The Future Is Now

January 26 - 27, 2018
Millennium Biltmore Hotel Los Angeles
506 South Grand Avenue, Los Angeles, CA 90071-2607
General Sessions • Dental Hygiene Forum • Dental Hygiene Hands-On Workshop • Hands-On Model Workshops

January 24, 25, 28, 2018
Herman Ostrow School of Dentistry of USC
925 W. 34th St., Los Angeles, CA 90089
Hands-On Cadaver Workshop

43rd Annual USC International Periodontal and Implant Symposium

Symposium Theme

1 Event. 25 Presenters. 8 Workshops.
Dear colleagues and friends:

We are pleased to invite you to attend the 43rd International USC Periodontal & Implant Symposium. The theme of this year’s symposium will be: “The Future is Now”. The concept is that many highly advanced material, technologies and protocols are currently in various stages of testing or application. However, these technologies and material are asymmetrically distributed, so that only select few of the experts have tested or have experience with them. The USC Periodontal & Implant Symposium is a great opportunity for these experts to share some of the latest and cutting edge techniques, material, protocols and technologies that may can impact patient care in the coming years. A panel of internationally renowned experts will present some of these cutting-edge advancements to highlight some of the techniques, material, protocols and technologies, which have only recently become available, as well as herald what will become available in the near future. However, the goal of this symposium is not to discuss possibilities that are only theoretical and may or may not become available in the too distant future. The program boasts five days with a diverse range of educational opportunities. The two-days of general sessions will include lecture presentation and case presentations, as well as expert panel discussion. In addition, there are a variety of surgical and prosthetic hands-on workshops on models, animal jaws, as well as three cadaver workshops. Although the majority of the general-session presentations are interdisciplinary in nature, there are also sessions designated as “Surgical Track”, “Restorative Track” and “Dental Hygiene Forum” that focus on specific disciplines. The program is sure to inspire you and provide material, which are very germane to clinical practice.

We hope to see you all in Los Angeles in January 2018.

Homayoun Zadeh, DDS, PhD
Symposium Chair and Moderator

All speakers must disclose to the audience any proprietary, financial or other personal interest of any nature or kind, in any product, service, source and/or company, or in any firm beneficially associated therewith that will be discussed or considered during their presentation. The Herman Ostrow School of Dentistry of USC does not view the existence of these interests or uses as implying bias or decreasing the value to participants. The Herman Ostrow School of Dentistry of USC, along with ADA CERP, feels that this disclosure is important for the participants to form their own judgment about each presentation.
**Wed, Jan 24, 2018 - Herman Ostrow School of Dentistry of USC**

8am-5pm Cadaver Workshop: Flap management for periodontal and implant site regeneration (Guilio Rasperini)

**Thurs, Jan 25, 2018 - Herman Ostrow School of Dentistry of USC**

8am-5pm Cadaver Workshop: Modern Periodontal and Implant Therapy (Markus Hürzeler)

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**Fri, Jan 26, 2018 - General Sessions - Millennium Biltmore Hotel Crystal Ballroom**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Registration &amp; Continental Breakfast</td>
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<tr>
<td>8:45 am</td>
<td>Welcoming Remarks</td>
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<tr>
<td>9:00 am</td>
<td>Measures to correct of soft and hard tissue defects: present challenges and future developments (Christoph Hämmerle)</td>
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<tr>
<td>9:45 am</td>
<td>Treatment of soft tissue deficiency around implants – a new approach (Markus Hürzeler)</td>
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<tr>
<td>10:30 am</td>
<td>Coffee Break &amp; Exhibit</td>
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<tr>
<td>11:00 am</td>
<td>Possibilities, Limits, and Sequences of the Periodontal Therapy in Severely Compromised patients (Giulio Rasperini)</td>
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<tr>
<td>11:45 am</td>
<td>A simplified protocol in GBR and soft tissue boosting for the retreatment of failures in dental medicine (Giorgio Tabanella)</td>
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<tr>
<td>12:30 pm</td>
<td>Expert Panel</td>
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<td>1:00 pm</td>
<td>Lunch &amp; Exhibit</td>
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**Surgical Track - Crystal Ballroom**

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<th>Time</th>
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<tr>
<td>2:15 pm</td>
<td>Different donor sites for harvesting bone ring graft, advantages and disadvantages (Greg Chen)</td>
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<td>Immediate vs Delayed Implant Placement in the Aesthetic Zone: The Decision Making Process (Neema Bakhshalian)</td>
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<tr>
<td>3:15 pm</td>
<td>Maxillary sinus elevation: Some things I have learned in 40 years (Steve Wallace)</td>
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<td>Expert Panel</td>
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**Mezzanine Rooms**

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<tr>
<td>4:00 pm</td>
<td>Hands-On Workshop: Bone ring technique to reconstruct vertical defect around implant (Greg Chen)</td>
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<tr>
<td>4:00 pm</td>
<td>Hands-On Workshop: SmartFix concept of immediate loading (Fernando Rojas Vizcaya)</td>
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**Restorative Track - Tiffany Ballroom**

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<th>Time</th>
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<tr>
<td>2:15 pm</td>
<td>Zirconia restorations in daily practice (Gelareh Ronaghi)</td>
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<tr>
<td>2:45 pm</td>
<td>The three “S” for the maxillary esthetic case; Smile, Simplant and SmartFix (Fernando Rojas Vizcaya)</td>
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<tr>
<td>3:15 pm</td>
<td>Clinical challenges in adhesive rehabilitation (Neimar Sartori)</td>
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<td>3:45 pm</td>
<td>Expert Panel</td>
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**Sat, Jan 27, 2018 - General Sessions - Crystal Ballroom**

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<tr>
<td>7:00 am</td>
<td>Registration &amp; Continental Breakfast</td>
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<tr>
<td>8:00 am</td>
<td>Lip Support in Full Arch Rehabilitation – Ridge Osteotomy vs. L-PRF Augmentation (João Caramès)</td>
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<td>8:45 am</td>
<td>The Virtual Implant Patient (VIP) protocol (Fernando Rojas)</td>
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<td>9:30 am</td>
<td>Digital implant dentistry: a fascinating path of exciting possibilities (Christoph Hämmerle)</td>
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<td>Coffee Break &amp; Exhibit</td>
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<td>10:45 am</td>
<td>Rivaling natural teeth esthetics using contemporary ceramics fine arts (Naoki Hayashi)</td>
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**Digital vs. Analog Workflow**

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<tr>
<td>1:20 pm</td>
<td>Ridge Atrophy Treatment Concepts utilizing Osseodensification and Blood Derived growth Factors (Ziv Mazor)</td>
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<tr>
<td>2:00 pm</td>
<td>Facts, Failures and Fairy Tales (Baldwin Marchack)</td>
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<td>2:40 pm</td>
<td>Clinical management of Aesthetic Complications with Dental Implants (Abdelsalam Elasraki)</td>
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<tr>
<td>3:20 pm</td>
<td>Next Generation Biomaterials for Periodontal and Bone Regeneration (Richard Richard)</td>
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<td>4:00 pm</td>
<td>Meeting Adjourns</td>
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**Complications/Solutions**

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<tr>
<td>4:00 pm</td>
<td>Hands-On Workshop: Immediate implant placement: Risk Assessment, technique, and outcome (Neema Bakhshalian)</td>
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**Perio Therapy**

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<th>Time</th>
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<tr>
<td>1:15 pm</td>
<td>Contemporary risk assessment and periodontal therapy (Kian Kar, Alfonso Gil, Goncalo Carames, Peiman Mehrer)</td>
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**Optional Hands-On Workshop**

