

IAOC

INTERNATIONAL ACADEMY OF  
CERAMIC IMPLANTOLOGY



# 10TH IAOCI WORLD CONGRESS

CERAMIC IMPLANTOLOGY:  
PAST, PRESENT AND FUTURE

August 19-22, 2021  
Paris Las Vegas  
Resort & Casino  
Las Vegas, Nevada

[www.iaoci.com](http://www.iaoci.com)



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Dear Friends, Colleagues and Members:

I would like first, to thank you for your continued support of the IAOCI even during this very unique and difficult year we've just completed. We are looking forward to 2021 and we all hope that it will be a better year. The IAOCI, from its inception 10 years ago, has been the worldwide leader in ceramic Implantology and we are proud to say that we continue to forge forward as we march toward our tenth anniversary congress. The academy started with three members including its founder and over the years pretty much single handedly brought metal free implantology to the forefront and contributed greatly to make it a relevant and fast growing alternative in implant dentistry.

In 2020 despite the challenges in lieu of our quarterly events, we organized and hosted the first ever virtual ceramic implant event which was very successful and well attended by members and followers across four continents and over 20 countries.

Our 10th Anniversary Congress will take place in Las Vegas, NV August 19-21, 2021. This is a slight alteration from our original date due to the Covid-19 pandemic. We feel this will offer a better chance for a fully attended event. As you know our membership and attendees come from all continents and for the past nine years we have showcased the world's foremost experts in ceramic implantology. Today the IAOCI World Congress is looked upon as the hallmark event in the world for any dentist seeking to learn about or get more information and training on ceramic implants.

The theme for this milestone event is *"Ceramic Implantology: Past, Present and Future"* and as we have in the past we will have programs that will promote and showcase innovative and forward-thinking ideas through workshops, lectures and symposia that enhance the understanding of and the rationale for ceramic implants.

As many of you are aware the majority of the patient demographic who are seeking ceramic implants tend to be very health and wellness oriented. Therefore they expect their dentist to be familiar with forward thinking and minimally invasive treatment modalities, but also understand and implement biological and holistic concepts in their practice of medicine and dentistry. In response to that, we will have for the first time a half day workshop focused on helping non-biological/holistic dentists understand better how to treat this rapidly growing demographic and be competent and confident at presentation and planning ceramic implants. *"Holistic Dentistry for the Non-holistic Dentist."*

I, and all the academy officers, look forward to being able to reconvene and reconnect in person in Las Vegas, August 19-21, 2021 at the Paris Hotel.

Warmest regards,

Dr. Sammy Noubissi  
President



Paris Las Vegas, 3655 Las Vegas Blvd. South, Las Vegas, NV 89109

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## COURSE DESCRIPTIONS



**Susan Wingrove, BS, RDH**

### **Long-Term Prevention of Peri-Implant Complications: Ceramic and Titanium Implants**

#### **Course Description:**

To prevent peri-implant complications, professional in-office assessment, maintenance, and home-care recommendations are vital. For long-term success clinicians need research-based protocols to detect early signs of implant complications, diagnose these complications to provide early intervention and be able to perform professional in-office maintenance. This course will follow the global healthy implant initiative for ceramic and titanium implants based on Susan's Clinical White Paper: Long-term prevention of peri-implant complications and textbook: Peri-Implant Therapy for the Dental Hygienist: Clinical Guide to Maintenance and Disease Complications.

#### **Learning Objectives:**

- Learn the current research for biofilm-focused protocols, tools, and treatments for long-term prevention of peri-implant disease.
- Detect; put into practice biofilm identification and a five-step protocol to assess and monitor dental implants.
- Diagnose; early intervention guidelines based on peri-implant soft and hard deficiencies
- Treatment; biofilm-focused maintenance for all forms of implant-borne restorations based on Scanning Electron Microscope testing on hand and ultrasonic instruments to use to debride titanium and ceramic implants
- Provide safe home-care recommendations for all forms of dental implants, their restorations/prostheses.

#### **Biography:**

Susan Wingrove is an International speaker, author, researcher, instrument designer, and 2016 Sunstar RDH Award of Distinction recipient. Susan is member of the American Dental Hygienist's Association, International Federation of Dental Hygienists, Oral-B Global Implant Board (P & G), and Western Society of Periodontology. Published author for multiple journal articles, Scientific Panel for ACP Clinical Practice Guidelines, as well as Implant Maintenance Textbook: Peri-Implant Therapy for the Dental Hygienist: Clinical Guide to Maintenance and Disease Complications. Resides in Missoula MT. Contact: sswinrdh@gmail.com / wingrovedynamics.com



**Rebekka Hueber, med. dent.**

### **Ceramic Implant Guided Augmentation Protocol**

#### **Course Description:**

Always a solution at hand – definite instructions for bone augmentation in conjunction with ceramic implants for every indication – this is what the Guided Augmentation Protocol offers down to the last detail. This lecture will provide you with insights into the BISS – Bone Implant Stabilization System, indications for umbrella screws, special procedures for external sinus lifts, the use of disc abutments, and different solutions incorporating platelet-rich-fibrine, membranes and bone graft substitutes in biological oral surgery.

#### **Learning Objectives:**

- Indication based biological augmentation techniques in conjunction with ceramic implants, umbrella screws and disc abutments
- Different augmentation techniques performing an external sinus lift
- The perfect combination of platelet-rich-fibrine, collagen membranes and bone graft substitutes according to the Guided Augmentation Protocol.

#### **Biography:**

Dr. Rebekka Hueber is an accredited specialist in biological dentistry and ceramic implantology at the Swiss Biohealth Clinic in Switzerland. She graduated from the dental program at the prestigious Ludwig-Maximilians-University, in Munich, Germany earning her specialization in dental oral surgery. Dr. Hueber is a well respected International lecturer, key opinion leader, and educator in the application of ceramic implants and biological dentistry and is an author of several articles and publications in recognized journals.



**Luis Bessa, DDS**

### **Full Digital Workflow with ZR Implants: Where We Are and Where Do We Go**

#### **Course Description:**

Full digital workflow is one of the cutting edge topics in implant dentistry. With the increased utilization of the zirconia implants it is demanding that new protocols appear. From documentation tools to design software and cam hardware, we have a wide range of options that should be criteria chosen. Although biology still is the foundation our treatments it should walk side by side with the technology in order to get faster, less invasive and more predictable treatment outcomes. During this lecture we will review the advantages of work with digital patient, and how we manage complex full mouth reconstructions integrating digital and aesthetics using ZR implants and bio-compatible restoration materials.

