

# THE 13TH INTERNATIONAL SYMPOSIUM ON PERIODONTICS & RESTORATIVE DENTISTRY



BOSTON, MASSACHUSETTS | JUNE 6–9, 2019 | BOSTON MARRIOTT COPLEY PLACE



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FEATURING

Periodontal,  
Restorative Dentistry, and  
Implant Therapeutics

CO-CHAIRS:

Myron Nevins, DDS

Marc L. Nevins, DMD, MMSc



## ADVANCE PROGRAM

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# INVITATION



Dear Colleague:

We look forward to welcoming you to Boston for the 13th International Symposium on Periodontics & Restorative Dentistry. We are fortunate to have the program presented by 86 elite clinicians, researchers, and academicians in dentistry.

They, in turn, have fine-tuned their presentations to share their thoughts with a distinguished international audience composed of thought leaders in their own dental communities.

The topics to be presented and debated address clinical therapeutics including periodontics, oral surgery, implantology, orthodontics, and restorative dentistry as they interrelate in multidisciplinary dentistry.

Boston is in full bloom in June and provides an ideal setting for this distinguished program. We are confident that you will return from the symposium to your office, laboratory, or university with a renewed enthusiasm for our profession.

**Myron Nevins, DDS**  
Program Co-Chair

**Marc L. Nevins, DMD, MMSc**  
Program Co-Chair

## ABOUT THE MEETING

Presented by the Quintessence International Publishing Group, publisher of the *International Journal of Periodontics & Restorative Dentistry*, and co-sponsored by the American Academy of Periodontology, this symposium addresses current trends in these dental fields as well as implant and esthetic dentistry. The symposium offers three cutting-edge sessions daily, presented by internationally recognized speakers. Participants can attend any sessions they wish.



FOR MORE INFORMATION OR TO REGISTER,  
VISIT [www.bostonperiomeeting.com](http://www.bostonperiomeeting.com)

# GENERAL INFORMATION

## How To Register

Complete the enclosed registration form (see page 15), including your session preferences, and do one of the following:

- Register online at **www.bostonperiomeeting.com**.
- Mail your form and check for the full registration fee to Quintessence Publishing at the address listed on the form.
- Fax your form with credit card information (Visa, MasterCard, American Express, or Discover) to Quintessence Publishing at (630) 736-3633.
- On-site registration will be accepted only on the basis of space availability and therefore cannot be guaranteed. Early advance registration is strongly recommended.

For additional copies of the registration form or advance program, visit **www.bostonperiomeeting.com**. The deadline for registering for the symposium is May 17, 2019.

## Symposium Registration Desk

Your symposium program packet will await you at the Symposium Registration Desk located on the 4th floor. The desk will be open on June 5 from 1:00 PM to 6:00 PM and beginning at 7:00 AM each day thereafter.

## Cancellations/Refunds

Cancellations made in writing and received by Quintessence on or before May 3, 2019, will be refunded in full. For cancellations received after May 3, 2019, but before the start of the meeting, a cancellation fee of US \$150 will be charged. No refunds will be made after the symposium begins on June 6, 2019. **Please note that for workshops, no refunds will be given for cancellations received after May 3, 2019.**

## Special Presymposium Sessions

The 13th Symposium is expanded with special sessions sponsored by BioHorizons, Geistlich Biomaterials, and Colgate-Palmolive. These special sessions are offered to all symposium participants at no additional cost. In addition, hands-on workshops are being offered at an additional charge. Participation is on a first-come, first-served basis, and attendance for the workshops is limited.

## Continuing Dental Education Credit

This continuing education activity has been planned and implemented in accordance with the standards of the ADA Continuing Education Recognition Program (ADA CERP) through joint efforts between the American Academy of Periodontology and Quintessence Publishing. One hour of CE credit is offered for every hour of program attendance. The American Academy of Periodontology will keep CE records for 6 years. The American Academy of Periodontology and Quintessence Publishing do not send CE credit information to state boards. Meeting attendees are responsible for ensuring that their CE credits are current and on file at their respective state board or other licensing or regulatory agency. (If you live outside of the US and require a certificate, please indicate it on the registration form.) The American Academy of Periodontology is an ADA CERP-Recognized Provider.

