative surgical time with the use of traditional and fixed surgical guides for multiple implant placement. A free-handed approach can also be utilized for single implants. However, the flapless approach is technique sensitive and has its limitations.

Learning Objectives:

- Differences between conventional and flapless approaches of dental implant placement.
- A step by step approach to flapless implant placement.
- Case selection and requirements for flapless approach.



Prof. Dr. Georgios Romanos
30-Years of Experience with Platform Switching Using Delayed and Immediately Loaded Implants

Course Description:

There is a general opinion that the platform switching of dental implants is associated with crestal bone stability. The speaker presents pre-clinical and clinical experience using different implant systems with platform switching and the main characteristics using delayed and immediate loading protocols. His experience in practice for more than 25 years with platform switched implant systems demonstrates the main features of this implant design for a crestal bone stability and long-term success.

Learning Objectives:

- To demonstrate preclinical experience with platform switching.
- To illustrate scientific data with platform switched implants under delayed and immediate loading conditions.
- To highlight the protocols stabilizing the crestal bone levels



Dr. Bobby Birdi & Dr. Angus Barrie
Perio-Prosthetic & Lab Synergy in Today's Practice

Course Description

This presentation will highlight the benefits of collaboration between the dental laboratory and both surgical & prosthetic treatment modalities. The importance of laboratory input in both treatment planning, sequencing, and restorative design/materials will be showcased in simple to complex cases. The power of working together using all the possible information will be highlighted.

Learning Objectives:

- Attendees will better understand interdisciplinary collaboration.
- Attendees will learn the benefits of including a dental laboratory through the entire process
- Attendees will gain insight on perio-prosthetics to apply at their practice

SPEAKERS

DENTAL HYGIENE SPEAKERS



Trisha O'Hehir, RDH, MS *Why Do Gums Bleed? The Impact of Sugar on Systemic Health*

Course Description:
How often do you see patients with 5mm pockets that bleed, despite your best efforts at oral hygiene instructions? The old brushing and flossing message may not be enough in today's high carbohydrate environment. Learn how sugar/flour impact periodontal disease by feeding oral bacteria and by complicating the immune response. Dental hygiene visits will soon incorporate diet coaching to improve oral as well as systemic health.

Learning Objectives:

- Understand the false premise supporting the low-fat diet
- Learn the truth about sugar's role in oral and systemic health
- Understand the role of the sugar industry in covering up vital information
- Initiate conversations with patients about hidden sugars
- Recognize the role of dental professionals in diet coaching



Dr. William Paveletz *For Mature Audiences Only... Breaking the Myths About Using Fluoride Varnishes and Tooth Creams with Our Patients Who Are "Too Sensitive."*

Course Description:

We know the importance of using fluoridation with our kids when their teeth are developing, but do we stress the importance with our adult population. The use of fluoride varnish benefits both younger and older patients. With our aging population their sensitivity is brought on by hot and cold beverages, certain foods, sweets, or even brushing certain areas of their dentition. Sometimes the patient cannot explain what caused the sensitivity in the first place! Dentists and hygienists tend to treat with typical established procedures which deliver minimal results, or they can offer state-of-the-art formulated products achieving remarkable results. This course discusses Nano and ORMOCER® technologies as they relate to today's preventative protocols for patients with moderate to high-risk patients with sensitivity issues

Learning Objectives:

- Understand Nano and ORMOCER® technologies as they relate to today's preventive desensitizers, tooth creams, and fluoridation procedures used in combating patient's hypersensitive complaints and symptoms.
- Understand the proper use of dental caries assessment forms (both ADA and CAMBRA) to explain to their patients the need for fluoridation treatments.
- Evaluate moderate to high-risk patients and be able to address alternative fluoridation therapies



Joy D. Void-Holmes, DHSC, BSDH, RDH *So You Think You Can Scale: The How, The What, and The Why*

Course Description:

In the past, the goal of periodontal therapy focused solely on the reduction of probing depths and removal of calculus. Current treatment strategies must expand beyond these goals to include meaningful reduction of oral inflammation to stave off the corresponding systemic inflammatory cascade. Identifying patient-specific treatment modalities that incorporate an armamentarium that addresses clinically detectable deposits and microscopic etiology without causing damage to the periodontium is paramount. Periodontal techniques and guidelines for treatment have changed over the past few decades, yet many clinicians are still providing care using dated theories and practices. In this course, participants will discover current paradigms related to diagnosing and treating diseases of the periodontium. A discussion on innovative technology designed to achieve greater treatment outcomes and to enhance the patient experience and will be had. The basic principles of manual and ultrasonic instrumentation will be revisited along with a review of current design concepts that replace unnecessary and counterproductive actions with the most effective actions to achieve clinical excellence. Attendees will walk away with increased knowledge and confidence in their treatment practices and have a greater appreciation for their value as an oral health care professional.