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<th>Time</th>
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<tr>
<td>3:30 - 5:30 pm</td>
<td>Improve your quality of non-surgical periodontal therapy and implant maintenance (Jodi Deming)</td>
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**Sun, Jan 28, 2018 - Herman Ostrow School of Dentistry of USC**

8am-5pm Cadaver Workshop: Maxillary sinus elevation (Steve Wallace)
General Information

EVENT LOCATION
Millennium Biltmore Hotel Los Angeles
506 South Grand Avenue., Los Angeles, CA 90071-2607
- Right in the heart of downtown Los Angeles
- 25 minutes from Los Angeles International Airport
- Minutes away from CA-110, I-10, I-101, and I-5.
- Reservation: 213.612.1575
- Group Code: 1801PERIOS
- Website: www.millenniumhotels.com/millenniumlosangeles
- Book your rooms early! Special guest room rate is available for enrollees for 43rd USC Periodontal & Implant Symposium. Book prior to January 5, 2018 to receive $155 rate for Classic Room (single or double) and $185 for Club Room. Or book your room online at: www.millenniumhotels.com/millenniumlosangeles (Group Code 1801PERIOS)

QUESTIONS?
Please contact Herman Ostrow School of Dentistry of USC Office of Continuing Education by one of the following methods:
- Mail: 925 W. 34th St. Room 201J., Los Angeles, CA 90089
- Telephone: 213-821-2127
- Fax: 213-740-3973
- Email: cedental@usc.edu
- Website: http://dentalcontinuingeducation.usc.edu

Detailed course information and online registration available at: www.uscperiosymposium.org
Look for USC Periodontal & Implant Symposium on Facebook!
Cadaver Workshops at USC

Flap management for periodontal and implant site development
**Wednesday, January 24, 2018, 8:00am - 5:00pm**
Cadaver Hands-On Workshop - Giulio Rasperini, DDS, PhD

Coronally advancement of the flap is frequently needed in the clinical scenario. We need it for vertical and horizontal bone regeneration, for regenerative perio and implant procedures and mucogingival aesthetic surgical techniques. To know and visualize the anatomical limits such as nerves and vessels while incisions are performed, is mandatory to prevent and avoid possible surgical complication. during the hands on all these anatomical limits will be explored and analysed.

Modern periodontal and implant therapy
**Thursday, January 25, 2018, 8:00am - 5:00pm**
Cadaver Hands-On Workshop - Markus Hürzeler, DMD, PhD

Learning the principles of microsurgical concept: the new instruments; new suture material and new suturing techniques: harvesting free gingival graft, harvesting subepithelial connective tissue graft on cadaver. Flap designs: full-thickness flap; split-thickness flap on cadaver. Coronally position flap on the cadaver. Tunneling technique on the cadaver.

Maxillary Sinus Elevation
**Sunday, January 28, 2018, 8:00am - 5:00pm**
Cadaver Hands-On Workshop - Stephen Wallace, DDS

This full day cadaver course will consist of a morning didactic session and a hands-on laboratory session. The morning session will be clinically related covering sinus anatomy, multiple surgical techniques, and complication management through slides and videos. Featured will be Piezosurgery, still today considered the best surgical modality while offering the lowest complication rate. Cadaver workshops offer the opportunity to compare different treatment modalities in the next-best-thing to live surgery.
Hands-On Workshops at the Biltmore

Bone ring technique to reconstruct vertical defect around implant
Friday, January 26, 2018, 4:00pm - 6:00pm
Hands-On Workshop - Dr. Greg Chen, DDS, PhD
A short lecture about indication, clinical procedure and key protocol of bone ring technique. Workshop is to Create bone defect in anterior region of edentulous mandibular model. Get bone ring from chin and use the implant to fix bone ring graft at recipient site.

The SmartFix concept and bone and soft tissue sculpturing prosthetically guided for maxillary rehabilitations
Friday, January 26, 2018, 4:00pm - 6:00pm
Hands-On Workshop - Fernando Rojas-Vizcaya, DDS, MS
After extensive treatment planning, where the face and smiles are used as key factors to determine the 3D tooth/implant position, prosthetically guided protocol will be applied to perform bone and soft tissue sculpturing using tilted posterior and axial anterior implants, together with 17º and 30º Multibase Abutments to obtain esthetic and functional immediate loaded prosthesis.

- Understand why a prosthetic driven protocol is the correct way for planning cases and is the axis of any treatment plan
- Perform bone reduction to obtain biological space for pink esthetics
- Place tilted anterior and posterior implants
- Perform Immediate loading using different degrees of angled abutments.

A simplified approach or advanced guided bone regeneration and soft tissue boosting around dental implants
Saturday, January 27, 2018, 4:00pm - 6:00pm
Hands-On Workshop - Giorgio Tabanella, DDS, MS
The predictability of bone grafting is directly proportional to the amount of bone that is enclosing the space. Of course, the gross size of the defect itself is a critical factor for its treatment and for the healing time. It is evident that the smaller the gap that needs to be bridged by new tissue, the easier it is to fill. A defect spanning a single tooth or with mild horizontal bone loss has a very good prognosis and a reduced healing time, while one spanning two or more teeth or with advanced horizontal or vertical deficiency garners a good prognosis only if planned and executed properly as well as the time needed for tissue healing and maturation is taken into consideration.

This hands-on course will highlight in detail the process of site evaluation, critical anatomy, flap design, harvest techniques, suturing and the required armamentarium to perform Guided Bone Regeneration. Starting from the principles of bone regeneration, the course will show simple to complex cases in the esthetic areas. Full HD surgical videos as well as clinical pictures will emphasize anatomical and surgical details of donor and recipient sites. Every surgery will be explained step-by-step in order to provide in-depth training for the participants in the manipulation of peri-implant tissues.

The hands-on session will give participants awareness of performing tissue augmentation from a periodontal perspective. Long-lasting and esthetic results will be based on surgical key factors, which are critical for achieving optimal biomimetics. A new simplified protocol for GBR as well as peri-implant soft tissue management will be emphasized.

Immediate Implant Placement: Risk Assessment, Technique, And Outcome
Saturday, January 27, 2018, 4:00pm - 6:00pm
Hands-On Workshop - Neema Bakhshalian, DDS, MS, PhD
Dental implants have revolutionized dentistry by enabling dentists to replace missing or unrestorable teeth with dental implants. One of the challenges in implant dentistry is the overall treatment time from the time of extraction to delivery of the definitive restoration. Immediate implant placement is one of the developments in implant dentistry to expedite the process by combining the healing of the extraction socket with implant osseointegration time. Nonetheless, there are several risks associated with immediate implant placement which made case selection the key to success. In this course, we will explore the potential dimensional changes following tooth extraction, different implant placement protocols, risk assessment for immediate implant placement and also simultaneous ridge preservation with immediate implant placement. The hands-on section entails implant placement in anterior and posterior extraction sockets with simultaneous ridge preservation on typodont.
Dental Hygiene Forum

Saturday, January 27, 2018, 9:00pm - 3:00pm

Innovations in Periodontal and Implant Instrumentation
Lecture - Anna Pattison, RDH, MS

This presentation will update you on the latest hand instruments and ultrasonic inserts/tips for periodontal initial scaling and maintenance. The newest titanium mini-bladed hand instruments for implants and ultrasonic tips for implants will be shown and compared to subgingival air polishing with glycine and subgingival irrigation with antimicrobials.