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## Conduct at Symposium

If an attendee engages in unacceptable behavior, symposium organizers reserve the right to take any action they deem appropriate, including expelling offending persons from the symposium without further notice or refund. **Photography and video and audio recording are prohibited during the lecture sessions. Cellular telephones and other electronic devices must be turned off or switched to silent mode during the session.** Any attendee who violates these rules will be refused admission to the lecture room.

## Registration Fee

Your registration fee includes admission to all symposium sessions and exhibits, daily coffee breaks, the Wine and Cheese Reception on Thursday, and the Welcome Reception on Friday. Take advantage of specially reduced fees by registering in advance.

	By 1/31/19	After 1/31/19
Full 4-day attendance	US \$898	US \$978
AAP member 4-day attendance*	US \$728	US \$808
Student 4-day attendance*	US \$498	US \$498
Hygienist 4-day attendance	US \$498	US \$498
Hygienist (Thursday only)	US \$248	US \$248

\*See the registration form for qualification requirements.

## Optional workshops (additional registration fee required)

Mauro Fradeani workshop	\$650
Istvan Urban workshop	\$1,350
Marisa Roncati workshops	\$398 each <b>OR</b> \$598 for both
Giovanni Zucchelli workshop	\$1,350
Miguel A. Ortiz workshop	\$750

## Hotel Reservations

The Boston Marriott Copley Place, selected as the official hotel for the symposium, is offering a special rate to symposium participants. The Boston Marriott Copley Place is located in the city's charming and fashionable Back Bay area and is adjacent to Copley Place Shopping Galleries. The hotel is about 5 miles from Logan International Airport.

**Hotel rooms have been blocked, and reservations at the special symposium rate will be accepted until the cut-off date at 6:00 PM on May 17, 2019, or until the room block is sold out, whichever comes first. Therefore, it is recommended that you reserve your room as early as possible.** To make your reservations, please call the hotel reservation desk directly at (877) 901-2079 or reserve online at: **https://aws.passkey.com/go/ISPRD2019**.

Be sure to indicate the name of the symposium ("ISPRD 2019") to receive the special meeting rate of US \$329 per night (single/double rate). All rooms must be guaranteed by a deposit or a major credit card. Individual cancellations must be made at least 48 hours prior to the date of arrival.

## Technical Exhibits

Technical exhibits will be held Thursday through Saturday. Visit the exhibits to observe the latest developments in dental products offered by the leading manufacturers. Exhibit hours are:

Thursday, June 6, 2019	9:30 AM–6:30 PM
Friday, June 7, 2019	9:30 AM–6:00 PM
Saturday, June 8, 2019	9:30 AM–5:30 PM



# POSTER PRESENTATION

## Call for Posters

A poster session will be held during the symposium at the Boston Marriott Copley Place to stimulate and recognize innovative clinical research in the fields of periodontics, restorative dentistry, and implant dentistry. Those interested in presenting a poster are encouraged to apply. Thirty posters will be selected for presentation during the symposium. The three best poster presentations will be awarded prizes. Each team selected to present a poster during the symposium must have at least one person officially registered to attend the symposium.

## Application for Entry

Abstracts can be submitted for entry using the abstract link at [www.manuscriptmanager.net/isprd](http://www.manuscriptmanager.net/isprd). This link will become active on September 3, 2018. The abstract should be a thorough yet concise description of the poster presentation (not to exceed 300 words). Each poster presentation should have one lead author, who will be responsible for correspondence and communicating any further instructions and requirements to the team. Lastly, be sure to indicate any commercial support or conflict of interest at the end of the abstract, if applicable.