Learning Objectives:

- Examine current periodontal theory and the paradigm shift concerning the objectives of nonsurgical periodontal therapy
- Explain the core concepts of the AAP staging and grading guidelines
- Assess current techniques, products and guidelines established for the management of diseases of the periodontium



Heather M. Rogers, RDH, BSDH *Probiotics: History, Genus, and Application*

Course Description:

Probiotics have gained steady popularity in holistic and conventional medical applications. In two hours, we will define probiotics, discuss their history, and cover examples and treatment modalities especially the newer generation "oral" products. I'll also give examples of when not to use these good bacteria and demonstrate how they work to prevent dental disease in the mouth.

Learning Objectives:

- Define probiotics
- Discuss the history of probiotics
- Give examples of probiotic bacteria



Anne O. Rice, RDH, BS, FAAOSH, CDP *Healthy Mouth Healthy Mind*

Course Description:

Over 46 million people in the United States have Alzheimer's disease starting in their brains-silently. The disease begins as many as 20-30 years before symptoms of memory loss appear and opportunity abounds for prevention. Optimizing lifestyle is imperative and using multi-disciplinary approaches that include us-dental providers yields the best results. In this program attendees will learn evidence based, safe ways to not only live longer lives but better lives, encouraging a longer Brainspan. Focus will be spent on the relationship between periodontal pathogens and the herpes virus leading to a cascade of events related to cognitive decline. Taking care of our brains takes perseverance but the rewards can last a lifetime. How we live our lives today impacts our tomorrow's. You'll be challenged and revered for your role as a healthcare provider and clearly understand how your talents not only change patients' lives but may very well save them from one of the most tragic diseases we've ever known.

Learning Objectives:

- Understand Alzheimer's disease and its association with different etiologies and pathophysiological processes including the role of oral bacteria, yeast, and the herpes virus.
- Discover how heart health, hearing loss, genetics, insulin resistance, diet, exercise and sleep impact the risk for cognitive decline.
- Utilize current preventive strategies to reduce your own personal risk and then relate that information to your family, coworkers and patients.



Katrina M. Sanders, MEd, BSDH, RDH, RF *Man vs. Microbiota - The Evolution Story of the Human Microbiome*

Course Description:

This program is about a love story, two billion years in the making, between prokaryotic bacteria who began the process of human biology and disease in an impactful way. Over a spectrum of time, the human microbiota as we understand it has experienced an evolution developed from a myriad of influences. The result: an ever-changing imbalance of bacterial colonies primed for disease. Across infancy, youth, puberty, adulthood and senior life cycles, our bodies experience physiological changes that guide diversity shifts in our microbiota. What's more: these shifts can create either a balanced and healthy environment or an inviting landscape for imbalance leading to disorder, illness and disease. As the prevalence of oral disease continues to escalate, dentistry is called upon to study and better understand the delicate role of microflora imbalance on successful patient outcomes. Join periodontal hygienist Katrina M Sanders RDH, BSDH, M.Ed, RF as she explores the evolutionary process of the human microbiota, identifying the dramatic shifts in human physiology and societal trends that have deeply influenced the human microbiome as we understand it today. Discover how dental professionals have the ability to direct and modify the diversification and organization of the human microbiome to promote health and wellness once again. Man vs. microbiota: let the games begin!

Learning Objectives:

- Discover the unfolding of the human microbiota over two billion years, exploring the evolutionary lifespan of the human microbiome.
- Describe the biological functions influencing dysbiosis of the microbiome.
- Discuss case selection in integrating an immersive approach to balancing the oral microbiota.



Jodi Deming, RDH *Unleash the Master Clinician Within*

Course Description:

Science tells us that passion is contagious. Passion leads to mastery. This presentation is intended to inspire you with current science and technology. The future of Dental Hygiene is worth getting excited about. Literature tells us periodontal disease and oral inflammatory conditions have increased and continue to surge. Doing the same thing expecting a different result was Albert Einstein's definition of insanity. As a profession we must rise to the occasion recognizing the time to change is now. The abundance of research implicating the impact of oral inflammation on systemic conditions provides us an opportunity to influence the health and wellness of our patients. We will redesign the hygiene visit to exceed patient expectations and be rewarded by improved outcomes.