#### **Learning Objectives:**

- Understanding different software and how to get in the digital environment
- Guided surgery and prosthodontics with ceramic mono bloc implants
- Advantages of full digital workflow in complex cases

#### **Biography:**

Dr Luis Bessa has been working in his own practice in Porto, NORTH CLINIC, Portugal. As an Oral and MAX FAC surgeon and have a strong focus on minimal invasive ridge reconstruction with autologous tissues as well as high end aesthetic dentistry. He is strongly focused on a biological approach and in the use of Zirconium implants. *Sponsored by Bredent.*



**Holger Scholz, med. dent.**

### **16 Years of All-Ceramic Zirconia-Based Implants**

**A retrospective evaluation of the data from more than 5,000 ceramic implants inserted from 2006 to 2020 a look into the future with a new implant design**

#### **Course Description:**

In Germany from 1975 the so-called "Tübinger Implantat" made of high-purity sintered aluminum oxide was used. However, this ceramic did not have sufficient breaking and bending strength and long-term stability, so that the implants were withdrawn from the market. The newer generation of ceramic implants available from various companies from 2004 initially consisted of TZP (tetragonal zirconia polycrystal) or its variants and is still used today. Since 2007, another generation of ceramic implants with improved material properties made of ATZ (aluminum toughened zirconia) has also been available. In the Dental Clinic Constance, we only inserted ceramic implants from 2007 and now have the experience of more than 15 years and more than 5,000 ceramic implants. Based on this experience, the lecture gives a well-founded assessment of the possible indications for ceramic implants and the expected success rates. The lecture clarifies the currently established indications and gives an insight into the possibilities of metal-free implantology within the framework of biological dentistry. The experiences range from single tooth implants to complex implantological solutions and show the paradigm shift in implantology through the possibilities of biological dentistry.

#### **Learning Objectives:**

- The focus of implantology has evolved from a mechanistic to a biological thinking due to the possibilities that ceramics offer.
- Biological and digital dentistry are the appropriate answer to increasingly complex challenges in the field of tension between health and economic efficiency.
- The design of ceramic implants has changed based on 15 years of experience.

#### **Biography:**

Holger Scholtz is one of the most experienced dentists worldwide in the fields of metal-free implantology and biological dentistry. Head and owner of the Dental Clinic Constance, Germany, dental consultant at Swiss Mountain Clinic in Castaneda, Switzerland. Co-developer of ceramic implants, author and speaker for metal-free implantology and biological dentistry.



**Sofia Karapataki, DDS**

### **Peri-Implantitis and Zirconia Implants: Results After 5 Years of Clinical Performance**

#### **Course Description:**

Peri-implantitis is one of the most common complications with titanium and titanium alloy implants. The etiological factors of peri-implantitis are multiple and are now believed to be also related to the implant materials. This is one of the main reasons why many dentists have had to consider or turn to alternative materials for implantation such as zirconia. However, is zirconia completely immune to this complication? Different reasons that are referred to as causative factors for the occurrence of peri-implantitis in titanium implants are presented in comparison to zirconia implants. Findings and observations from clinical cases observed in two implant centers are presented and all the cases included in this presentation have been under at least 5 years of clinical performance in the oral environment and in a variety of clinical situations. All implants evaluated are a two-piece zirconia implant by Patent Ceramic Implants system which were restored with customizable and cementable glass fiber abutments.

#### **Learning Objectives:**

- Are zirconia implants free of Periimplantitis?
- Causative factors of Peri-implantitis in titanium implants in comparison to zirconia implants
- Clinical performance of zirconia implants after at least 5 years of function

#### **Biography:**

Dr. Sofia Karapataki, DDS graduated from the Athens School of Dentistry in 1989. Specialization in Periodontology. Implantology at the Institute for Postgraduate Dental Education Jonkoping, Sweden (4/23/1990-8/31/1993). In addition to the main specializations, she specialized in small Gnatheosurgery, Radiology, Physiology of the Crotaphognathic Structure, Implant Prosthetics, Peri-prosthetics and General Pathology. Master of Science, at Gothenburg Sweden in 2001, entitled "Healing following guide tissue regeneration after surgical removal of impacted teeth". Specialization in prosthetic restoration of facial implants in 2001 at Gothenburg, Sweden. Training at PRGF (plasma Rich Growth Factors) in 2011 at Vitoria Spain. Education in Aesthetics in 2012 in Munich, Germany. Training in zirconia implants in 2013 in Munich, Germany. Founding member of Leading Ladies in Dental in 2017. Ambassador for Greece of the non-profit organization for clean implants CleanImplant Foundation. Speaker on the following: Periimplantitis, Dental metal free, Intolerance – immune system involvement, Personalized patient approach, Zirconia implants, Metal-free materials.



**Daniel Gustavo Olmedo, DMD, PhD**

### **Biotribocorrosion of Titanium Dental Implants: Local and Systemic Tissue Effects**

#### **Course Description:**

Humans are exposed to different types of particles that can enter the body mainly by inhalation, ingestion or dermal absorption. In view of the widespread use of biomaterials in medicine, another potential source of body contamination with micro (MPs, >100nm) and/or nanoparticles (NPs, 1-100nm) is the surface of metallic biomedical devices. Titanium is widely used in the manufacture of dental and orthopedic implants due to its excellent biocompatibility. It is a highly reactive metal, and on exposure to air or fluids it rapidly develops a layer of titanium dioxide (TiO<sub>2</sub>), which passivates the metal. However, as a result of electrochemical corrosion processes, frictional wear, or a synergistic combination of both, ions/particles may be released from metal implants into the bioenvironment. The combined effect of mechanical, biochemical, and electrochemical factors is known as tribocorrosion. When this process occurs in a biological environment, it is referred to as biotribocorrosion. As a consequence of this phenomenon, the surface of a biomedical implant can be a potential source of release not only of MPs but also of NPs, into the biological milieu. Because NPs have a greater surface to volume ratio, they are biologically more reactive and potentially more harmful to human health. The chemically active metal ions/particles released from an implant surface, may bind to the surrounding tissues, but may also bind to proteins and be disseminated to distant organs in the vascular and lymphatic systems. Research in human samples conducted by our group has shown the presence of titanium particles in peri-implant tissue around failed human dental implants, in oral mucosa in contact with implant cover screws, in cells exfoliated from peri-implant oral mucosa around titanium dental implants, in reactive lesions in the peri-implant mucosa, and in infrequent pathologies in peri-implant tissues associated with titanium dental implants. In addition, our studies in experimental animal models demonstrated deposition of titanium MPs and NPs in target organs and the presence of a tissue response to these particle deposits. This presentation will address the local and systemic effects of biotribocorrosion of titanium, as shown by our studies in experimental animal and human tissues.

#### **Learning Objectives:**

- To know the general concepts pertaining to corrosion and tribocorrosion, and explain the risk of these processes occurring on the surface of a biomedical metallic implant, mainly titanium, placed in a biological milieu.
- To recognize the local and systemic effects of biotribocorrosion of titanium, mainly as shown by studies in experimental animals and human tissues.
- To evaluate the possible clinical implications of biotribocorrosion of titanium dental implants.

