

International Academy  
of Ceramic Implantology  
**WINTER CONGRESS**

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**MIAMI**  
JANUARY 24 AND 25, 2014



**IAOC** 

INTERNATIONAL ACADEMY OF  
**CERAMIC IMPLANTOLOGY**



**Don't miss the International Academy of Ceramic Implantology Winter Congress – "Metal Free Implantology," January 24 and 25, 2014, at the Crown Plaza Hotel Hollywood Beach, Hollywood, Florida.**

- International Symposium
- Surgical Challenges and Techniques with One-piece Zirconia Implants
- Restorative Materials for Zirconia Implants
- Innovative Surgical Protocols
- Osseointegration of Zirconia versus Titanium Implants
- Assessing Zirconia Implant Integration Non-invasively
- Bacteriology Around Zirconia Implants versus Titanium Implants
- Innovations in Ceramic Implantology: Two-piece Zirconia Implants
- Limited Attendance Lectures
- Zirconia as a Dental Implant Material
- Immunology: Hypersensitivity to Dental and Orthopedic Metal Implants
- Ceramic Restorative Materials and Options for Zirconia Implants
- Treatment Planning
- Nutrition and Bone Healing
- Social Events
- Commercial Exhibits
- Implementing and Marketing Ceramic Implants ... and more

## MAIN PODIUM SPEAKERS



**Dr. Stephen Evans**

General Practitioner  
Private Practice  
Bullard Texas



**Dr. Sammy Noubissi**

Private Practice Limited to Oral Implantology  
Silver Spring, Maryland  
Adjunct Professor of Dental Implantology,  
Wichita State University



**Dr. Dan Hagi**

Private Practice Specializing in  
Metal Free Oral Rehabilitation  
Thornhill, Ontario



**Dr. Josep Oliva**

Periodontist, Private Practice, Professor  
of Periodontics and Implantology  
University of Barcelona School of Dental  
Medicine, Granollers, Spain



**Dr. Noriaki Honma**

Oral and Maxillofacial Surgeon  
Private Practice  
Tokyo, Japan



**Dr. Xavi Oliva**

General Practitioner and  
Orthodontics, Private Practice  
CeraRoot Zirconia Implant,  
Granollers, Spain



**Dr. Ralf Luettmann**

Private Practice Limited  
to Metal Free Dentistry  
Hamburg, Germany



**Dr. Elisabeth Valentine-Thon, PhD**

Researcher, Metal sensitivity  
& Titanium allergy testing expert, Health  
Diagnostics and Research Institute,  
New Jersey, USA



**Dr. Andrea Mombelli**

Periodontist, Professor and  
Chair University of Geneva  
School of Dental Medicine  
Geneva, Switzerland



**Dr. Judson Wall**

General Practitioner,  
Private Practice  
Bountiful, Utah

## BREAKOUT SESSIONS



**Mr. Taylor Hunter**

Aurum Ceramics  
Dental  
Laboratory  
Las Vegas, Nevada



**Mr. Jared Young**

Dental Marketing  
Expert and Private  
Practice Owner  
Bend, Oregon

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of Ceramic Implantology  
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FRIDAY, JANUARY 24

8:00 am to 12:00 pm →



**Dr. Elisabeth Valentine-Thon, PhD**  
**Topic: Hypersensitivity to Dental and Orthopedic Implants – Diagnostic Options and Clinical Relevance.**

*Health Diagnostics and Research Institute, New Jersey, Metal sensitivity & Titanium allergy testing expert*

**BIO:** Elisabeth Valentine-Thon, PhD, is the General Manager of Health Diagnostics and Research Institute in New Jersey. Her research work has spanned the fields of immunology, virology, molecular biology, environmental medicine, and infectious disease diagnostics in both Europe and the USA, with a current focus on Lyme disease and clinically-relevant metal allergy. She is a member of EUROPAEM, AAEM, ASM, and ILADS. She has published over 60 peer-reviewed scientific articles.

**ABSTRACT:** All implanted metals corrode when in contact with biological fluids, releasing metal ions into the peri-implant tissue and thereby stimulating the immune system to trigger toxic, inflammatory, or allergic reactions with both local and systemic manifestations. Hypersensitivity to such metals, including Ni, Cr, Co, Hg, Au, Pd, and Ti, has been implicated in eczema, dermatitis, joint pain, joint loosening and implant failure, burning mouth syndrome, in-stent restenosis, CFS, fibromyalgia, multiple sclerosis, yellow-nail syndrome, and other immune dysfunctions. While the gold standard for metal allergy testing is patch testing, the in vitro lymphocyte transformation test (LTT), which detects metal-specific memory T cells in peripheral blood, is proving to be a clinically-relevant alternative. Testing patients prior to or post-implantation can identify high-risk patients, aid in the selection of an optimally compatible implant material, and facilitate effective treatment, i.e. removal or replacement of the offending metal. This presentation will review the problem of metal allergy in dental and orthopedic implantology and demonstrate the beneficial effect of this approach.