• Describe the newest hand and ultrasonic instruments for periodontal deep scaling and for maintenance.
• Describe the newest hand and ultrasonic instruments for implant instrumentation.
• Discuss the efficacy of subgingival air polishing compared to hand and ultrasonic instrumentation of implant surfaces.
• Discuss the efficacy of subgingival irrigation with antimicrobials.

Reducing Failures: At-home maintenance as the cornerstone of implant therapy
Lecture - Michelle Strange, RDH, BHS, MSDH

In today’s dentistry, we are giving patients a viable option for tooth replacement, but we must remember: treatment of dental implants does not end after the surgical or restorative phases. Creating an at-home maintenance program that is tailored to the patient and their dental implant(s) is key. Depending on the patient’s motivation, dexterity, physical capabilities, and type of prosthetic, there can be many ways to maintain their dental implant at-home. Understanding the latest research and products that will help create long-term success for your patients is essential.

The quest for optimal patient care and viable solutions for implant maintenance
Lecture - Jodi Deming, RDH

In this lecture, you will learn about the science behind biofilm management and some of the latest approaches to help you conquer subgingival biofilm. Learn why “biofilms” best describe the oral microbial communities, identify the characteristics and behaviors of biofilms. Acquire information about the new disease model: Polymicrobial Symbiotic and Dysbiosis – beyond the red complex. And most importantly, understand how the scientific evidence of biofilm impacts new treatment options, technology choices and viable solutions for implant maintenance in our quest to provide optimal care for all our patients.

Contemporary risk assessment and periodontal therapy
Lecture - Kian Kar, DDS, MS, Alfonso Gil, DDS, Goncalo Caramês, DMD, MS, Peiman Mehriar, DDS

TBA

Improve your quality of non-surgical periodontal therapy and implant maintenance
Dental Hygiene Hands-On Workshop - Saturday, January 27, 2018, 3:30pm - 5:30pm

Dental Hygiene Hands-On Workshop - Jodi Deming, RDH

Join us for this fast-paced hands-on workshop which provides you with the science behind biofilm management and introduces you to some of the latest technologies to help you win the battle against subgingival biofilm. Learn why “biofilms” best describe the oral microbial communities, identify the characteristics and behaviors of biofilms. Most importantly, experience glycine powder air polishing and piezoelectric ultrasonic scaling technology to assist you in your quest to provide optimal care for your patients. You won’t want to miss it!
Keynote Presentation

Christoph Hämmerle, Prof. Dr. med. dent. (SWITZERLAND)

Prof. Hammerle focuses clinically and scientifically on the comprehensive treatment of complex, partially edentulous patients applying all available options of reconstructive dentistry including dental implants. He has served in various scientific organizations including: Swiss Society for Reconstructive Dentistry, Osteology Foundation, European Association for Osseointegration. He has published more than 250 scientific and clinical articles and has served on the review boards of several high-ranking scientific journals in the field.

Keynote Topic: Measures to correct of soft and hard tissue defects: present challenges and future developments

Functional rehabilitation of partially and completely edentulous patients with osseointegrated dental implants has become a predictable and successful treatment method. Based on these successes, a recent focus in implant therapy has been to reconstruct the patient’s lost hard and soft tissues for optimal function and esthetics.

GBR has broadened the indications for implants to jaw regions exhibiting bone defects. Clinical and scientific evidence demonstrates the successful use of GBR to regenerate missing bone at implant sites. Recent studies report the long-term success of implants placed simultaneously with or after GBR. Recently, new materials and techniques have evolved aiming at improving predictability of success and at the same time improving clinical handling. A classification of bone defects has been published aiming at simplifying the decision-making process regarding new and traditional approaches for bone augmentation.

Regarding the management of the soft tissues the clinical procedures leading to predictable function and esthetic results are still in a development phase. Several factors such as location of the implant, presence or absence of adjacent teeth, height and width of the bone crest, mucosal thickness and scalloping have been identified as critical factors for obtaining reliable final outcomes. Regarding materials used for gaining additional soft tissue volume autogenic soft tissue grafts represent the gold standard. More recently, graft replacement materials primarily made of collagen have successfully been applied. The optimal choice of different clinical strategies and various materials for soft tissue augmentation will be described and explained.

Saturday Topic: Digital implant dentistry: a fascinating path of exciting possibilities

Reconstructions are placed with the aim of providing the patient with new teeth. In spite of this many reconstructions are placed without the necessary preceding steps of diagnosis and treatment planning. Corrections at later stages are frequently difficult to perform and in many cases still lead to functional and esthetic shortcomings. Modern radiological and clinical diagnoses need to include anatomical as well as prosthetic aspects. Capturing of patient data including intra- and extra-oral scans as well as 3-D radiographs combined with computer aided planning software allow mimicking the desired end result already during the planning phase. This is the best way to later obtain the initially foreseen result for best clinical success.

Once teeth are prepared and implants are placed the subsequent steps may be performed along conventional or digital pathways. Digital ones may today replace many of the traditional steps necessary for the fabrication of reconstructions. Whereas many materials used for dental reconstructions may be processed either by conventional or by digital manufacturing processes, some newer materials including zirconia are primarily processed by computer aided manufacturing. The various possibilities including advantages and disadvantages will be discussed.
**Instructors**

Neema Bakhshalian, DDS, MS, PhD (USA)

Dr. Bakhshalian is full-time faculty at USC specialized in Periodontology and Implant Dentistry. He received his DDS degree and PhD degree from the Florida State University with a focus on Bone Biology. With his background in tissue engineering, he started his residency program in Periodontology and Implant Dentistry at USC in 2011. Dr. Bakhshalian developed a new bone grafting material composed of proteins molecules in teeth. His research in this area has been published in prestigious journals and recognized at national and international meetings. He has also developed new techniques for grafting extraction sockets to simplify and improve dental implant placement following removal. Dr. Bakhshalian is a member of several professional organizations such as the ADA, AAP, and AO.

**Topic: Immediate vs Delayed Implant Placement in the Aesthetic Zone: The Decision Making Process**

Placement of dental implants at the time of extraction shortness the healing time and reduces the number of the surgical procedures. However, there are several limitations and risk factors involved in immediate implant placement. This presentation is focused on the pros and cons of immediate implant placement in the aesthetic zone and the risk factors involved in treatment planning and decision making.

**Hands-On Workshop Topic: Immediate implant placement: Risk assessment, technique, and outcome**

Dental implants have revolutionized dentistry by enabling dentists to replace missing or unrestorable teeth with dental implants. One of the challenges in implant dentistry is the overall treatment time from the time of extraction to delivery of the definitive restoration. Immediate implant placement is one of the developments in implant dentistry to expedite the process by combining the healing of the extraction socket with implant osseointegration time. Nonetheless, there are several risks associated with immediate implant placement which made case selection the key to success. In this course, we will explore the potential dimensional changes following tooth extraction, different implant placement protocols, risk assessment for immediate implant placement and also simultaneous ridge preservation with immediate implant placement. The hands-on section entails implant placement in anterior and posterior extraction sockets with simultaneous ridge preservation on typodont.
Goncalo Carmês, DDS, MS (USA)
Dr. Carames received his DMD and MS degree from the University of Lisbon School of Dental Medicine. He completed a postgraduate program in implant dentistry at the Institute of Health science of the North-Portugal before he started his residency in Periodontology and Master of Science in Craniofacial Biology at USC. He is an active member of the AO, AAP and OF.

Topic: **Periodontal soft tissue root coverage procedures for the treatment of gingival recessions**
Gingival recession may be treated using a variety of therapeutic strategies with varying degrees of success, depending on the initial presentation and treatment approach. The available techniques have limitations, including the need for marginal incisions that compromise the blood supply, the insufficient coronally advancement of the gingival margin resulting in inadequate root coverage.