Learning Objectives:

- Entertain and educate: Ignite curiosity of each participant to embrace evidence based innovation
- Ability to describe biofilm/microbiome and it's role in oral medicine
- Demystify the new disease model Polymicrobial Synergy and Dysbiosis
- Convey to patients the role they have in biofilm control. Motivate/Educate. Seeing is believing.



Sherri M. Lukes, RDH, MS, FAADH *Medical History Front and Center – Oral Pathologies as Manifestations of Systemic Conditions*

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.



Dr. Thomas J. Kopic & Susan Wingrove, BS, RDH *Panel Discussion – When, Why, and How to Refer to a Periodontist*

Panel Description:

There are many misconceptions today regarding referral of a patient to a specialist. In this presentation, the panel will clarify when it is reasonable to treat and keep the patient in the general dentist's office. They will also review the process as to when it is appropriate to seek the advice a periodontist.

Learning Objectives:

- List the clinical findings that are key to arrive at a definitive diagnosis
- Review the important intraoral radiographic findings and cone beam images
- After determining an accurate diagnosis, describe etiology, and prognosis



AMED SPEAKERS



Dr. Jeffrey D. Krupp *Variation within the Practice of Endodontics*

Course Description:

The clinical practice of endodontics is filled with the daily challenge of managing variation. Differences present from the armamentarium we utilize to treat a case, through all clinical aspects of patient management, to the astounding unpredictability seen in the constant diversity of canal and pulpal anatomy. This presentation provides practical clinical insights to help manage the variation seen in the everyday practice of clinical conventional endodontics.

Learning Objectives:

- Be able to understand certain aspects of where variation can reside in the clinical practice of endodontics?
- Gather some useful tips for allowing better outcomes once variation has been recognized.
- Describe some useful dental technologies, allowing for more complete treatment of clinical endodontic variation.



Prof. Dr. Marco Aurélio de Carvalho *Adhesive and Restorative Optimization on Endodontically Treated Teeth*

Course Description:

Adhesive procedures have changed the way to restore endodontically treated teeth (ETT). Nevertheless, during the multiple clinical sessions necessary for root canal treatment and tooth restoration, clinicians end up removing sound dental tissues unnecessarily. The goal of this presentation is to present an alternative approach by performing dentin hybridization and biobase prior to root canal (re)treatment. Dentin bond strength optimization and fracture resistance improvement will be addressed. This technique is known as Immediate Pre-endo Dentin Sealing (IPDS).

Learning Objectives:

- To comprehend the reasons and steps of Immediate Pre-endo Dentin Sealing (IPDS) in teeth to be submitted to root canal (re)treatment.
- To address the effect of IPDS on the bond strength to dentin exposed to endodontic chemicals.
- To address the effect of IPDS with biobase on the fracture resistance of tooth undergoing root canal (re)treatment.



Dr. Tatsuya Hasegawa *A Novel Approach: Fluorescence Aided Root Canal Treatment*

Course Description:

The aim of this method is to implement a photodynamic diagnosis (PDD) based on a fluorescence live imaging for real-time identification of bacterial metabolites during a root canal treatment. The emission of red autofluorescence by protoporphyrin IX (PpIX) could be more clearly visualize remaining of bacterial infections during a root canal treatment. Here we will explain that Fluorescence Aided Root Canal Treatment (FARCT) is expected to remarkably improve the remaining risk of bacterial infections and refine the predictability of a root canal treatment.

Learning Objectives:

- Understand a principle of the PDD based on fluorescence live imaging
- Learn how to manage the bacterial infection utilizing DOM with a built-in fluorescence observation module
- Discuss the efficacy and capability of FARCT



Dr. Tadahiko Nakano *Macro & Micro Viewpoints in the Esthetic Dentistry*

Course Description:

In any Dental Treatment, First of all, We need from a Macro viewpoint, Examine & Diagnose. Then to clarify the problem from them and decide which field of treatment. And more, in order to maintain over the long term, Skills are required with the concept of Minimally Invasive. This applies not only Hard tissues, but also Soft tissues. This time, as a result of an Interdisciplinary Approach such as Orthodontic treatment, Periodontal plastic surgery, Prosthetic procedures, I will present a case which admits Esthetic & Functional improvements.