**LEARNING OBJECTIVES:**

- To understand the basic mechanism of a metal allergy
- To recognize the role of metal allergy in the etiology of certain diseases and morbidities
- To become aware of the risk for patients receiving metal implants to develop an immunological hypersensitivity to the implant components (metals)
- To appreciate the difference between in vivo patch testing and in vitro memory T cell-based assays for detecting metal allergies
- To learn how to screen patients for a possible metal allergy prior to implantation as well as post-implantation in affected individuals
- To improve patient management due to all of the above.



**Dr. Andrea Mombelli**  
**Topic: Two-piece Zirconia Implants Supporting All-ceramic Crowns. Rationale, Procedures and Results from a Prospective Clinical Trial.**

*University of Geneva, School of Dental Medicine Professor and Chair, Division of Oral Physiopathology and Periodontology*

**BIO:** Andrea Mombelli is Professor and Chair, Division of Periodontology and Oral Physiopathology and director of the post-graduate program in periodontology at the University of Geneva, Switzerland. He was president of the Dental Section of the Faculty of Medicine at the University of Geneva (2001-2005) and associate vice-dean of the Faculty of Medicine (2005-2011), and is former president of the Swiss Society of Periodontology (1992-1996 and 2004-2008). He and his colleagues have been pioneers in studies on the diagnosis, etiology and therapy of peri-implantitis. Currently they are involved in clinical trials evaluating new antimicrobial protocols to optimize the treatment of periodontal and peri-implant infections.

**ABSTRACT:** Zirconia ceramics have been proposed as an alternative to titanium implant material. The availability of a non-metal alternative with similar or better properties may be advantageous for biologic, esthetic and prosthodontic reasons. Cell culture and animal studies have shown favorable biological reactions to zirconia and have proven that osseointegration can be achieved. So far the clinical documentation of outcomes has been limited to one-piece implants in small numbers of cases. We currently evaluate the efficacy and safety of a two-piece zirconia implant system (ZERAMEX®) in a prospective study. We also evaluate the biological reactions of the peri-implant tissues and patient satisfaction. Cases will be presented showing the utilization of these implants in the context of a comprehensive treatment plan, and outcomes up to three years will be shown.

**LEARNING OBJECTIVE:**

The purpose of this lecture is to present the ZERAMEX® two-piece zirconia implant system, to explain the clinical procedures and demonstrate outcomes up to three years.



**Dr. Dan Hagi, DDS**  
**Topic: Osseointegration and Soft Tissue Health of Zirconia Dental Implants.**

*Metal Free Oral Rehabilitation, Thornhill, Ontario*

**BIO:** Dr. Hagi is a graduate of the University of Toronto Faculty of Dentistry and has been practicing in Thornhill, Ontario with a focus on aesthetically driven metal-free oral rehabilitation. Dr. Hagi was trained by the Misch International Implant Institute in both prosthetic and surgical implantology. He is a Fellow of the ICOI and an associate Fellow of the AAID. A published author and lecturer on ceramics in dentistry, specifically ideal tooth replacement utilizing CeraRoot dental implants.



FRIDAY, JAN. 24

**ABSTRACT:** Zirconia implants are a proven non-metal alternative to titanium, with biological and esthetic advantages. An added benefit of zirconia is improved gingival health following rehabilitation. Dental implant design characteristics that contribute to histological and histomorphometric healing of zirconia implants will be described. The surface topography, chemical and electrical properties that make this material ideal for ideal soft tissue health will be described.

**LEARNING OBJECTIVES:**

- Understand dental implant design characteristics that lead to positive clinical outcomes.
- Understand the literature that supports the osseointegration of Zirconia.
- Describe the histological healing of Zirconia in hard and soft tissue.
- Understand the differences in tissue reaction to Zirconia and Titanium.

1:00 pm to 5:00 pm →



**Dr. Sammy Noubissi**  
Topic: Non-destructive and predictable evaluation of the Osseointegration of Zirconia Dental Implants

Wichita State University, Professor of Dental implantology, Private Practice Silver Spring, USA

**BIO:** Dr. Noubissi obtained his Doctorate in Dentistry from Howard University College of Dentistry in Washington DC. After obtaining his DDS, he went to study Dental Implantology at Loma Linda University Advanced Education Program in Implant Dentistry. He earned a certificate in Oral Implantology and a Master of Science degree in Implant Surgery. He is a published author, a member of the editorial board of the Journal of Implant and Advanced Clinical Dentistry and reviewer for the Journal of Oral Implantology. Dr. Noubissi lectures nationally and internationally, he is the current president of the International Academy of Ceramic Implantology.