The objective of this presentation is to review and compare the different options and the scientific evidence of the procedures for the treatment of gingival recessions.
Topic: Lip Support in Full Arch Rehabilitation – Ridge Osteotomy vs. L-PRF Augmentation

The severe atrophic maxilla presents serious limitations concerning implant placement in harmony with the planned prosthesis.

Fixed implant-supported prosthesis for the edentulous maxilla is a well-documented therapeutic approach. Several prosthetic designs and surgical techniques have been presented and developed in order to increase predictability of esthetic treatment outcomes.

As a result of the loss of multiple teeth and alveolar ridge resorption, the lip support may be compromised in many cases, influencing esthetics and selection of the surgical technique to be used: ridge osteotomy or augmentation.

Leukocyte and platelet-rich fibrin (L-PRF) represents a more recent generation of platelet concentrates that improves healing of both hard and soft tissues and used for augmentation procedures. The osteotomy is another option in severely resorbed crests to avoid the prosthetic transition line in the aesthetic area and also the lip collapse.
**Greg Chen, DDS, PhD (CHINA)**

Dr. Chen received his DDS degree in 1995. He got his Ph.D of Oral and Maxillofacial Surgery from Beijing University in 2000. He is the director of U-dental implant training center. Master Tutor at the Goethe University Frankfurt College of Dentistry. He is committee member, Society of Oral Implantology, Guangdong. He is the specialist for implantology acknowledged by the European Association for Osseointegration (EAO).

**Topic: Different donor sites for harvesting bone ring graft, advantages and disadvantages**

Bone ring technique is an effective method to repair 3 dimensional bone defect around dental implant with simultaneous implant insertion. It combined bone block graft with implant insertion during one procedure, which can shorten the treatment time. However, autogenous bone block should be harvested from 2nd surgical site, which may cause complications such as paraesthesia, bleeding, root damages, et al. The need for autogenous bone block may also be the major reason for the patients to refuse this treatment plan. There are several donor sites where we can get bone ring graft. Chin has the advantages of easy handling, big volume and good bone quality, as well as the disadvantages of more trauma and nerve damage. Palatine has the advantages of less trauma and good bone quality, as well as the disadvantages of less quantity and difficult manipulation. Retromolar area has the advantages of less trauma and easy handling, as well as the disadvantages of less quantity and more cortical bone. Nasal floor has the advantages of good bone quality and less trauma, as well as the disadvantages of less quantity and risk for root damage of neighbor teeth. Artificial bone ring is another choice to replace autogenous bone ring. However, the effectiveness and long-term results of artificial bone ring need more study and long-term follow-up to verify. This presentation will explain the features of different source of bone ring graft by different kinds of cases.

**Hands-On Workshop Topic: Bone ring technique to reconstruct vertical defect around implant**

A short lecture about indication, clinical procedure and key protocol of bone ring technique. Workshop is to Create bone defect in anterior region of edentulous mandibular model. Get bone ring from chin and use the implant to fix bone ring graft at recipient site.
Jodi Deming, RDH (USA)
Jodi started practice as a dental hygienist in 1988. In the early 1990's frustrated with the understanding of the etiology of periodontal disease she became involved with biofilm research. As a clinical research associate Jodi was involved with biofilm growth and therapeutic product development evaluating the effect on dental biofilms. Understanding biofilms, she developed a passion about non-surgical therapy, root morphology, and the results of thorough periodontal debridement. Jodi has worked 28 years mastering non-surgical periodontal therapy techniques and procedures. She currently works in both periodontic and prosthodontic practices.

Jodi is a national and international educator, clinician, and lecturer; recognized for her expertise in endoscopic, hand and ultrasonic instrumentation, she has presented over a 150 lectures and workshops on advanced integration of these technologies. Jodi has served as adjunct faculty at Spear Education and the University of Southern California, School of Dentistry Department of Dental Hygiene. She is a Friends of Hu-Friedy Thought Leader; valued for her involvement with biofilm research, instrument development and training.

Topic: The quest for optimal patient care and viable solutions for implant maintenance
In this lecture, you will learn about the science behind biofilm management and some of the latest approaches to help you conquer subgingival biofilm. Learn why “biofilms” best describe the oral microbial communities, identify the characteristics and behaviors of biofilms. Acquire information about the new disease model: Poly-microbial Symbiotic and Dysbiosis – beyond the red complex. And most importantly, understand how the scientific evidence of biofilm impacts new treatment options, technology choices and viable solutions for implant maintenance in our quest to provide optimal care for all our patients.

Dental Hygiene Workshop Topic: Improve your quality of non-surgical periodontal therapy and implant maintenance
Join us for this fast-paced hands-on workshop which provides you with the science behind biofilm management and introduces you to some of the latest technologies to help you win the battle against subgingival biofilm. Learn why “biofilms” best describe the oral microbial communities, identify the characteristics and behaviors of biofilms. Most importantly, experience glycine powder air polishing and piezoelectric ultrasonic scaling technology to assist you in your quest to provide optimal care for your patients. You won’t want to miss it!
Abdelsalam Elaskary, BDS (EGYPT)
Dr. Elaskary graduated from university of Alexandria, Egypt, and completed his residency in the hospital of Alexandria dental school. He is the founder of the Elaskary & Associates clinic and educational institute located in Alexandria, Egypt. Since 1993 he authored three published text books that includes his new book: Advances in Esthetic Implant Dentistry. Dr. Elaskary is currently the president of the Arab society of oral Implantology.

Topic: Clinical management of aesthetic complications with dental implants.
A clinical step by step guide that touches the daily practice of every clinician performing dental implants service especially in the aesthetic zone, a unique detailed clinical overview of related treatment complications with dental implant therapy that includes: poor diagnostic skills, regenerative complications, with emphasis on the potential risk factors that might escalate the failure rate, and the various implant placement errors and the potential treatment complications that occurs along with immediate implant therapy in the aesthetic zone. This course will focus on how to identify, avoid and treat potential treatment complications using various novel methods: using autogenous composite grafts, multidisciplinary treatment intervention, using laminar bovine bone sheets, using the combination treatment protocol for treatment of gingival recession around dental implants, and special emphasis on the author’s philosophy on bone grafting predictability on a long term follow up.
Alfonso Gil, DDS (USA)

Dr. Gil received his DDS degree at the University of the Basque Country in Spain. He received two Scholarships, one by the University of the Basque Country and another one by Proclinic Dental Company, to complete his postgraduate training. Dr Gil completed his residency in the Advanced Periodontology Program at USC and in the Implant Center in UCLA. He is now enrolled in a 4 year program in the Department of Fixed Prosthodontics in the University of Zurich. He is an active member of the following academies: AAP, AO, WSP, SEPA, and EAO where he has presented multiple research posters in Implant Biomechanics, use of PRF in the Extraction Socket and Soft Tissue Grafting with the VISTA Technique.