#### **Biography:**

Daniel Gustavo OLMEDO. DMD Doctor of Dental Medicine, National University of Córdoba, Argentina (1992); PhD in Dentistry, National University of Córdoba (2001); Specialist in Oral Pathology, University of Buenos Aires, Argentina (2009); Head Professor of the Oral Pathology Department, School of Dentistry, University of Buenos Aires (2017-); Researcher, Career of Scientific and Technological Researcher, National Council of Scientific and Technological Research, Argentina (2005-). Full Academician, National Academy of Dentistry, Argentina (2018-). Director of research grants from national funding agencies. Author of several full scientific papers published in international peer-reviewed indexed journals. Reviewer for a number of international journals.

## COURSE DESCRIPTIONS



### **Prof. Jérôme Chevalier, FRA** **Ceria-Stabilized Zirconia: A New Alternative in Dental Implantology**

#### **Course Description:**

40 years ago, Garvie and his Australian co-workers reported that the stress induced transformation of metastable tetragonal zirconia grains to the monoclinic symmetry could give rise to a powerful toughening mechanism. Their results even led them to consider zirconia systems as analogues of certain steels in terms of mechanical performances, while exhibiting a much superior corrosion resistance. This seminal paper generated extraordinary excitement in the ceramic community and led to a large variety of new applications. Transformation toughening is widely used in current zirconia materials, mostly in the form of yttria-stabilized systems (Y-TZP) and results in an increase in strength and toughness when compared to non-transformable ceramics such as alumina. However, it is evident that zirconia ceramics still fail at low strains with a much larger scatter in the strength values than metals and require statistical approaches to failure. Here we describe in details the mechanical behavior laws of newly developed ceria-doped zirconia composites exhibiting a high degree of stress-induced transformation. They display, i) significant amount of transformation-induced plasticity without damage, ii) very high flaw tolerance and iii) almost no dispersion in strength data. They potentially open new application avenues in situations where the advantages of ceramics were dampened by their brittle failure behavior. In particular, the consequences of such behavior for dental implants and additive-manufactured structures are highlighted. The biocompatibility and bone integration of this material is also discussed.

#### **Biography:**

Born in 1970, Jérôme Chevalier is currently full Professor at the National Institute of Applied Sciences, in Lyon (INSA-Lyon), France. After receiving his PhD in 1996 (Mechanical properties of biomedical grade zirconia), Jérôme Chevalier first became Ceramic Engineer in Saint-Gobain Group. In 1997, he joined the National Institute of Applied Sciences, in Villeurbanne and became full Professor in 2004. Jérôme Chevalier is mainly recognized for his work on ceramics for healthcare applications, especially on zirconia as a biomaterial and on the development of innovative glass-ceramics and calcium phosphate ceramics for bone substitute applications. His research interests are also related to the mechanical behaviour laws of ceramics under different forms. He has been involved in a large number of European projects and has coordinated recently the LONGLIFE project, dealing with ceramic implants. He shows a strong involvement in partnerships with European companies in the field of medical devices. He has published more than 200 papers, holds 10 patents and has been cited more than 10,000 times. Jérôme Chevalier has been member of the 'Institut Universitaire de France' (2010-2015) and recently awarded by the French CNRS with the 'Innovation Medal' (2015). Jérôme Chevalier is currently one of the editors of the Journal of the European Ceramic Society. He is fellow of the European Ceramic Society (2017) and member of the World Academy of Ceramics (2018).



### **Prof. Jaafar Mouhyi, DDS, PhD** **The Peri-Implantitis: What About Surface Contamination, Bad Manufacturing and Corrosion Risks**

#### **Course Description:**

Various methods have been applied for the treatment of peri-implantitis lesions. It was reported that the procedures used were effective in reducing the inflammatory lesion but re-osseointegration to the once contaminated implant surface was difficult or impossible to achieve. The aim of this lecture is to give some explanations to osseointegration phenomenon in general and to evaluate the critical level and kind of organic and inorganic contaminations taking part of the Peri-implantitis reaction, corrosion process and others chemical changes on supposed clean implant surfaces. All those complicated parameters will be explained by mean documents based on scanning electron microscopy (SEM), MEB-EDAX, X-ray induced photoelectron spectroscopy (XPS), Atomic Force Microscopy (AFM) and Proton Induced X-ray photoelectron spectroscopy (PIXE). These data will explain mysterious clinical situations and gave us some precious informations about the peri-implantitis high complexity when it comes to surface physico-chemical aspects either Titanium or Ceramic implant

#### **Learning Objectives:**

- How to define and classify periimplantitis lesions.
- Understand osseointegration phenomenon with regards to physico-chemical aspects of Titanium oxide surfaces
- Understand major changes of surface characteristics on contaminated Titanium in early and late implants failures.
- Description of an original and well documented protocol of peri-implantitis treatment developed and published by our research team

#### **Biography:**

Prof. Jaafar MOUHYI DDS, PhD, DDS, Free University of Brussels (ULB) 1990 & Master, Periodontology 1994; PhD, ULB (International Research collaboration, Göteborg University) 1999; Director, Casablanca Oral Rehabilitation Training & Education Center, Morocco; Head of the Biomaterials Research department, International University of Agadir (Universiapolis), Agadir Morocco. Faculty Member, Dental XP Implant Externship Program, New York University, NY; Counsellor, International Board member, President Elect of the Digital Dentistry Society DDS, Scientific Board member, Clean Implant Foundation, Germany; International Board Member of SENAME (South Europ, North African Middle East, Implantology and Modern dentistry Asso.) Editorial Board member, Reviewer, Clinical Implant Dentistry & Related Research, & African Dental Journal.



### **John B. Roberson, DMD, DNDBA, FACP, FICD, FICOI** **Pharma DMD+MEP - Pharmacology with Medical Emergency Preparedness**

#### **Course Description:**

Medical Emergencies happen in dental offices. They are not rare. Dentists and their staff must be ready, there can be no exception. The first 10 minutes are critical in a life-threatening emergency. This is an energetic, interactive lecture devoted to having dentists and their team ready on Monday. Every dentist and their team need to experience The L.I.F.E. Program.

#### **Learning Objectives:**

- What to do in the first 10 minutes of a medical emergency
- Recognize adverse reactions to drugs and implement appropriate interventions for those causing a medical emergency
- Understand and know the CORE 8 DRUGS and DOME 16 your office needs for medical emergencies
- Legal Ramifications of adverse events in dental offices
- Case Presentations involving various medical emergencies that occurred in dental offices

#### **Biography:**

John B. Roberson, D.M.D. is a native of Hattiesburg, MS. He obtained his dental doctorate at the University of Mississippi School of Dentistry. Dr. Roberson performed his residency in Oral & Maxillofacial surgery at the University of Cincinnati Medical Center. His training included dental/oral surgery, anesthesia, implants, corrective jaw surgery, facial trauma, reconstructive surgery, TMJ, oral medicine & pathology, cleft lip & palate surgery, facial cosmetic surgery and skin rejuvenation. He is a member of the American College of Oral & Maxillofacial Surgeons, International Congress of Oral Implantologists, and several other Dental Associations. He lectures and authors on the subject of medical emergency preparedness, sedation emergency preparedness and emergency drugs. He has authored a book, published over 100 articles on the subject, numerous online courses devoted to the subject. *Sponsored by AAFO.*



### **Judson B. Wall, DDS, FAGD, FAACP, AIAOMT** **HANDS-ON: Laser Augmentation of Zirconia Implant Placement**

#### **Course Description:**

The incidence of failed and failing titanium implants and root canal treated teeth is rising sharply. The connection between these oral crises and chronic degenerative conditions is coming to light. The Fotona Lightwalker laser has solutions for treating both peri-implantitis and failed root canals. Whether attempting to save failing titanium implants and root canal treated teeth, or cleaning the residue left behind after they are removed laser offers options. Dr. Wall will share what he uses to provide a consistent, reliable vehicle for treatment success.