**ABSTRACT:** In order to transition dental implants to a functional mode, successful osseointegration is a prerequisite and needs to be evaluated and confirmed. Different implant designs, surface characteristics and host site conditions may influence the amount and quality of bone/implant interface. Dental implants at the time of placement are stable solely because of mechanical stability; there is almost always an initial decrease in implant stability followed by a gradual increase as the implants osseointegrate and become biologically stable. Over time the implant stability which is a combination of mechanical and biological stability increases to a point where it's safe for them to be loaded. Many non-invasive implant assessment stability methods and tools have been proposed and studied and continuous monitoring is the best way to evaluate the osseointegration process. Due to ethical and practical issues, implant stability assessment should be done in a safe, non-destructive, objective and quantitative manner. Objective and quantitative measurement of implant stability not only facilitates good communication between surgeon and restorative dentist but also improves case documentation.

**LEARNING OBJECTIVES:**

- Synergy of mechanical and biological stability in functional implant success
- Understand the technology and philosophy behind assessing dampening capacity
- Learn how to interpret readings obtained during dampening assessment
- How much stability is enough to restore one-piece zirconia implants
- How to alter restorative options according to implant stability values



**Dr. Noriaki Honma**  
Oral and Maxillofacial Surgeon  
Private Practice  
Tokyo, Japan



**Dr. Josep Oliva DDS MSc**  
Topic: Real Tooth Replacement: Transition from Metal to All-Ceramic Implantology

University of Barcelona School of Dental Medicine, Professor of Periodontics and Implantology, Private Practice Granollers, Spain

**BIO:**

- Dental school at Universitat Internacional de Catalunya
- MSc in Periodontics at Universitat de Barcelona
- Author and co-author of 7 scientific publications in Top International Dental Journals.
- Speaker in National and International Dental Meetings.
- Co-founder of the CeraRoot zirconia implant system

**ABSTRACT:** The strength, biocompatibility and color of zirconium oxide ceramics makes this material an ideal solution for patients seeking metal-free solutions. The surgical and prosthetic differences between titanium and zirconia implants, will be evaluated during the presentation.

**LEARNING OBJECTIVES:**

The objective of this presentation is to observe the benefits for the patient and for the dental professional when changing from conventional metal implants to all-ceramic zirconia implants.



**Dr. Ralf Luettmann**  
Topic 1: One Piece Ceramic Implants versus Two Piece Ceramic Implants – Are One Piece Implants a Return to Simplicity and standard protocol in near future?

Private Practice Hamburg, Germany

**BIO:** Dr. Ralf Luettmann was born in 1962 and completed his dental education both in Hamburg, Germany and Zurich, Switzerland. In 1991 he obtained his certificate in dental implantology under the able

guidance of Prof. Branemark in Gothenborg, Sweden. Since 1992 Dr. Luettmann has been a partner of L Dental Clinic for metal free dentistry. His focus is on bioesthetic holistic dentistry, periodontology, CMD and orthodontics. His experience with ceramic implants started in 1998 under the tutelage of Prof. Sami Sandhaus in Lausanne, Switzerland and Dr. Ernst Thomke Head of R&D Z-Systems AG, Switzerland. Dr. Luettmann is an international speaker on metalfree dentistry and ceramic implantology. He is a member of the following organizations: ICCMO, DGZI, ICI, DGZMK and GZM.

**ABSTRACT:** Osseointegration being an accepted and well documented concept, for some time now attention has been directed towards achieving bioesthetic success, simplifying surgical protocols, immediate placement and loading of implants to reduce the restoration time. With modern implant designs and high tech ceramic implant surfaces a paradigm shift from conventional two piece metal implants and two stage implantology to unibody single stage ceramic implantology is already on the horizon.

**LEARNING OBJECTIVES:**

- Advantages and disadvantages of the one piece ceramic implant design as well as some of the parameters which are required for its selection.
- Understand when to use the two piece ceramic implant design.
- Understand application of technique to render treatment more straightforward, achieving better outcomes with less invasive procedures, making treatment available to more patients.
- Understand dynamic inter-relationship of implant design and treatment strategies.