**Topic: Treatment options for gingival recession on teeth and implants**

Diagnosis, predictive factors and surgical treatment options of gingival recession around teeth and implants. Explanation of the current state of the literature and presentation of multiple clinical cases.
Naoki Hayashi, RDT, MDC (USA)
Mr. Hayashi graduated from Osaka Dental University (Japan) in 1992. Soon after graduation he worked in the National Dental Laboratory in Japan. Among other major accomplishments, are Naoki’s two publications, “A Diary - Through the Lens”, published by Quintessence publishing in 2005 and “Past << Future - Envision 77 Heart Beats - “, published by Ishiyaku Publishing in 2010. Both publications are very useful guides for dentists and technicians. He has also published over 30 articles, several of which are translated into nine languages published all over the world. Currently Mr. Hayashi works as a master ceramist and is the president of Ultimate Styles Dental Laboratory in Irvine, CA. In addition to his lab work, he conducts lectures & workshops all over the world. He shares his knowledge and skills by offering many hands on workshops and teaches current trends in dental technology and treatment planning. He is also an international instructor and advisor for Kuraray Noritake Dental Inc., a dental supply company. Naoki works to continuously utilize the best methods for esthetic porcelain restorations to achieve the best results, exceeding the dentist’s expectations and meeting their patients’ esthetic needs.

Topic: Rivaling natural teeth esthetics using contemporary ceramics fine arts.
With esthetics playing a major role in treatment plans, restorations are almost unacceptable if they are not esthetically magnificent. Dentists and dental technicians have the potential to lighten the future of all patients by brightening up their smiles. It only requires a mere fraction of their time to permanently provide a positive result for the rest of their patients’ life. We need to keep in mind that our work is very crucial to give patients healthier results, also always including esthetic elements. However “Esthetic elements” are very ambiguous words because each patient has their own beauty to seek. Some patients are looking for artificially perfectly made beauty; other patients are looking for a very natural restoration just like their own teeth that has their own perfect characteristics. In any case, we have to study a lot from natural teeth and there are many methods to create the restorations. Furthermore, many kinds of materials are available in dentistry today. Therefore we must fabricate our restorations to what looks like natural teeth. Additionally our considerations are not only hard tissue for restorations. More importantly we need to consider the soft tissue for achieving best esthetic treatment results when we create the restorations. It is no exaggeration to say that the treatments of esthetic restorations pursue in harmony with the soft tissue. In other words, I can say that esthetic dentistry is a battle with Soft tissue. A successful treatment result entails an esthetically acceptable restoration that subtly blends with the remaining teeth. At the same time, however, the patient must see a dramatic change as a result of this restoration. This lecture will present the diagnostic clinical discussions and then move on to the proper steps to attain unified goals between patients, doctors, and technicians through our daily clinical cases.
Markus Hürzeler, DMD, PhD (GERMANY)

Dr. Hürzeler received his D.M.D. degree in 1984 from the University of Zürich, his certificate as specialist in Periodontics from the Swiss Society of Periodontology in 1989, the certificate in Prosthodontics from the German Society of Prosthodontics in 1991. Then, he spent two years at the University of the Houston, Texas, Dental Branch as a Visiting Associate Professor on the Department of Periodontology from 1991-1993. After returning to Freiburg, Germany he obtained in 1996 the Docent (PhD) degree from the Department of Prosthodontics at Albert-Ludwigs University in Freiburg Germany. He then moved to Munich, Germany, where he has been working ever since in private practice together with his partner Dr. Zuhr limiting his activity to periodontics and implant therapy. In 2002 he became Professor of Dentistry from the Medical Department of Albert-Ludwigs University in Freiburg Germany. In 2008, he founded the Huerzeler/Zuhr Education Center with his partner Dr. Zuhr in which they teach their concepts and philosophy in today’s dentistry. Since 1993 he is Clinical Associate Professor at the University of Texas, in Houston and since 1997, he is an Associate Professor at Albert-Ludwigs University in Freiburg Germany, Department of Preventive Dentistry and Periodontology.

He is an active member of the European Academy of Esthetic Dentistry (EAED). Dr. Hürzeler has produced more than 150 scientific publications within the field of implants, periodontology, and tissue regeneration and he lectures and gives courses regularly, both nationally and internationally, on topics related to periodontics and implant therapy. In 2012 he published with his partner Dr. Zuhr the worldwide known book: Plastic-Esthetic Periodontal and Implant Surgery - A Microsurgical Approach.

**Topic: Treatment of soft tissue deficiency around implants – a new approach**

The goal of any esthetic treatment option is the natural appearance, harmonious transitions between tissue structures, and the absence of scarring in the esthetic zone. The treatment techniques of choice to achieve those endpoints predictably could only be incision-free “tunnelling techniques”. But can the tunneling technique as it is done around natural teeth give the same predictable results around dental implants?

Another disadvantage of the tunneling technique represents the fact that it needs to be done with a soft tissue substitute. Different soft tissue substitutes (i.e. autogenous, xenogenic, and allogenic grafting materials) are used today.

In this presentation the difference in the execution of the tunnelling technique around teeth and implants will be demonstrated. In addition, the use of different autogenous connective tissue will be presented.

**Cadaver Workshop Topic: Modern periodontal and implant therapy**

Learning the principles of microsurgical concept: the new instruments; new suture material and new suturing techniques: harvesting free gingival graft, harvesting subepithelial connective tissue graft on cadaver. Flap designs: full-thickness flap; split-thickness flap on cadaver. Coronally position flap on the cadaver. Tunneling technique on the cadaver.
Kian Kar, DDS (USA)
Dr. Kar is Clinical Director of the Advanced Periodontology Program at USC and a full time faculty member teaching post-doctoral and pre-doctoral dental students in Clinical Periodontology and Implant Dentistry. Dr. Kar is recipient of the Mellon Mentorship Award from the USC and recipient of the AAP teaching Award. Dr. Kar has served as guest editor for the Journal of CDA. He is Board Certified of the ABP and an active member of the AAP, AO, ADA, the CDA, OCDS, and CSP. He maintains a part-time practice limited to Periodontics and Dental Implant Surgery in Mission Viejo, CA and USC Faculty Practice.

Topic: Inflammatory Periodontal Diseases and System Link
Periodontal disease is classified as a chronic inflammatory disease initiated by bacterial biofilm in a susceptible host. The host inflammatory response to specific and non-specific bacterial challenges is the common link amongst several chronic inflammatory diseases. Management of periodontal inflammation not only improves oral and dental health but also can influence the overall well being of the patient who is affected by inflammatory periodontal disease.
Baldwin Marchack, DDS, MBA (USA)
Dr. Marchack is a 1971 graduate of the Herman Ostrow School of Dentistry of USC. In 1989 he received his MBA from the Anderson Graduate School of Management at UCLA. Dr. Marchack is a Fellow of the American College of Dentists, a Fellow of the International College of Dentists, and a Fellow of the Pierre Fauchard Academy. He is a member of the Academy of Prosthodontics, the International College of Prosthodontists, the Academy of Osseointegration and the Newport Harbor Academy of Dentistry. He is past-president of the American Prosthodontic Society, past president of the Pacific Coast Society for Prosthodontics, past-president of the American Academy of Esthetic Dentistry and past president of the Osseointegration Study Club of Southern California. Dr. Marchack was inducted as an Honorary Member of the American College of Prosthodontists at its annual meeting in 2012. He serves on the Board of Councilors at the Herman Ostrow School of Dentistry of USC, and is Adjunct Assistant Professor at Georgia Regents University, School of Dentistry. Dr. Marchack is currently the Chair of the Editorial Council for the Journal of Prosthetic Dentistry, and he maintains a private practice in Pasadena, California.

Topic: Facts, Failures and Fairy Tales
Patients today are increasingly aware of dental implants, and their expectations are for esthetically and functionally pleasing implant restorations that mimic natural teeth.