#### **Learning Objectives:**

- Laser basics and Treatment indications
- Recent literature supporting Er:YAG and Nd:YAG laser use
- Case studies to highlight the benefits of Laser Augmentation

#### **Biography:**

Dr. Judson B. Wall has been helping patients to feel better for over fifteen years. He is a graduate of the University of Utah and received his Doctor of Dental Surgery from the West Virginia University School of Dentistry. He has an impressive list of accomplishments and credentials, including Accreditation by the International Academy of Oral Medicine and Toxicology, a Fellowship with the American Academy of Craniofacial Pain (July 2010), a Fellowship with the Academy of General Dentistry (June 2007) and an Associate Fellowship with the World Clinical Laser Institute (July 2005). He is internationally sought after as a lecturer, teaching and training about metal-free dentistry, zirconia implants, TMJ dysfunction and sleep appliance therapy. *Sponsored by Fotona.*



### **Dr. Dominik Nischwitz** **THE FOOD DESIGN CONCEPT – How to “Think in Nutrients” for Optimal Health and Recovery**

#### **Course Description:**

Biological Dentistry 2.0 - the overlap of functional medicine, health optimization and high-tech dentistry  
THE FOOD DESIGN CONCEPT - Duration: 4 hours

The objective of this course is to learn “how to think in nutrients for optimal health” and to apply them in an easy step by step protocol to boost the osseointegration of ceramic implants and general tissue growth (anabolism). You will learn how to design a nutritional regimen independent of the current dietary mindsets like vegan, paleo, keto or intermittent fasting. We will focus on macronutrient timing and micronutrient tuning. How to implement this in the daily lifestyle as convenient as possible by “KNOWING YOUR FOODS”. Which foods you should generally avoid and which foods to load up on to make sure that the body gets all the building blocks it needs to thrive and to really build bone and all the other tissues. How to build the perfect plate and how to choose the right foods when on the go. Last but not least: How to fine tune the food design with the right micronutrients. You will learn how to use the bone healing supreme protocol which contains various protein sources as well as vitamin D3 and all the other crucial cofactors like magnesium, vitamin K2, vitamin A, omega 3 fatty acids, proteolytic enzymes and various trace minerals in the right ratio. Applied functional medicine for optimal health and recovery.

#### **Learning Objectives:**

- Nutrition – How to time macronutrients
- Systemic approach to tissue regeneration
- The most important micronutrients/supplements

#### **Biography:**

Dr. Dominik Nischwitz is a Specialist in Biological Dentistry and Ceramic Implants, functional medicine practitioner, one of the world's leading biohackers and current Vice President of the ISMI - International Society of Metal-Free Implantology. With his father, Dr. Nischwitz co-founded DNA Health and Aesthetics Center for Biological Dentistry in Tübingen, Germany in 2015. Dr. Nischwitz has exclusively used ceramic implants since 2013, placing more than 3000 to date. A pioneer in the field of holistic dentistry, Dr. Nischwitz regularly gives lectures around the world and has recently published his first book “It's All In Your Mouth” at Chelsea Green. He trains traditional dentists in biological dentistry and believes that all health starts in the mouth.



### **Yuriy May, DMD, NMD, AIAOMT** **Full Digital Workflow for Zirconia Implants: In-Office Digital Planning, 3D Printing, Guides, Temporization, Final Prosthetic**

#### **Course Description:**

Over the last several years, in-office digital workflows have increased significantly for surgical guides, immediate temporization and final prosthetic design/fabrication. The progress has predominately been made and shared in titanium implantology with custom and/or multi-unit abutments for full arch/multi-unit cases but has eluded zirconia implantology at the in-office level for everyday practitioners. The constraints of zirconia implant abutment options for full arch and multi-implant cases have added complexity in using the novel digital in-office lab flows until now. A refined digital workflow essentially aims at simplifying clinical acts with greater predictability and speed, with clear benefit to the patient. A customized digital in-office workflow also allows the predictable utilization of once hard-to-master technologies such as zirconia one-piece implants for difficult cases such as those for full arch/multi-units. The presenter will discuss the benefits and techniques of a full-digital workflow for full arch/multi-unit zirconia implant reconstruction that drives surgical planning, procedures and restorative fabrication to guarantee natural esthetic outcomes. The author will discuss the decision points and guidelines for digital implant positioning and temporary 3D design with integrated in-office printing/milling for same day immediate temporization, as well as digitally planned final prosthetic restoration for full arch/multi-unit cases. Series of clinical cases series will be presented to the audience to illustrate the digital workflow in-office protocol, including scanning and printing/milling hardware, digital planning and designing software and material choices for temporization.

#### **Learning Objectives:**

- To show and understand the state of digital workflows and in-office 3D printing/milling
- Introduction and review of innovative zirconia implant digital workflows for complex cases
- Highlight the innovation and use of single day full arch immediate temporization with in-office digital workflows
- Understanding how and when to apply digital planning to surgical guides, temporary fabrication and final prosthetic planning
- To demonstrate the use of fully digital in-office workflows for complex, full mouth zirconia implant cases

#### **Biography:**

Dr. May received his dental degree from University of Connecticut School of Dental Medicine and completed GPR residency at Bronx Lebanon Hospital in New York City. After working in private practice for a number of years, Dr. May started his own practice focusing on full mouth reconstruction, oral implantology and metal free dentistry using the latest digital dentistry techniques and technology. Located in Connecticut, Dr. May has established a leading zirconia implant practice in the Northeast USA focusing on specialized full mouth metal-free reconstruction cases. He is an accredited member of the International Academy of Oral Medicine and Toxicology, a Founding Board member of the American Academy of Ceramic Implantology, a member of the International Academy of Ceramic Implantology board certified in Integrative Biologic Dental Medicine.