**SATURDAY, JANUARY 25**

**8:00 am to 12:00 pm →**



**Dr. Ralf Luettmann**  
**Topic 2: Early Loading of Zirconia Implants – Limitations and Criteria for Increased Predictability of Clinical Outcomes.**

*Private Practice Hamburg, Germany*

**ABSTRACT:** Zirconium dioxide has been the material of choice for long-lasting surgical implants for decades and the first material to be investigated for dental implants. This is because of its specific characteristics of biocompatibility, immunological and galvanic inertia. Yet, it took more than a decade to overcome the limitations of bioceramic production technology and gain insights into the material specific protocols to achieve industry leading levels of implant success. In this session, we will discuss the criteria to make early loading of zirconia implants predictable, covering clinical and technical limitations. A protocol involving key technologies of digital dentistry like CBCT is proposed to make early loading of zirconia implants safe and predictable.

**LEARNING OBJECTIVES:**

- Case selection for immediate implant placement and immediate loading.

- When to use one piece ceramic implants and when to use two-piece ceramic implants.
- Understand the application of 3D digital imaging for safe and predictable guided implant placement.
- Learn minimally invasive technique for implant placement.
- Understand indications for immediate load vs. delayed loading and single stage vs. two stages surgical technique
- Challenges and limits of "Soft Tissue Level Implants Placement Protocols



**Dr. Judson Wall**  
**Topic: Zirconium Dioxide Implants: Not Just an Alternative.**

*Private Practice Bountiful, Utah USA*

**BIO:** Judson B. Wall, DDS graduated in 2000 from West Virginia University, spent 4 years in the US Air Force honing specialized skills without becoming a specialist. He has achieved Fellowship status in the Academy of General Dentistry, Distinguished Fellowship in the American Academy of Craniofacial Pain and is an accredited member of the IAOMT. Dr. Wall runs a holistic dental practice in Bountiful Utah, treating nutritional deficiencies, dental poisoning, structural abnormalities, and edentulism.

**ABSTRACT:** Presentation will consist of how to use zirconium implants as part of a whole body approach to diagnosing and treatment planning. Case studies will include fully edentulous, implant supported dentures; partially edentulous implant supported ceramic crowns; implants used to help stabilized compromised jaw joint conditions.

**LEARNING OBJECTIVES:**

- Understand how zirconia implants can complement a holistic approach to dentistry.
- Discuss specific nutritional indices and protocols for optimal healing and Osseointegration.
- Appreciate diagnostic indices and modalities that will aid in recognizing dietary deficiencies.
- The negative effects of sleep disorders may have on osseointegration.

**1:00 pm to 5:00 pm →**



**Dr. Stephen Evans**  
**Topic: Biological Regeneration with Autologous Fibrin Membranes and Growth Factors.**

*Private Practice, Bullard Texas USA*

**BIO:** Dr. Evans has enjoyed 27 Years of general family dental practice and advanced reconstructive dentistry experience. Described by his patients and colleagues as personable, kind, gentle, and artistic as



well as; professional, exacting, thorough and a meticulous researcher, scientist, inventor, teacher, dental pioneer and surgeon.

**ABSTRACT:** Platelet Rich Fibrin also called PRF is a natural, autologous biological regenerative option that contains platelet derived growth factors which accelerate healing. Fibrin-based surgical adjuvants are widely used in plastic surgery in order to improve scar healing and wound closure. However, the addition of platelets and their associated growth factors have opened a new range of possibilities in dental implantology especially with regards to hard and soft tissue regeneration. Osseointegration of any implant prosthesis takes place with protein attachment which is stimulated by specific growth factors and cells which is facilitated by angiogenesis and neovascularization. It is very important to have a thorough and complete chronological history of patients to begin to understand and prioritize treatment options and determine if PRF is appropriate and optimal for their needs. Understanding what type of PRF to use based on considerations such as a patient's needs and ability to heal. This lecture will present how the use of PRF can improve the hard and soft tissue integration of ceramic dental implants.

**LEARNING OBJECTIVES:**

- To understand the importance and relevance of biologic regeneration for the successful outcome of implant reconstruction therapy.
- To understand the critical complexities of a thorough chronological patient history and "listening" to what is important to the patient.
- To understand how PRF may be a significant modality for healing and regeneration of hard and soft tissue—Focus on Oral/Available for Other Options
- To understand the relationship of systemic whole body health. Identify some of the underlying risk factors for implant and connective tissue success or failure.
- To understand the value of coordinating and integrating the treatment priorities of the patient, medical and dental team; including pre and post parameters/therapies for optimal clinical outcomes.
- To provide resources for further research and development.