This presentation will focus on current prosthetic procedures and protocols, and question whether evidence is available to assist us in avoiding failures and complications in the future

The presentation will seek to separate fact from fiction, and will be of interest to both the experienced and the novice practitioner as it will result in effortless decision making and will enable the restorative dentist to not only collaborate better with the implant surgeon but to direct and assist the laboratory technician in the design of each implant restoration with confidence.
Ziv Mazor, DMD (ISRAEL)

Prof. Ziv Mazor is one of Israel’s leading periodontists. He graduated from the periodontal department at the Hadassah School for Dental Medicine in Jerusalem, where he served as a clinical instructor and lecturer for undergraduate and postgraduate dental students.

Since 1993, Prof. Mazor has been engaged in clinical research in the field of Bone Augmentation and Sinus Floor Elevation. He is currently participating in the quest for improving and evaluating new grafting materials, using various growth factors as well as researching “osseodensification” - a paradigm shift in dental implantology. Prof. Mazor is a renowned author in dental implantology, and is known worldwide for his innovative approaches in cutting-edge procedures and technologies. He is a world known speaker and has lectured extensively bot nationally and internationally.

Prof. Mazor is part of the continuing education faculty at the New York University and an Associate Professor at Titu Maiorescu University in Bucharest, Romania. He conducts and moderates advanced international implantology courses and workshops. He is the past President of the Israeli Periodontal Society.

Prof. Mazor maintains a private practice limited to periodontal and implant dentistry in Ra’anana, Israel.

Topic: Ridge Atrophy Treatment Concepts utilizing Osseodensification and Blood Derived growth Factors

Dental Implants had become an optimal solution for replacing missing teeth. Long term studies validate this treatment option in single as well as complete edentulous patients.

Bone resorption sometimes makes implant placement a difficult task both in anterior as well as posterior regions demanding advanced surgical regenerative procedures. In some situations it requires long term treatment with an unpredictable prognosis.

The presentation will focus on the concept of using new innovative treatment approaches as well as unconventional surgical manipulations dealing with the atrophic ridge.

The new concept of osseodensification will be presented enabling the clinician to preserve existing bone and enhance the outcome through a minimal invasive approach. Osseodensification is a novel, bio-mechanical, non-excavation osteotomy preparation method. Unlike traditional bone drilling technologies, osseodensification does not excavate bone tissue. Rather, it preserves bone bulk, so bone tissue is simultaneously compacted and autografted in an outwardly expanding direction to form the osteotomy.

The presentation will show step by step procedure of this minimal invasive innovative technique with long term follow ups of both clinical and CBCT radiographs. It will highlight the benefits of this treatment modality compared to the existing techniques.
Peiman Mehrar, DDS (USA)
Dr. Mehrar was born and raised in Shiraz, Iran. He obtained dual DDS degree from Iran and United Arab Emirates, and was practicing as a general dentist prior to arriving the United States. Dr. Mehrar has completed one year of AEGD residency in Miami before joining the USC periodontology program.

Topic: Risk Assessment & Role of Supportive periodontal therapy in periodontology
The purpose of this chapter is to discuss the risk factors in periodontal patients and basics of continuous patient monitoring following active periodontal therapy in order to prevent re-infection and progression of periodontal disease following therapy. The mode and extent of interceptive therapeutic measures needed to achieve this goal will also be evaluated.

Patients susceptible to periodontal disease are at high risk for re-infection and progression of periodontal lesions without meticulously organized and performed SPT. Since all patients who are treated for periodontal diseases belong to this risk category by virtue of their past history, an adequate maintenance care program is of utmost importance for a beneficial long-term treatment outcome. SPT has to be aimed at the regular removal of the subgingival microbiota and must be supplemented by the patient’s efforts for optimal supragingival plaque control.

A functional diagram in Periodontal Risk Assessment (PRA) will help the clinician and Hygienist in determining the risk for disease progression on the subject level. This tool is very useful in customizing the frequency and content of Supportive Periodontal Therapy (SPT) visits.
Richard Miron, BMSC, MSc, PhD, DDS (SWITZERLAND)
Dr. Miron is currently 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 130 peer-reviewed articles and lectures internationally on many topics relating to growth factors, bone biomaterials and guided bone regeneration. 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 in 2016, the IADR Young Investigator of the Year in the field of Implant Dentistry in 2015, and the American Academy of Implant Dentistry (AAID) Young Investigator grant award in 2014.

**Topic: Next generation biomaterials for periodontal and bone regeneration.**
Recently our ability to accurately describe biological events that take place during bone regeneration has drastically been improved by advancements made in the fields of cell and molecular biology. The present talk will discuss the future field of osteoinductive materials including the recent advancements made in synthetic osteoinductive bone grafts. Furthermore, the development of a liquid formulation of enamel matrix derivative (Osteogain) for bone and periodontal regeneration, as well as the bone-inducing properties of BMP9 will be discussed. Lastly, advancements in centrifugation protocols will be presented as key modifications to platelet rich fibrin (PRF) therapies.
**Anna Matsuishi Pattison, RDH, MS (USA)**

Anna received her BS degree in Dental Hygiene from the University of Southern California and her MS in Dental Hygiene from Columbia University. She was an Associate Professor at USC for over forty years, has served as Chair of the Department of Dental Hygiene and is an internationally recognized speaker on Advanced Periodontal Instrumentation. She is co-author of Periodontal Instrumentation and has contributed to the last seven editions of Glickman’s and Carranza’s Clinical Periodontology. She is the former Editor-in-Chief of Dimensions of Dental Hygiene and is currently the Co-Director of the Pattison Institute. In 2005, she received the Pfizer-ADHA Excellence in Dental Hygiene Award, the USC School of Dentistry Alumnus of the Year Award and in 2006 she received the California Society of Periodontists Award. In 2010 she was inducted into the USC School of Dentistry Hall of Fame.

**Topic: Innovations in Periodontal and Implant Instrumentation**

This presentation will update you on the latest hand instruments and ultrasonic inserts/tips for periodontal initial scaling and maintenance. The newest titanium mini-bladed hand instruments for implants and ultrasonic tips for implants will be shown and compared to subgingival air polishing with glycine and subgingival irrigation with antimicrobials.
Giulio Rasperini, DDS, PhD (ITALY)
Dentist, Specialized in Orthodontics. Active Member of the Italian Society of Periodontology (SIDP), of the Euro- pean Academy of Esthetic Dentistry (EAED), full member of the British Academy of Aesthetic Dentistry (BAAD). He is a member of the Editorial Board of the Int J Perio Res Dent. Dr. Rasperini is author of several publications focused on Periodontology and Implantology and winner of few Awards for research. Associate Professor in Periodontology, University of Milan, Milan, Italy. Adjunct Clinical Associate Professor University of Michigan MI USA.

**Topic: Possibilities, Limits, and Sequences of the Periodontal Therapy in Severely Compromised patients**
In the last years the aesthetic demand from the patients has become the biggest challenge in Periodontology as well as in implant dentistry. Besides functional results is now important to achieve aesthetic success, particularly in the anterior areas, where the expectations of the patients are even higher.

The introduction of new biological concepts, biomaterials and new surgical techniques during the last years, such as Growth Factors, new Scaffolds, different minimally invasive approach and Papilla Preservation, makes possible to answer to the patient’s demands and change the prognosis of compromised teeth with predictable long term results.

The Sequence of treatment, when other dental field are involved, such as Ortho, Prosth, is a key factor to success.

A decision making of different clinical situation, based on the evidence will be analyzed during the presentation and the procedures will be shown in details.