## COURSE DESCRIPTIONS



### Scott Schroeder, MD

#### *Metal Allergies/Reactions- Systemic Effects of Implanted Metal in the Body*

##### Course Description:

Dr. Schroeder is a Foot and Ankle surgeon who has been in practice for over 30 years. Over the past decade he has been involved in a study in which he has removed over 1,000 metallic implants in over 400 patients. He has seen significant debilitating effects from hardware that has been placed in the body with dramatic improvements after hardware removal. He presented to the FDA in the fall of 2019 on the systemic effects of metal allergies/reactions. He has presented around the world on this topic. Dr. Schroeder will present many case reports of reactions between the hardware placed in the foot and/or ankle and dental metals. One case of his resulted in a patient being paralyzed for up to 10 hours a day. This went on for four years until the metal was removed from the patient's feet and the white gold crowns with 26% palladium, which the patient was highly allergic to, were removed from the mouth. The paralysis resolved with removal of the metals both in the foot and the mouth. He is currently involved in a study in which he is measuring the "in vivo" galvanic reaction between metallic implants he is removing from the foot and/or ankle and the patient's dental metals. Significant consistent results are being observed with, again, some very significant life changing results after metal removal. Some of the initial findings were presented in a dental meeting in Rome in early 2020. He is working on publishing this data, while some of the findings will be presented here.

##### Biography:

Dr. Schroeder attended Washington State University for his pre-medical education, earning a bachelor's degree in biology. He attended the California College of Podiatric Medicine for his doctorate degree and was surgically trained in the San Francisco bay area region. He has been active in Washington state podiatric associations, serving in both local and national committees, including past president of the Washington State Podiatric Medical Association. Dr. Schroeder was awarded the Washington state Podiatrist of the Year award in 2005.



### Setareh Lavasani, DDS, MS, Dip. ABOMR

#### *How to Think Like a Radiologist and Improve Your 2D and 3D Diagnostic Skills*

##### Course Description:

This is an interactive and comprehensive review of essentials of radiographic interpretation. It focuses on the importance of developing an analytical strategy to systematically review different types of dental images. The importance of "pattern recognition" to differentiate inflammatory, benign, malignant, and fibrous lesions with clinical cases will be discussed. An overview of possible differential diagnosis for paranasal sinus opacifications beyond inflammatory conditions. Common and important head, and neck soft tissue calcifications and TMJ disorders with referral and follow up decision making parameters is provided. The importance of inter-professional communication in patient outcomes and selection criteria of different imaging modalities is also discussed.

##### Learning Objectives:

- Develop a step by step strategy to evaluate any radiographic study.
- Be able to correlate the radiographic appearance of different pathological processes with their associated pathophysiology.
- Identify key radiographic features associated with benign, fibro-osseous, and malignant pathologies.
- Paranasal sinus anatomy and pathology including acute and chronic sinusitis, bacterial sinusitis, etc).

##### Biography:

Dr. Lavasani is a Board certified Oral & Maxillofacial Radiologist. She is a full time Associate Professor and the Director of Oral Radiology & Advanced Imaging at Western University of Health Sciences, College of Dental Medicine in Pomona, California. She is an internationally recognized speaker and workshop provider on topics related to application and interpretation of CBCT and digital imaging. She is a frequent presenter at the California Dental Association, Harvard school of Dental Medicine, UCLA and UCSF School of Dentistry residency programs. She is a member of board of directors at the Global Dental Implant Academy and is a 2019 honoree of the exclusive group of Americas' best Dental specialists "40 under 40" published by Incisal Edge magazine. She is the co-author of multiple textbook chapters and journal articles.



### Prof. Heinz Kniha, Dr. med., Dr. med. dent.

#### *Rehabilitation with Monotype and Two Piece Straumann Full Ceramic Dental Implants in the Aesthetic Zone Using Intraoperative Scanning and Following Cad/Cam Procedures. A Retrospective Overview of 9 Years of Clinical Observation and Data*

##### Course Description:

Background: Based on the classic publication from Tarnow 1992, 40% of anterior teeth rehabilitations with dental implants turn out not to be sufficient or satisfactory. Using titanium implant bodies we have to be concerned with tissue recession and the greyish appearance of the implant shoulders. Metal shadow through the gingiva especially in thin mucosa types, loss of the papilla formation with unfavorable "black triangles" and anomalous lining of the gingiva margins are also of concern.

Aim: The revival of full ceramic dental implants made of Zirconium dioxide in the year 2005 the objectives were to be able to eliminate or at the very least avoid the occurrence of the facts mentioned above by having an inert white material without a connection gap problem as observed in the tissue level two piece design. In this presentation data obtained from 87 patients with 125 full ceramic monotype Straumann implants shall be presented retrospectively over a period of 9 years.

Materials and Method: A new measurement method was developed to obtain accurate data. A mixture of metallpowder with temporary cement serves as a marker for the papilla tip which can be recognized sharply in the single-tooth-radiograph. After calibration the distances of the biological width and the bony contact point at the implant to the papilla tip was measured. Clinically the distance from the papilla tip to the contact point of the crowns was visualized and accurately measured using an interdental ligature under tension. So the total distance from the bone contact at the implant to the contact point of the crowns was accurately measured. According to Tarnow the height of the papilla formation was measured in relation to the length of the clinical crown.

Results: The success rates appear to be above 96%. The analysis of the data shows very clearly there is no need to be concerned with tissue recession as it is frequently observed around titanium implants, but rather we can consistently observe an improvement and growth of the hard and soft tissues.

In the majority of cases, it was observed that over time there would be full interdental papilla formation with the absence or subsequent closure of the initial "black triangles". This was observed even when the distance from the bone contact to the interdental crown contact was above the critical distance of 5 mm described by Tarnow. There were no differences between immediate loading cases and classic two-stage treatment concepts. Only patients with existing compromised papilla levels maintained a more or less empty space between the crowns. However in all these cases the papilla available was enough to achieve very sufficient initial aesthetic result which continue to improve during the following years.

Conclusion: It became very obvious there is a new fascinating potential using these full ceramic monotype dental implants leading to a new much higher aesthetic results in the aesthetic zone. Following 3, 5 and 9 years long term studies reveal the stability of the results.

##### Biography:

Heinz Kniha was born in 1954 in Munich; 1965-1974 High School Rupprecht-Gymnasium in Munich; 1974-High School exam; 1974-1975 General Military service; 1975-1983-Studied Medicine and Dentistry at the University Erlangen and Hamburg; 1981- Dental Exam passed at the University Hamburg; 1982-Dental Doctor in the Field of Dentistry at the University Hamburg; "Histological and ultrastructural Cytodifferentiation of pleomorphic Adenomas of the Salivary Glands"; 1983-Medical Exam passed at the University of Hamburg; 1985-Medical Doctor in the Field of Medicine at the University of Hamburg; "Histological and ultrastructural Investigations of monomorphic Salivary Gland tumors"; 1983-1985-Residency at the Clinic of Oral and Maxillofacial Surgery at the University Munich (Chief Prof. Dr. Dr. D. Schlegel); 1986-Investigation program: Allogenic Transplantations in Animal Models for plastic u. reconstructive Surgery under regard of microsurgical tissue transfer techniques at the University of California, Irvine, USA, Dep. for Plastic and Reconstructive Surgery Prof. Dr. D. W. Furnas; 1987-1988-Residency at the Clinic of Oral and Maxillofacial Surgery University Munich Prof. Dr. Dr. D. Schlegel; Since 1988- Oral and Maxillofacial Surgeon; 1989-Lectured at the University Munich Habilitation thesis: The allogenic Transplantation of microvascular reanastomosed big combined tissue units in animal models under immunosuppression with Cyclosporin A; Since 1996 -Faculty member at the University of Munich teaching in Implantology and Oral and Maxillofacial Surgery; Since 2005-Professor at the University of Munich; Since 2007-Member of the International Colleges of Dentists (ICD); Since 1989-in Private Clinic as Oral and Maxillofacial surgeon in Munich; Since 1993-Member of the International Team of Implantology (Center Waldenburg, Switzerland). Main fields in our clinic are implantology and periodontal rehabilitations. Munich, 2020 -Prof. Dr. Dr. Heinz Kniha.