Entry deadline: March 6, 2019



## Awards

Cash awards of \$1,500, \$1,000, and \$500 will be given to the first-, second-, and third-place winners, respectively. In addition, each award winner will receive a recognition plaque and a refund of the symposium registration fee. The winners will be announced during the Welcome Reception on Friday evening in the Grand Ballroom.

## AAP FOUNDATION INVITATION TO GOLF OUTING

As an attendee of the 13th International Symposium on Periodontics & Restorative Dentistry, you are invited to an exclusive golf outing hosted by the AAP Foundation and Dr Myron Nevins.



Join the AAP Foundation the day before the symposium, Wednesday, June 5, for a fun round of golf at the 104-year-old Donald Ross–designed Kernwood Country Club. Executive coaches will depart the Boston Marriott Copley Place at 7:00 AM, returning after golf, lunch, and the awards presentation.



Your fee includes:

- Round trip transportation from the Boston Marriott Copley Place
- Greens fees
- Continental breakfast
- Lunch
- Complimentary golf accessory

For more information, or to register, call Dana Camacho at (312) 573-3257 or email [dana@perio.org](mailto:dana@perio.org). All proceeds benefit the AAP Foundation, a 501(c)(3) nonprofit organization dedicated to serving the needs of periodontists and their patients.

# PROGRAM AT A GLANCE

## Thursday, June 6

Session	Time	Title
Session I	8:00 AM–5:00 PM	Sustainable Implant Tissue Esthetics with Innovative Bioengineering
Session II	8:00 AM–5:00 PM	Predictable Regenerative and Esthetic Outcomes
Session III	8:00 AM–5:00 PM	Precision Dentistry: Preparing for the Future
Workshop I	8:00 AM–12:00 PM	A Step-by-Step Approach to Treatment Planning: The Operative Sequence for a Successful Rehabilitation: An Educational Workshop with Mauro Fradeani
Workshop II	8:00 AM–4:00 PM	Vertical and Horizontal Augmentation of the Atrophic Alveolar Ridge: A Hands-On Workshop with Istvan Urban
Workshop III	8:00 AM–12:00 PM	Nonsurgical Periodontal Therapy: Novel Modified Technique and New Protocols: A Hands-On Workshop with Marisa Roncati
Workshop IV	1:00 PM–5:00 PM	Peri-implant Diseases: Nonsurgical Periodontal Approach: A Hands-On Workshop with Marisa Roncati
Workshop V	9:00 AM–6:30 PM	Soft Tissue–Guided Implant Therapy: A Hands-On Workshop with Giovanni Zucchelli
Workshop VI	8:00 AM–5:00 PM	Dental Photography Course: A Hands-On Workshop with Miguel A. Ortiz
Reception	5:00 PM–6:30 PM	Wine and Cheese Reception (Exhibit Hall)

## Friday, June 7

Session	Time	Title
Session I	8:00 AM–5:00 PM	Optimizing Esthetic Implant Surgery
Session II	8:00 AM–5:00 PM	Breaking the Glass: Ceramics Today and Tomorrow
Session III	8:00 AM–12:00 PM	Clinical Strategy of Tooth Versus Implant
Session IV	1:00 PM–5:00 PM	Advances in Adult Orthodontic Treatment
Reception	6:30 PM–8:30 PM	Welcome Reception (Grand Ballroom)

## Saturday, June 8

Session	Time	Title
Session I	8:00 AM–5:00 PM	Interface of Surgery, Materials, and Biology
Session II	8:00 AM–5:00 PM	Bone Augmentation for Site Development
Session III	8:00 AM–5:00 PM	The Resolution of Implant Restorative Challenges

## Sunday, June 9

Session	Time	Title
Session I	8:00 AM–2:45 PM	Exploring Successful Limits for Recession Treatment
Session II	8:00 AM–2:45 PM	Preventing and Managing Peri-implantitis
Session III	8:00 AM–2:45 PM	Facial Esthetics and the Digital Revolution

## SESSION I • 8:00 AM–5:00 PM

**Craig Misch, DDS, MDS, Moderator**

### Sustainable Implant Tissue Esthetics with Innovative Bioengineering

The stability of the peri-implant soft tissue is one of the most significant parameters in obtaining an esthetic restoration with long-term implant success. Many factors, including bone quality, tissue thickness, implant design, surface technology, and restorative techniques, can affect the stability of the peri-implant soft tissue. This session will explore how these factors are interrelated and how they can be harnessed for optimal implant tissue esthetics.