**Cadaver Workshop Topic: Flap management for periodontal and implant site regeneration**
Coronally advancement of the flap is frequently needed in the clinical scenario. We need it for vertical and horizontal bone regeneration, for regenerative perio and implant procedures and mucogingival aesthetic surgical techniques. To know and visualize the anatomical limits such as nerves and vessels while incisions are performed, is mandatory to prevent and avoid possible surgical complication. during the hands on all these anatomical limits will be explored and analysed.
Fernando Rojas-Vizcaya, DDS, MS (SPAIN)

Dr. Rojas is Adjunct Assistant Professor in the Department of Prosthodontics at the University of North Carolina in Chapel Hill, NC. He is the Founder and Director of both; the Mediterranean Prosthodontic Institute and BoneModels, and maintains a private practice limited to dental implant surgery and prosthodontics in Castellon, Spain, and he lectures extensively worldwide.

Dr. Rojas received his DDS degree at the University Javeriana School of Dentistry in Bogota, Colombia, South America. He received a Doctorate in Buccal Surgery and his University Specialty Degrees in both; Oral Medicine and Implant Surgery at the University Complutense in Madrid. He received his Certificate training in Oral Surgery at Gregorio Marañon Hospital in Madrid, Spain.

Dr. Rojas completed his post-graduate specialty degree in Prosthodontics along with a Master of Sciences Degree in Prosthodontics, and a Fellowship in Oral Implantology at the University of North Carolina in Chapel Hill, USA.

He is a Diplomate and Mastership of the ICOI-IPS, and he has the homologation by the European Jury for Implantology and Oral Rehabilitation. His major research interest includes esthetic management in complex dental implant cases in immediate placement and immediate loading protocols.

**Topic 1: The Virtual Implant Patient (VIP) protocol**

In simple or complex restorations and in both, partially or totally edentulous patients, the success of the case is to return the patient’s oral function and facial esthetics, displayed in a beautiful smile that follow the established esthetics parameters. The appropriate treatment plan begins with the display of the desired smile, provided by a specific position of the planned teeth, with the correct lip support. A comprehensive treatment plan, that incorporate the prosthesis, surgery and biology is the key for the success. The physical, 2D or 3D approaches can be followed for the treatment plan. This presentation will focus in the 3D protocol, to create a “Virtual Implant Patient” (VIP protocol) for a comprehensive treatment plan and to be able to pre-visualize the final outcome, before start the treatment. The VIP protocol will be presented in step-by-step format.

**Topic 2: The three “S” for the maxillary esthetic case; Smile, Simplant and SmartFix**

The mix of smile design, computer-guided surgery and the SmartFix concept, is a way to transform complex cases into simple, predictable and esthetic cases. In this presentation, all the surgical and prosthetic aspects will be presented in detail.

**Hands-On Workshop Topic: SmartFix concept of immediate loading**

After extensive treatment planning, where the face and smiles are used as key factors to determine the 3D tooth/implant position, prosthetically guided protocol will be applied to perform bone and soft tissue sculping using tilted posterior and axial anterior implants, together with 17º and 30º Multibase Abutments to obtain esthetic and functional immediate loaded prosthesis.
Gelareh Ronaghi DDS (USA)
Dr. Ronaghi graduated from University of British Columbia, Canada with a Bachelor in Computer Sciences and received his dental degree from the University of Sydney, Australia in 2010. During her dental degree program Dr. Ronaghi was awarded with the Leonard Hansen Undergraduate Research Prize from the Australian Dental Research Foundation. She went on and received her Certificate in Advanced Prosthodontics from University of Southern California in 2014. Dr. Ronaghi main attributions are to teach at the USC Advanced Program in Advanced Prosthodontics, Advanced Operative and Adhesive Dentistry, preclinical and clinical teaching in Prosthodontics for our DDS program.

Topic: Zirconia restorations in daily practice
Zirconia balances strength and esthetics in all-ceramic restorations. CAD/CAM technology allows the restorative dentist to mill and deliver full-arch zirconia restorations. This session will review the essentials for planning, designing, and delivering full-arch zirconia restorations.
Neimar Sartori, DDS, MS, PhD (USA)
Dr. Sartori is an Assistant Professor of Clinical Dentistry at the Herman Ostrow School of Dentistry of USC., in the Division of Restorative Sciences. He is also Assistant Director of the Advanced Program in Operative Dentistry and an Associate Editor of Quintessence of Dental Technology. Dr. Sartori received his DDS degree from the Federal University of Santa Catarina, Florianopolis, Brazil, in 2005. He then obtained his MS and Certificate in Operative Dentistry in 2008 and his PhD in Dentistry Biomaterials in 2011 from the Federal University of Santa Catarina. He was a visiting Research Scholar at both Case Western Reserve University in 2010 and the Herman Ostrow School of Dentistry of USC in 2011. Dr. Sartori has been serving as a reviewer for several journals and has published nationally and internationally on esthetic and adhesive dentistry. His research focuses on preventing bonding degradation of the adhesive interface formed between dental structures and restorative materials.

Topic: Clinical challenges in adhesive rehabilitation.
Cutting-edge technology, materials and techniques have increased treatment options for both single unit restorations and full-mouth rehabilitations. Novel materials and restorative techniques allow clinicians to achieve excellent long-term esthetic outcome with maximum preservation of the dental structures. This lecture provides clinical and scientific overview for selecting reliable adhesive strategies to rehabilitate complex full-mouth cases using CAD/CAM technology.
B. Michelle Strange, RDH, BHS, MSDH (USA)
Michelle has been a clinician in dentistry since 2000 and currently is a practicing hygienist, surgical assistant, speaker, volunteer, educator, lead clinical educator for TePe Oral Health Care, Inc., and podcast co-host for "A Tale of Two Hygienists". She has a Master’s in Dental Hygiene education, a belief in lifelong learning, and a passion for helping patients be successful at-home with a patient-centered approach.

**Topic: Reducing Failures: At-home maintenance as the cornerstone of implant therapy**
In today’s dentistry, we are giving patients a viable option for tooth replacement, but we must remember: treatment of dental implants does not end after the surgical or restorative phases. Creating an at-home maintenance program that is tailored to the patient and their dental implant(s) is key. Depending on the patient’s motivation, dexterity, physical capabilities, and type of prosthetic, there can be many ways to maintain their dental implant at-home. Understanding the latest research and products that will help create long-term success for your patients is essential.
Giorgio Tabanella DDS, MS (ITALY)

Dr. Tabanella is a Diplomate of the American Board of Periodontology and Active Member of the Italian Academy of Esthetic Dentistry. He graduated from the University of Southern California-Los Angeles-USA where he obtained the Certificate in Periodontics as well as the Master of Science in Craniofacial Biology. Dr. Tabanella lectures in Europe, Asia, Middle East, South Africa as well as in the US on implant and periodontal surgery, aesthetic management in dental implant and periodontal therapy, peri-implant bone remodeling, soft and hard tissue reconstruction around natural teeth and implants as well as the re-treatment of failures. He maintains a private practice in Rome, Italy where he also holds advanced courses and live surgeries on tissue regeneration and re-treatment of implant failures for a limited numbers of participants.

Topic: A simplified protocol in GBR and soft tissue boosting for the retreatment of failures in dental medicine.

Implant dentistry is continuously evolving, offering new and more predictable forms of therapy with minimally invasive protocols for tissue regeneration and decreased treatment time. These protocols can be also applied to complex clinical cases when trauma to teeth, periodontitis as well as iatrogenic dentistry result in a ridge defect that precludes straightforward implant therapy.