### Priv.-Doz. Kristian Kniha, Dr. med. dent.

#### *Effect of Experimental Plaque Accumulation on the Soft Tissue around Titanium and Zirconia Implants in Comparison to Natural Teeth*

##### Course Description:

Aim: To monitor inflammation parameters around zirconia and titanium implants in comparison to the natural teeth during the development of experimental gingivitis/mucositis.

Methods: After 28 days of perfect oral hygiene 16 clinically profiled patients were asked to refrain oral hygiene for 14 days resulting in an experimental plaque accumulation, following 28 days with optimal plaque control. After collecting crevicular fluid samples at weeks 4, 5, 6, 7, 8, 9 and 10 around teeth and implants (zirconia and titanium) clinical, immunological and microbiological parameters were assessed. Immunological samples were analyzed for Tumor necrosis factor alpha (TNF alpha) and Interleukin-1β (IL-1β). Microbial samples were analyzed for Total bacterial cell number (TBCN) together with cell counts of bacterial species indicative for dysbiosis (Tannerella forsythia and Prevotella intermedia), applying quantitative real time PCR. Results: A connection was confirmed between biofilm formation and soft tissue inflammation with a following recovery to baseline values. Compared with those of the zirconia and titanium implants, the TNF alpha and IL-1β values of the tooth showed a significant increase after reinstitution of oral hygiene. Around the tooth the lowest mean value of TBCN was measured, followed by zirconia implants and the highest numbers were found around titanium implants. In Tannerella forsythia positive samples, a significant lower count number around zirconium was measured compared to titanium. Prevotella intermedia sample showed a significant difference between groups (titanium vs. tooth).

Conclusions: Peri-implant soft tissues around zirconia implants developed a lower inflammatory response to experimental plaque accumulation when compared to titanium implants in terms of TBCN, Tannerella forsythia and Prevotella intermedia.

##### Learning Objectives:

- Experimental reversible mucositis
- Zirconia
- Host response
- Plaque accumulation
- Dental implant

##### Biography:

Priv.-Doz. Dr. med. dent. Kristian Kniha started his residency for oral surgery in 2015 in the Department of Oral and Maxillofacial Surgery University Hospital of RWTH Aachen (Head & Chairman Frank Hölzle, M.D., D.M.D., Ph.D., FEBOMF). In 2018 he was nominated to oral surgeon by the Zahnärztekammer Nordrhein. Additionally, in 2019 he received the Habilitation and Venia Legendi in oral surgery about the topic, "Clinical use of zirconium dioxide implants for dental rehabilitation" from the University Hospital of RWTH Aachen, Germany. Since 2021, he is working in the private clinic for oral and maxillofacial surgery, Kniha, Schlegel and colleagues in Munich, Germany.



### Dr. Paresh Patel, DDS

#### *HANDS-ON: ZERAMEX Zirconia Implants: Ceramic Dental Implant Workshop*

##### Course Description:

The naturally white aesthetic choice for a biologically friendly replacement of missing teeth. Join us for a half day hands-on workshop where Dr. Paresh Patel will share his perspective on the aesthetic advantages of Zirconia in the anterior region. Learn why the innovations in Zirconia implants are an essential benefit to the ever evolving client demand!

The future is Now – Don't be left behind!

##### Learning Objectives:

- Why Zirconia Implants are perfect for Esthetic Implant Practice
- The Biological side of having Zirconia Dental Implants
- The Research behind Zirconia Implants
- Limitations of Zirconia Implants
- Negative Effects of Titanium Implants

##### Biography:

Dr. Paresh Patel is a graduate of the University of North Carolina at Chapel Hill School of Dentistry and the Medical College of Georgia/AAID MaxCourse. He is a fellow of the Misch International Implant Institute and a diplomate of the ICOT. Dr. Patel has placed more than 5,000 implants, has published numerous articles in leading dental journals, and has worked as a lecturer and clinical consultant on dental implants and prosthetics for several companies. He maintains private practices in Lenoir and Mooresville, North Carolina.

## COURSE DESCRIPTIONS



**Richard J. Miron, DDS, MSc, PhD**

**LECTURE: Understanding Platelet Rich Fibrin: From Biological Background to Clinical Indications**

### Course Description:

The use of platelet concentrates has had a long-history of use in various fields of medicine as an autologous source of growth factors fabricated utilizing centrifugation of blood under various conditions. While platelet rich plasma (PRP) was proposed as a first-generation platelet concentrate over 3 decades ago, over the past 10 years, platelet rich fibrin (PRF) has seen a steady increase in utilization for a variety of medical procedures due to its lack of anti-coagulation factors favoring fibrin clot formation and faster wound healing. More recently, the development of a liquid PRF provides a new formulation of liquid PRF without using anti-coagulation factors that may specifically be combined with currently available bone biomaterials favoring particle stability, angiogenesis and tissue integration. This talk aims to highlight the recent advancements made with respect to the newest formulations of platelet concentrates including recent developments in horizontal centrifugation and liquid concentrated-PRF to further speed wound healing and tissue regeneration for various clinical indications faced in routine daily dental practice.

### Learning Objectives:

- Provide the biological background and scientific rationale for why platelet concentrates speed wound healing
- Introduce new protocols using horizontal centrifugation
- Provide clinical indications when, where and why to use PRF (membranes and liquid) in regenerative dentistry and facial esthetics

### HANDS-ON: New Trends in PRF Therapy

### Course Description:

This hands-on course will cover all the new advancements made with respect to the newest formulations of platelet concentrates. These will cover how to make custom-shaped PRF grafts, how to better concentrate liquid-PRF and will provide a better understanding for optimization of the protocols utilized in every day dental practice. Thereafter, the Bio-Heat technology will be presented. This will cover the heating steps necessary to extend the working properties of PRF from a fast-resorbing 2-3 week membrane towards a membrane that lasts 4-6 months. Various protocols will be demonstrated whereby clinicians will learn how to make an extended-PRF membrane that lasts 4-6 months, as well as how to make a novel sticky bone that contains an outer e-PRF membrane that may be utilized for ridge augmentation procedures.