**Sonia S. Leziy, DDS, Dip Perio and Brahm Miller, DDS, Dip Pros**

The Complete Digital Flow in Implant Dentistry: A Major Breakthrough in Treatment Planning, Surgical Procedures, Provisionalization, and Final Restorations

**Dennis P. Tarnow, DDS**

The Interdental Papilla Dilemma: Where Are We Today?

**Andrew Ferrier, DDS**

Tissue Management for the Full-Arch Immediate Loading Patient

#### Objectives

- Learn what factors affect peri-implant soft tissue stability
- Learn strategies for increasing the stability of peri-implant soft tissue to maximize esthetics

**Martin G. Gollner, DDS, Dr med dent**

Predictable and Individual Solutions in Implant Reconstructions: Key Factors for Esthetics and Function

**Lyndon F. Cooper, DDS, PhD**

Harnessing Therapeutic Responses to Enhance Dental Implant Therapy

**Michael A. Pikos, DDS**

Alveolar Ridge Regeneration: Strategies 2019

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## SESSION II • 8:00 AM–5:00 PM

**Myron Spector, PhD, Moderator**

### Predictable Regenerative and Esthetic Outcomes

Whether saving a single tooth or placing a multiunit implant-supported full-arch restoration, rebuilding the volume and quality of hard and soft tissue lays the foundation for a stable, long-lasting, and esthetic outcome. In assessing the lost volume of supportive tissue and determining a path forward, the clinician must consider the availability of autogenous tissue, the health and esthetic expectations of the patient, the size of the defect, and the length and timing of the procedure. This panel will discuss the critical factors that influence diagnostics, site preparation, and choice of biomaterial scaffolds and growth factors and will present surgical techniques that create predictable outcomes. The focus will be on literature-supported treatment options and will draw upon the vast experience

**E. Todd Scheyer, DDS, MS**

Update on Clinical Research Related to Hard and Soft Tissue Regeneration and Implant Placement

**Donald S. Clem III, DDS**

Current Status of Biologics in Periodontal and Dental Implant Surgery

**José Carlos Martins da Rosa, DDS, MSc, PhD**

Immediate Dentoalveolar Restoration—Technique and Bone Biology: 12-Year Follow-up

#### Objectives

- Understand the critical factors that determine regenerative success
- Expand the application of surgical techniques
- Learn to select the appropriate scaffolds and biologics

ence of the panel in delivering reliable and consistent results. Topics will include periodontal regeneration, complexities of the extraction site, expansion of deficient alveolar ridges, and soft tissue management for predictable, functional, and esthetic outcomes.

**Sascha A. Jovanovic, DDS, MS**

Horizontal and Vertical Regeneration of Missing Tissues Using Guided Bone Regeneration and Soft Tissue Grafts in the Esthetic Zone

**Daniel Buser, Dr med dent**

Implant Placement After Single-Tooth Extraction in the Esthetic Zone: When Immediate, When Early, When Late?