Esthetic challenges can be even more relevant when tissue reconstruction needs to be performed in areas adjacent to teeth with a reduced periodontium since the impaired blood flow due to the disease can reduce the biological potential for Guided Bone Regeneration. The key to successful implant dentistry is the clinician’s ability to provide adequate volume and quality of bone and mucosa to the recipient site. This requires a precise diagnostic evaluation based on knowledge, CBCT 3D reconstruction and surgical skills.

Once the volume of the deficiency has been properly registered, the appropriate bone grafting technique can then be selected. The desire is to utilize the least invasive and most conservative techniques needed to get the required results. The periodontal aspect of treating these advanced clinical cases, current science and methodologies for the optimization of esthetics will be described. This presentation will focus on concepts to augment tissues around implants using strategies for soft and hard tissue augmentation including considerations about the proper surgical planning but also the challenge of reducing the overall treatment time. Our ability to provide function, esthetics and long lasting results is dependent on our diagnosis as well as our therapeutic treatment design. The combined periodontal and implant protocols to alter the hard and soft tissue profile around natural teeth and implant will be the key to “Biomimetics”.

Topic: A simplified approach for advanced Guided Bone Regeneration and soft tissue boosting around dental implants.

The predictability of bone grafting is directly proportional to the amount of bone that is enclosing the space. Of course, the gross size of the defect itself is a critical factor for its treatment and for the healing time. It is evident that the smaller the gap that needs to be bridged by new tissue, the easier it is to fill. A defect spanning a single tooth or with mild horizontal bone loss has a very good prognosis and a reduced healing time, while one spanning two or more teeth or with advanced horizontal or vertical deficiency garners a good prognosis only if planned and executed properly as well as the time needed for tissue healing and maturation is taken into consideration.

This hands-on course will highlight in detail the process of site evaluation, critical anatomy, flap design, harvest techniques, suturing and the required armamentarium to perform Guided Bone Regeneration. Starting from the principles of bone regeneration, the course will show simple to complex cases in the esthetic areas. Full HD surgical videos as well as clinical pictures will emphasize anatomical and surgical details of donor and recipient sites. Every surgery will be explained step-by-step in order to provide in-depth training for the participants in the manipulation of peri-implant tissues.

The hands-on session will give participants awareness of performing tissue augmentation from a periodontal perspective. Long-lasting and esthetic results will be based on surgical key factors, which are critical for achieving optimal biomimetics. A new simplified protocol for GBR as well as peri-implant soft tissue management will be emphasized.
Stephen Wallace, DDS (USA)
Dr. Wallace is a graduate of Boston University School of Graduate Dentistry with a certificate in Periodontics. He is Associate Professor at Columbia University Department of Periodontology and a Diplomate of the International Congress of Oral Implantology and a Fellow of the Academy of Osseointegration. He lectures in the United States and abroad on dental implantology and periodontics. He is the author of journal articles and textbook chapters on implantology and co-editor of sinus elevation textbook. He is the recipient of the American Academy of Periodontology 2013 Master Clinicians Award. Dr. Wallace maintains a private practice limited to Periodontics in Waterbury, CT.

Topic: Maxillary sinus elevation: Some things I have learned in 40 years
Lateral window maxillary sinus elevation has been part of our armamentarium for 40 years. Many changes have occurred in the procedure in response to demands for surgical simplification, higher procedural success rates, reduced complication rates and development of minimally invasive Procedures. This presentation will focus on protocol changes that satisfy these demands. Changes in grafting strategies, surgical techniques along with the development of more predictable transcrestal techniques have for the most part satisfied these demands. If you offer sinus elevation as a treatment option, you will always have to be able to perform a lateral window.

Hands-On Workshop Topic: Maxillary sinus elevation
This full day cadaver course will consist of a morning didactic session and a hands-on laboratory session. The morning session will be clinically related covering sinus anatomy, multiple surgical techniques, and complication management through slides and videos. Featured will be Piezosurgery, still today considered the best surgical modality while offering the lowest complication rate. Cadaver workshops offer the opportunity to compare different treatment modalities in the next-best-thing to live surgery.
Homayoun Zadeh, DDS, PhD (USA)
Dr. Zadeh is Associate Professor and Director of the post-doctoral periodontology program at the University of Southern California and a Diplomate of the American Board of Periodontology. Dr. Zadeh directs the Laboratory for Immunoregulation and Tissue Engineering (LITE) at USC, dedicated to studying basic mechanisms to regulate bone and tissue regeneration/destruction under health/disease states, as well as conducting clinical trials of dental implant outcomes. His clinical research interests involve studies on minimally-invasive surgery and tissue engineering. He maintains a part-time private practice limited to Periodontology and Implants in Southern California.
Registration
43rd Annual USC International Periodontal & Implant Symposium
Millennium Biltmore Hotel, 506 South Grand Avenue., Los Angeles, CA 90071-2607
Please make checks payable to USC School of Dentistry and mail to: 925 W. 34th St, Rm 201J. Los Angeles, CA 90089.
You can also call 213.821.2127 or fax 213.740.3973 to register. Online registration at: dentalcontinuingeducation.usc.edu
For special room rate, please call hotel reservation at 213.612.1575 (mention: 1801PERIOS/Perio Symposium)

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Vegetarian ☐ Yes ☐ No Would you be interested a webinar of this course? ☐ Yes ☐ No

☐ Friday - Saturday, January 26 - 27, 2018 - General Sessions. (Millennium Biltmore)
Before 1/5/18: Dentist $625, Allied Professional $530, Faculty $530, Student $145
After 1/5/18: Dentist $695, Allied Professional $590, Faculty $590, Student $195
* Tuition includes option to attend Dental Hygiene Forum

☐ Saturday, January 27, 2018 - Dental Hygiene Forum, 9:00am - 3:15pm (Millennium Biltmore)
Before 1/5/18: Dentist and Allied Professional $175, Faculty and Student $115
After 1/5/18: Dentist and Allied Professional $195, Faculty and Student $135

☐ Dental Hygiene Workshop, Saturday, January 27, 2018, 3:30pm - 5:30pm.
Improve your quality of non-surgical periodontal therapy and implant maintenance. (Jodi Deming)
Before/After 1/5/18: Allied Professional $105/$125

Cadaver Workshops at USC: 8:00am - 5:00pm (USC School of Dentistry)
Dentist $1,995 Per Workshop

☐ Wednesday, January 24, 2018, 8:00am - 5:00pm.
Flap management for periodontal and implant site regeneration. (Giulio Rasperini)

☐ Thursday, January 25, 2018, 8:00am - 5:00pm.
Modern Periodontal and Implant Therapy. (Markus Hürzeler)

☐ Sunday, January 28, 2018, 8:00am - 5:00pm.
Maxillary Sinus Elevation. (Stephen Wallace)

Hands-On Workshops at the Biltmore: 4:00pm - 6:00pm (Millennium Biltmore)
Dentist $565 Per Workshop

☐ Friday, January 26, 2018, 4:00pm - 6:00pm.
Bone ring technique to reconstruct vertical defect around implant. (Greg Chen)

☐ Friday, January 26, 2018, 4:00pm - 6:00pm.
The SmartFix concept and bone and soft tissue sculpturing prosthetically guided for maxillary rehabilitations.
(Fernando Rojas-Vizcaya)

☐ Saturday, January 27, 2018, 4:00pm - 6:00pm.
A simplified approach for advanced Guided Bone Regeneration and soft tissue boosting around dental implants.
(Giorgio Tabanella)

☐ Saturday, January 27, 2018, 4:00pm - 6:00pm.
Immediate implant placement: Risk assessment, technique, and outcome. (Neema Bakhshalian)

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