Learning Objectives:

- Learn To Examine And Diagnose From A Macro Viewpoint
- Better Understand The Minimally Invasive Concept
- Learn Long Term Maintenance Through Interdisciplinary Approach



Dr. Ed McLaren *Surface: THE FINAL TOUCH*

Course Description:

This presentation will cover the final touches of contour, texture, surface colorants, and polish that can take an average looking porcelain, or monolithic glass ceramic and will focus on the new generation glass ceramic, Zirconia Reinforced Lithium Silicate "Suprinity, and lastly techniques for monolithic Cubic Zirconia restoration and create an exceptionally esthetic result. These steps are critical to the success of dental restorations especially now since more monolithic restorations are becoming the norm. The lecture will also cover the esthetics of the individual tooth i.e. the individual form and color characteristics of teeth and the inter-relationships between teeth.

Learning Objectives:

- You will be able to better create an exceptional esthetic result.
- You will better understand monolithic restorations.
- You will learn about the color characteristics of teeth.



Dr. Sadaki Sakamoto *Defect Alveolar Ridge Augmentation*

Course Description:

If a tooth with severe damage is extracted, the alveolar ridge will be absorbed. If a bridge is made in such a state, it will result in an inappropriate pontic shape, which will cause problems in aesthetics and cleanliness, and will cause problems in terms of future availability. The same can be said for implants. We will explain the surgical method to improve the environment by transplanting connective tissue and restore the aesthetic and good prosthetic shape.

Learning Objectives

- Learn how to avoid problems with aesthetics and cleanliness.
- Better understand surgical methods using connective tissue.
- Better understand how to preserve the alveolar ridge during extraction.



Dr. Enrico Cassai *LECTURE: MicroEndodontics 2023*

Course Description:

It's now 2023. In the last 100 years, we've seen many changes in dentistry. Focusing on Endodontics, big progress has been made in the equipment & tools that we use, making therapies faster, easier & more predictable. If choosing the innovation that changed endodontics the most, I would pick the operating microscope because the more I see, the more I can do. Of course there is a med. to long learning curve, but the benefits are immediate and evident. The microscope improves the working posture, keeping the back in a straight position and diminishing the risk of developing skeletal problems over the years. The possibility of working in a magnified and illuminated field makes it possible to treat the tooth in a faster and more predictable way, and to treat complex cases. I would like to emphasize the clinical advantages of using the microscope, starting from diagnosis and going to the operative part such as: finding missed canals, removing fiber posts, treating perforations, filling apices, removing broken instruments from the canals & performing endodontic surgery.

Learning Objectives:

- Learn the main positions and ergonomics in Microscopic Endodontics
- Improve the skills with a microscope doing some exercises
- Learn to take advantage of the microscope to remove a fiber post from a canal in a safe way and how to obturate an open apex with MTA

HANDS-ON WORKSHOPS (additional cost)



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

\$895

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

Course Description:
 This course is under the direction of Thomas G. Wiedemann, MD, PhD, DDS, Clinical Associate Professor and full-time faculty at New York University, College of Dentistry, Department of Oral & Maxillofacial Surgery. Prof. Wiedemann's career consists of more than 25 years of surgical and educational experience in an academic setting and successfully operating a private practice providing the full spectrum of Oral & Maxillofacial Surgery and Implant Dentistry. He has special interests in dental emergency care, pain management, minimal invasive surgical strategies and techniques of the full scope of Oral & Maxillofacial Surgery. He has acquired extensive expertise in implant surgery with multiple implant systems since 1995. He is well versed in innovative concepts of alveolar ridge augmentation and reconstruction and soft tissue regeneration, CBCT guided- and piezo-surgery. He is the author of many publications, speaker in national and international conferences on oral surgery and implantology related topics and serves on the editorial board of several renowned and peer reviewed scientific journals.

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

Understanding Sutures and Flap Designs for General Dentists

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

\$395

Course Description:

Oral Surgery procedures are an integral part of everyday dental practice. General Dentists perform extractions, periodontal surgery and implant placements that often require specific suturing skills. However, some clinicians may experience challenges such as suture loosening, flap dehiscence, tearing, and the inability to stabilize flaps. Improper suturing can lead to complications and even treatment failures. Whether dentists have been practicing for years or a relatively short period of time mastering suturing and soft tissue management is an essential skill that will predictably improve the final post-surgical results. The goal of this hands-on course is to train general dentists in predictable and correct suturing techniques and flap designs. Attendees will learn about different types of suture material and needle configuration and indications for their use. The hands-on portion of the course will include lots of first-hand "over the shoulder" tips, tricks, and instructions. Participants will be confident with different suture types and experience the exercise of the most commonly used suturing techniques and flaps in dental practice. Doctors at any level who are interested in improving their suturing skills will be provided with practical information on how to suture properly and improve surgical treatment outcomes.