**Joseph Y. K. Kan, DDS, MS**

Interdisciplinary Treatment Strategies for Missing Vertical Tissues in the Esthetic Zone

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SESSION III • 8:00 AM–5:00 PM

**Ray C. Williams, DMD, Moderator**

## Precision Dentistry: Preparing for the Future

Throughout the last two decades, considerable insight has been gained into how unique each patient is regarding their susceptibility to disease and response to treatment. We now view each patient individually and try to identify factors that may give us insight into the personal needs of the patient. For example, patients who smoke, have diabetes, or have a family history of periodontal disease present special challenges for prevention and treatment. This understanding of personal risk and susceptibility for each patient will continue to emerge as new insight is gained. These new findings are strongly aligned with the future of health care—a future in which dentistry and medicine seek to emphasize the four Ps of health care: predictable, preventive, personalized, and par-

**Joseph P. Fiorellini, DMD, DMSc**

Clinical Innovations in Periodontics and Implant Dentistry

**Gustavo Avila-Ortiz, DDS, PhD, MS**

Management of the Extraction Site: State of the Art and Future Directions

**Pamela K. McClain, DDS**

When to Save and When to Extract Periodontally Compromised Teeth

**Hans-Peter Weber, DMD**

Dental Implants: The Panacea of Modern Dentistry

### Objectives

- Review recent evidence regarding precision medicine
- Learn specific clinical applications of precision medicine concepts

ticipatory. New evidence suggests that we should be able to precisely target our prevention and treatment strategies to better care for each of our patients. This session will examine advances in understanding individual susceptibility in order to maximize the precision of our patient care.

**William V. Giannobile, DDS, DMSc**

Precision Medicine in Periodontology: How to Translate Research Innovations into Personalized Care

**Paul S. Rosen, DMD, MS**

Evolutionary Trends in the Clinical Management of Inflammatory Diseases

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# PRESYMPOSIUM WORKSHOPS | THURSDAY, JUNE 6

HALF-DAY EDUCATIONAL WORKSHOP • 8:00 AM–12:00 PM

*Additional fee required.*

## A Step-by-Step Approach to Treatment Planning: The Operative Sequence for a Successful Rehabilitation

**Mauro Fradeani, MD, DDS**

This presentation will discuss the fundamentals required to accomplish a pleasing, functional, and long-lasting esthetic outcome: treatment planning, team collaboration, understanding the patient's needs, and the selection of restorative materials. An ideal treatment plan often can be created only through a team effort involving the concerted action of various specialists. Cooperation among the orthodontist, periodontist, implant clinician, oral and maxillofacial surgeon, and dental technician is often a determining factor in the successful outcome of the most complex prosthetic cases. Thanks to digital technology, it is now possible to simplify many steps of the treatment plan, thus further improving the predictability of the success of the rehabilitation. Participants

### Objectives

- Create an ideal esthetic and functional treatment plan with a digital approach
- Select the appropriate technique and ceramic material when approaching a full-mouth rehabilitation
- Learn innovative operative protocols with minimally invasive prosthetic procedures for long-lasting esthetic and functional results

will learn how to achieve excellent esthetic and functional results for complex and extensive rehabilitations using an effective step-by-step approach and minimally invasive prosthetic procedures.

*Attendance is limited to 50 participants. Refreshments will be provided.*

## ALL-DAY HANDS-ON WORKSHOP • 8:00 AM–4:00 PM

*Additional fee required.*

## Vertical and Horizontal Augmentation of the Atrophic Alveolar Ridge

**Istvan Urban, DMD, MD, PhD**

This clinically oriented hands-on course will provide a complete review of atrophic alveolar ridge augmentation, from the biologic principles of bone grafting to the surgical anatomy and surgical protocols that are the keys to successful vertical and horizontal ridge reconstruction. The biology of graft incorporation into the host bone as well as the predicted long-term clinical outcome will be detailed. The hands-on practice provides an in-depth understanding of ridge augmentation surgery: Flap design, graft and membrane placement, effective flap mobilization, and double-layer sutures will be demonstrated. Management of the distortion of the mucogingival junction will also be discussed and practiced.