### Learning Objectives:

- Optimization of protocols for any centrifugation device
- Update on Bio-Heat technology and the ability to extend the working properties of PRF from 2-3 weeks to 4-6 months
- Improve cell and growth factor release using concentrated-PRF (C-PRF) protocols when compared to traditional injectable-PRF (i-PRF) on any centrifugation device
- Launch of the Bio-Cool technology
- Importance of PRF tubes for the fabrication of PRF
- Coupon code for Free access to an online 8CE program at [www.prf-edu.com](http://www.prf-edu.com)

### Biography:

Dr. Richard Miron is currently lead educator and researcher at Advanced PRF Education and an Adjunct Visiting Faculty in the department of Periodontology in Bern, Switzerland where he completed his PhD studies since 2009. He has currently published over 200 peer-reviewed articles and lectures internationally on many topics relating to growth factors, bone biomaterials and guided bone regeneration. For the past 3 years, Dr. Miron has been recognized by Dentistry Today as being one of the top 100 CE providers in the country and the youngest to ever make the list. He is also the top ranked researcher on Platelet-Rich Fibrin therapy as per Expertscape independent review. He has recently been awarded many recent international prizes in dentistry and is widely considered as one of the top contributors to implant dentistry having won the ITI Andre Schroeder Prize, the IADR Young Investigator of the Year in the field of Implant Dentistry as well as the IADR Socransky Research award in the field of Periodontology (2020). He has written 5 textbooks widely distributed in regenerative dentistry including his best-seller in 2019 titled: "Next Generation Biomaterials for Bone and Periodontal Regeneration". *Sponsored by Bio-PRF.*



**Leonard F. Tau, DMD, PC**

**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
- See why your practice may not be ranking as high as it could be
- Discuss ways in which patient reviews can manifest online
- Develop strategies for garnering positive patient reviews
- Review team training tips for garnering positive feedback

### Biography:

After purchasing his practice the Pennsylvania Center for Dental Excellence in Philadelphia in 2007, Dr. Leonard Tau solely used the power of the internet to help grow his new patient base and went against the traditional way of marketing one's dental office. He lectures nationally and internationally on internet marketing, social media and reputation marketing and its ability to make your dental office more visible and credible. He is also the General Manager of the Dental Division for Birdeye, a reputation marketing platform and founder of iSocial Digital, a consulting firm that helps dentists develop a comprehensive online marketing plan. His content rich, engaging seminars allow him to bring his first hand experiences to his audiences. *Sponsored by Birdeye.*



**Art McOmber**

**Successful Business Structures: The Keys to Protecting Your Assets, Estate, and Income**

### Course Description:

Learn how to protect your business and personal assets from litigation during this in-depth discussion on proper entity structuring, tax reduction and Medical License Protection. More and more lawsuits are exceeding the limits and caps of most insurance policies; it is more important than ever to use the proper legal structure to protect your Practice. Your Medical License is the most important asset you own, learn how to protect it forever. Invest in anything Tax-Free using The Investment Grade Insurance Contract, and ultimately gain the freedom to run your Practice without worrying about protecting your hard-earned income from legal predators at this session.

### Learning Objectives:

At the end of this course, the attendee will have learned:

- How the financially independent like Warren Buffett set themselves apart using Tax Strategies.
- The proper legal structure for your business to maximize income tax reduction, The LLLP
- The importance of Using the IGIC to virtually Invest in anything Tax-Free.
- How to avoid probate and leave a tax-free estate
- How to eliminate losses from lawsuits not covered by insurance.
- How to protect your Dental License from reports to the NPDB and State Boards and ultimately stop sanctions on your Dental license

### Biography:

As a young man Art spent two years living and working in Southern Germany where he became fluent in the language. He attended Brigham Young University where he graduated with a BA in German Studies/Education and a year later the Federal Bureau of Investigation sought him out for his German language skills. After graduating New Agent Training at Quantico, VA, Special Agent McOmber was assigned to the San Diego Division where he investigated, arrested and successfully prosecuted bank robbers, kidnappers, counter espionage agents, counter terrorists, and major drug traffickers. Following his FBI career, Art has owned and operated several companies where he learned the importance of protecting both his corporate and personal assets from a lawsuit crazed society and a broken tort system. For the last 8 years, Art has shared his expertise in the world of Asset Protection, Over-taxation Protection, and Wealth Creation with thousands of business professionals and medical professionals around the country. Art has been married to Barbara for 32 years and they have 4 wonderful kids, a grand-daughter, and a grandson on the way. *Fortune Firm - Financial*



**Prof. Dr. Marcel Wainwright**

**LECTURE: Attracting New Patients with Zirconia Implant Technology – Marketing & Communication Approach for Consistent Success**  
**HANDS-ON: The Wainwright Method for Biological Treatment Success**

### Course Description:

In this 4 hour exclusive lecture Marcel will talk about his experience, failures and how to avoid or correct them based on long term clinical experience with ceramic implantology. Besides the science which propels his topics, his primary goal is the clinical application of his knowledge for reliable (or exceptional, or successful) treatment outcomes, whilst generating a dynamic exchange of knowledge with colleagues.

**Latest studies on surfaces of Zirconia implants and why this is so important for a fast and secure healing period and osseointegration.**

**Osseointegration + Periointegration: how can we achieve full BioIntegration?**

**Do's and Don'ts in ceramic implantology**

- What are the differences between various Zirconia Implants?
- What should be the pre-conditioning of the patient?
- Prosthetic options, what works well and what should be paid attention to.
- Keynote roles of vitamins and other co-factors that affect surgical success.

### Learning Objectives:

**Why atraumatic surgery is paramount for a long term success of dental implant**

In this feature he will highlight:

- Atraumatic ultrasonic based extraction
- Minimally invasive sinus grafting procedures like the Intralift
- Bone grafting protocols along with soft tissue manipulation surgically
- The use of adjunctive tools like Hyaluronic Acid and L-PRF.