**Mr. Taylor Hunter**  
**Topic: Zirconia, The all Ceramic Foundation for Comprehensive Esthetic and Implant Dentistry**

*Aurum Ceramics Dental Laboratory, Las Vegas Nevada USA*

**BIO:** Taylor Hunter is the C&B/CAD Department Manager at Aurum Ceramic, Las Vegas, which exists at CAPE, Center for Professional Education, and is the home of LVI. Having achieved his Diploma in Dental Technology in 2003, he began his career with Aurum Ceramic, Las Vegas providing diagnostic and fixed restorative case design, fabrication and management. Taylor has been instrumental in supporting the specialized business model for this location, which is to provide all ceramic solutions for Comprehensive Esthetic and Implant Dentistry. On a daily basis, Taylor is in direct communication with Dentists about full arch, full mouth and implant cases. He is also

directly involved with the live patient treatment programs for fixed restorative and implant dentistry.

**ABSTRACT:** Taylor's presentation will from a dental laboratory technician's perspective show comprehensive and implant cases utilizing Zirconia for a number of different situations. Different ceramic materials and their applications to specific prosthetic situations will be presented and discussed.

**LEARNING OBJECTIVES:**

1. For comprehensive, all-ceramic cases, to show how zirconia can be used.
2. For comprehensive, all-ceramic cases, to show how esthetic zirconia can look.
3. For basic and comprehensive implant cases, to show how zirconia can be used and to show it's esthetic characteristics.
4. To show that, without zirconia, the above mentioned could not be accomplished from an all-ceramic perspective, considering today's dental materials.



**Mr. Jared E. Young**  
**Topic: How to Make an Extra \$100,000 a Year — or More — with Ceramic Dental Implants**

*Dental Marketing Expert, Private Practice Owner, Bend Oregon USA*

**BIO:** Jared works with clients in the dental industry from around the world, helping them grow their practice by placing an emphasis on cost-effective marketing and sales techniques within the practice and getting staff on board to make it easier for the dentist. Jared delivers conferences around the world on dental marketing. His talks provide actionable steps that dentists and their staff can take immediately to get big results on a small budget.

**ABSTRACT:** Discover the secrets to making zirconia dental implants profitable for you and your practice. You have the system, the expertise, and the knowledge to place zirconia implants ... now you just need to get patients begging to have you place them. This course will give you the action steps you need to make it happen.

Like Invisalign, CEREC, and Titanium Implants in the past decades, ceramic implants are the "next big thing" in dentistry — and this is your opportunity to capitalize and be an industry leader.

It's not enough to simply place ceramic implants — you have to turn them into a profit center for your practice. In this valuable presentation you will discover the financial benefits of placing ceramic implants, how to sell them to your patients, and how to use them as a lead generator in your practice to bring in some of the best and most profitable patients you will ever have.



**LODGING/LOCATION:**

**Crowne Plaza**

Hollywood Beach  
4000 S. Ocean Drive  
Hollywood, Florida 33019  
954.454.4334

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

For room reservation and preferred Winter Congress rates please [click here](#) and use code **INT**.



**CANCELLATIONS AND CHANGES:**

Full refunds may be granted only if notification is received no later than December 15, 2013. Cancellation after this time will result in a \$350 processing fee. We cannot assume responsibility for losses due to participant travel arrangements.

**REGISTRATION:**

This is a **two-day** course, **16 CE (continued education) credits** will be awarded and full tuition for both days is **\$699**. International Academy of Ceramic Implantology Members (IAOCI) save \$100.

**ACCREDITATION:**

**Miles of Smiles Institute** is an **Academy of General Dentistry Approved PACE Program Provider** FAGD/MAGD Credit. Approval does not imply acceptance by a state or provincial board of dentistry or AGD endorsement. 5/1/13 to 4/30/15 Provider #352916



**REGISTRATION FORM:**

International Academy of Ceramic Implantology  
**WINTER CONGRESS**

**MIAMI • JANUARY 24 AND 25, 2014**

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

EMAIL \_\_\_\_\_

**If you are not yet a member of the IAOCI you can sign up for a one year membership (\$395.00) at [www.IAOCI.com/join](http://www.IAOCI.com/join). All IAOCI memberships will be verified before you are enrolled in the course and save \$100.00 on the course tuition fee.**

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Please check one:

- Full Tuition: \$699.00
- IAOCI Member: \$599.00
- First-time IAOCI Members: \$399.00 (Must sign up by 11/30/2013)
- On-Site Registration: \$799.00

**Fax the registration form to 301-588-0873**  
**Email the registration form to [ronetta@milessofarmsdental.net](mailto:ronetta@milessofarmsdental.net)**  
**Or call Ronetta Jones at 301-588-0768 to register**



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International Academy of Ceramic Implantology

# WINTER CONGRESS

## MIAMI

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