Learning Objectives:

- Comprehend predictable wound healing, suture mechanics and the importance of correct suturing.
- Select the proper 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



Dr. Juan Carlos Ortiz Hugues
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

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

\$395

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.



Dr. Enrico Cassai
SATURDAY 9/9 WORKSHOP:
Broken File Retrieval

\$395

SUNDAY 9/10 WORKSHOP:
Managing Calcified Canals

\$395

HOTEL



JW Marriott Phoenix Desert Ridge Resort & Spa

5350 East Marriott Drive, Phoenix, Arizona 85054

A transformative stay awaits at the newly revitalized AAA 4-Diamond JW Marriott® Phoenix Desert Ridge Resort & Spa. Immersed in the vibrant serenity of the Sonoran Desert, awe-inspiring vistas, customized service, state-of-the-art facilities and extraordinary amenities, a grand destination with a unique sense of place is revealed, connecting every element of luxury to nurture the spirit in a way no other resort can. Whether visiting Phoenix for an unforgettable family vacation, productivity-boosting business meeting, romantic getaway or special event, exceptional moments worth remembering await. Throughout your getaway, enjoy one of our three sparkling pools and the relaxing respite of a private cabana. Get in the game with 17 pickleball courts, two 18-hole golf courses designed by Arnold Palmer and Nick Faldo and an arcade. Enjoy a rejuvenating spa treatment at Revive. Satisfy your appetite at one of our six restaurants—including the temptations of celebrity chef Angelo Sosa at our newest culinary addition, Tia Carmen. And at the end of each day, relax in the comfort of your guest room or suite while enjoying the breathtaking view from your floor-to-ceiling windows of the mountains, golf course or resort pools.

To reserve a discounted room secure your reservation by 8/1/2023.
Passkey Link for Attendee: <https://book.passkey.com/go/wspattendee>



2023 "New Heights in Interdisciplinary Care"

Registration Application & Pricing

Personal Information

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

2023 ANNUAL MEETING REGISTRATION FEES

WSP/AMED/AzDHA MEMBERS:	<i>Early Bird: By May 19th</i>	<i>By August 31st</i>	<i>After Sept 1st</i>
Dentists	☐ \$545	☐ \$595	☐ \$695
F/T Faculty/Military	☐ \$445	☐ \$495	☐ \$545
★ Hygienists (AzDHA Members use code: AzDHA)	☐ \$299	☐ \$329	☐ \$349
Dental Assistants	☐ \$289	☐ \$329	☐ \$349
Students & Residents	☐ \$100	☐ \$100	☐ \$100

Refer to page 5 for Hands-On Course Pricing

WSP/AMED/AZDHA NON-MEMBERS:

Dentists	☐ \$645	☐ \$695	☐ \$745
F/T Faculty/Military	☐ \$495	☐ \$545	☐ \$595
Hygienists	☐ \$359	☐ \$389	☐ \$399
Dental Assistants	☐ \$359	☐ \$389	☐ \$399
Students & Residents	☐ \$125	☐ \$125	☐ \$150

Refer to page 5 for Hands-On Course Pricing

Total Amount Due: _____

*Registration fees Include: All General Session lectures, Light Breakfast and Lunch each day, two breaks each day and Ticket to the Foundation Reception on Saturday night.
 Course Registration Cancellations: The fee, less a \$35 per person processing charge, will be refunded if cancellation is made by 7/4/23. Cancellations made between
 7/4/2023 8/3/2023 will be charged \$100 cancellation fee. No refund will be made for cancellations after 8/8/2023. 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.

Payment Information

Full Name: _____ Signature: _____
 Credit Card #: _____ Exp. Date: _____ CW#: _____
 Billing Address: _____ City: _____ State: _____ Zip: _____
 Enclosed is a check for the amount of (or process our payment in the amount of) \$ _____

Complete and mail to: 15428 N. Nebraska Ave., Lutz, FL 33549 or fax to 813.422.7966