### Biography:

Born: 1969 in Germany, Lendersdorf, Nationality: German/Haitian, Studied at Dental School RWTH University of Aachen, received Doctor's degree 1996, 1997-2016 Several Private Practices in Germany and Sweden (Stockholm), Certified Implantologist, 2008 Member of German Dental Olympic Team 2008 in Beijing (China), 2012 London Since 2018, Consulting Dentist/ Surgeon in Luxembourg (Integra), Switzerland and Frankfurt, Senior Surgeon at Integra Medical Luxembourg, Since 2009 Visiting Professor for Ultrasonic Surgery & Implantology at State University of Seville (Spain), Dep. Oral Surgery, Since 2020 German Ambassador of European Assoc. for Ceramic Implants. (EACim), Certified Implantologist (DGI), Member of numerous societies, Vice President of International Academy for Ultrasonic Surgery and Implantology, German President of the Dermal International Filler and Neurotoxin Education, Co-Inventor of the Intralif Ultrasonic based minimal invasive crestal sinus lift procedure and numerous ultrasonic surgical tips for Acteon; Co-Inventor of the GumLift Technique (Recession Covering) Keynote Speaker for various companies and worldwide lecturer, Guest Professor at several Universities (Leuven (B), China (Guangzhou, Dalian), Thailand (Mahidol), US (UNC). Over 70 publications and scientific papers, worldwide conducted courses/lectures with more than 3000 dentists trained. Main Topics: - Ultrasonic Surgery, Ceramic Implants, Biological Dentistry, Intraoral application of crosslinked Hyaluronic Acid, Cosmetic Dentistry and Facial Aesthetics



## PROGRAM SCHEDULE

### THURSDAY, AUGUST 19

#### HANDS-ON-WORKSHOPS

8:00am-11:00am	Judson Wall	<i>HANDS-ON: Laser Augmentation of Zirconia Implant Placement</i>
11:00am-2:00pm	Marcel Wainwright	<i>HANDS-ON: The Wainwright Method for Biological Treatment Success</i>

2:30pm-6:30pm	Scott Shroeder Dr. Dominik Nischwitz Judson Wall	<i>Holistic Dentistry for the Non-Holistic Dentist</i> <i>Metal Allergies/Reactions- Systemic Effects of Implanted Metal in the Body</i> <i>THE FOOD DESIGN CONCEPT – How to “Think in Nutrients” for Optimal Health and Recovery</i> <i>Nutrition, Digestion and Ceramic Implants</i>
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#### WELCOME RECEPTION

### FRIDAY, AUGUST 20

#### GENERAL SESSION

8:00am-9:00am	Sofia Karapataki	<i>Peri-Implantitis and Zirconia Implants: Results After 5 Years of Clinical Performance</i>
9:00am-10:00am	Art McOmber	<i>Successful Business Structures: The Keys to Protecting Your Assets, Estate, and Income</i>
10:00am-10:30am	Break	
10:30am-11:30am	Marcel Wainwright	<i>Attracting New Patients with Zirconia Implant Technology – Marketing &amp; Communication Approach for Consistent Success</i>
11:30am - 12:30pm	Jérôme Chevalier	<i>Ceria-Stabilized Zirconia: A New Alternative in Dental Implantology</i>
12:30pm-1:30pm	Lunch	
1:30pm - 2:30pm	Len Tau	<i>Raving Patients: Get Visible, Get Credible : Get More New Patients</i>
2:35pm- 3:35pm	Susan Wingrove	<i>Long-Term Prevention of Peri-Implant Complications: Ceramic and Titanium Implants</i>
3:35pm - 4:00pm	Break	
4:00pm-5:00pm	Heinz Kniha / Kristian Kniha	<i>Ceramic Implants of Straumann PURE Ceramic Line</i>
5:00pm-6:00pm	Yuriy May	<i>Full Digital Workflow for Zirconia Implants: In-Office Digital Planning, 3D Printing, Guides, Temporization, Final Prosthetic</i>

### SATURDAY, AUGUST 21

#### GENERAL SESSION

8:00am-9:00am	Rebekka Hueber	<i>Ceramic Implant Guided Augmentation Protocol</i>
9:00am-10:00am	Rick Miron	<i>Understanding Platelet Rich Fibrin: From Biological Background to Clinical Indications</i>
10:00am-10:30am	Break	
10:30am-12:30pm	John Roberson	<i>Pharma DMD+MEP - Pharmacology with Medical Emergency Preparedness</i>
12:30pm - 1:30pm	Lunch	
1:30pm - 2:30pm	Daniel Olmedo	<i>Biotribocorrosion of Titanium Dental Implants: Local and Systemic Tissue Effects</i>
2:30pm - 3:30pm	Jaafar Mouhyi	<i>The Peri-Implantitis : What About Surface Contamination, Bad Manufacturing and Corrosion Risks</i>
3:30pm-4:00pm	Break	
4:00pm-5:00pm	Luis Besa	<i>Full Digital Workflow with ZR Implants: Where We Are and Where Do We Go</i>
5:00pm-6:00pm	Setareh Lavasani	<i>How to Think Like a Radiologist and Improve Your 2D and 3D Diagnostic Skills</i>

#### CLOSING PARTY

### SUNDAY, AUGUST 22

#### HANDS-ON

8:30am-12:30pm	Paresh Patel	<i>HANDS-ON: ZERAMEX Zirconia Implants: Ceramic Dental Implant - 1/2 Day Workshop</i>
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## IAOCI | 10TH WORLD CONGRESS | AUG 19-22, 2021

**Attendee Information:**

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

**2021 REGISTRATION FEES****10th IAOCI World Congress 2021 – Regular Registration Pricing: (June 24, 2021 - Aug 12, 2021)**

Member	Non-Member Dentist	Dental Auxiliary Personnel	Laboratory Technicians	Dental Students/Residents
<input type="checkbox"/> \$795.00	<input type="checkbox"/> \$895.00	<input type="checkbox"/> \$495.00	<input type="checkbox"/> \$695.00	<input type="checkbox"/> \$395.00
<b>Hands-On: Laser Augmentation of Zirconia Implant Placement (Wall)</b>				
<input type="checkbox"/> \$425.00	<input type="checkbox"/> \$425.00	<input type="checkbox"/> \$425.00	<input type="checkbox"/> \$425.00	<input type="checkbox"/> \$425.00
<b>Hands-On: ZERAMEX Zirconia Implants: Ceramic Dental Implant Half-Day Workshop - Sunday, Aug. 22nd (Patel)</b>				
<input type="checkbox"/> \$397.00	<input type="checkbox"/> \$447.00	<input type="checkbox"/> \$247.00	<input type="checkbox"/> \$347.00	<input type="checkbox"/> \$197.00
<b>Swiss Dental Solutions Pre-Con</b>				
<input type="checkbox"/> \$595.00	<input type="checkbox"/> \$595.00	<input type="checkbox"/> \$195.00	<input type="checkbox"/> \$495.00	<input type="checkbox"/> \$295.00
<b>Swiss Dental Pre-Con + IAOCI 10th World Congress</b>				
<input type="checkbox"/> \$1190.00	<input type="checkbox"/> \$1290.00	<input type="checkbox"/> \$590.00	<input type="checkbox"/> \$1090.00	<input type="checkbox"/> \$690.00
<b>Friday Only</b>				
<input type="checkbox"/> \$397.00	<input type="checkbox"/> \$447.00	<input type="checkbox"/> \$247.00	<input type="checkbox"/> \$347.00	<input type="checkbox"/> \$197.00
<b>Saturday Only</b>				
<input type="checkbox"/> \$397.00	<input type="checkbox"/> \$447.00	<input type="checkbox"/> \$247.00	<input type="checkbox"/> \$347.00	<input type="checkbox"/> \$197.00
<b>Virtual Pricing</b>				
	<b>Members</b>	<b>Non-Members</b>		
	<input type="checkbox"/> \$249.00	<input type="checkbox"/> \$299.00		

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