**Objectives**

- Understand the biology of incorporating a bone graft
- Understand the surgical anatomy of the floor of the mouth
- Learn the surgical principles of ridge augmentation surgery
- Learn the surgical principles of reconstruction of the vestibule as well as the keratinized tissue after ridge augmentation

*Attendance is limited to 40 participants. Refreshments will be provided during the morning and afternoon breaks. Lunch will be on your own.*

## HALF-DAY HANDS-ON WORKSHOP • 8:00 AM–12:00 PM

*Additional fee required.*

## Nonsurgical Periodontal Therapy: Novel Modified Technique and New Protocols

**Marisa Roncati, RDH, DDS**

This workshop will begin by evaluating the limits and achievements of nonsurgical periodontal therapy, with special focus on initial probing depths  $\geq 6$  mm, distinguishing pocket depth and clinical attachment loss outcomes in single- or multirooted teeth, and 10-year follow-up results. The use of modified subgingival debridement techniques, state-of-the-art technologies, the cause-related laser-assisted periodontal nonsurgical approach, and clinical *modus operandi* will be fully described using video and numerous highly educational illustrations. Clinicians should be aware of and avoid instrumentation errors such as calculus burnishing. Calculus detection, site-specific instrumentation, modified subgingival debridement techniques, cause-related laser-assisted nonsurgical periodontal therapy,

**Objectives**

- Learn how to diagnose peri-implant mucositis and peri-implantitis
- Learn effective implant surface decontamination and cause-related laser-assisted nonsurgical peri-implant therapy
- Learn multiple nonsurgical antimicrobial approaches and nonsurgical protocols in cases of peri-implant mucositis and peri-implantitis

and novel materials will be used on study and animal models during this hands-on workshop.

*Attendance is limited to 35 participants. Refreshments will be provided.*

## HALF-DAY HANDS-ON WORKSHOP • 1:00 PM–5:00 PM

*Additional fee required.*

## Peri-implant Diseases: Nonsurgical Periodontal Approach

**Marisa Roncati, RDH, DDS**

Nonsurgical treatment has been proven quite successful for peri-implant mucositis. While it is not as predictable in cases of progressive and irreversible bone loss, nonsurgical treatment that is specifically tailored to the individual patient's needs is recommended as the first therapeutic phase. In these cases, the nonsurgical approach can have satisfactory long-term outcomes or can help to prolong the survival rate of severely compromised implants. This workshop will present clinical images, drawings, and videos of long-term cases that exemplify the concepts of nonsurgical treatment. Professional comprehensive subgingival debridement techniques and novel

**Objectives**

- Demonstrate cause-related therapies such as calculus detection, site-specific instrumentation, and full-mouth debridement with modified techniques
- Describe laser-assisted periodontal nonsurgical treatment
- Learn multiple nonsurgical antimicrobial approaches and nonsurgical protocols in cases of peri-implant mucositis and peri-implantitis

materials and protocols will be used on study and animal models during this hands-on workshop.

*Attendance is limited to 35 participants. Refreshments will be provided.*



## ALL-DAY HANDS-ON WORKSHOP • 9:00 AM–6:30 PM

*Additional fee required.*

### Soft Tissue–Guided Implant Therapy

**Giovanni Zucchelli, DDS, PhD**

New knowledge in soft tissue surgical management allows for esthetic coverage in gingival recession using minimally invasive connective tissue grafts. A novel application of connective tissue grafts can improve both esthetics and regenerative parameters in Miller Class IV gingival recessions and vertical bony defects in the esthetic area. Recession of the buccal soft tissue margin is a frequent complication of well-integrated dental implants. The appearance of metallic structures or even their visibility through the thin buccal soft tissues is a common cause of esthetic complaints from patients. Soft tissue plastic surgical procedures, particularly bilaminar techniques, can be successfully used in combination with pre- and postsurgical prosthetic approaches to increase the volume of the interdental soft tissue, treat buccal gingival recessions and soft tissue dehiscence around dental im-

#### Objectives

- Describe the step-by-step surgical procedures for root coverage
- Describe the difference between treating natural teeth and implant treatments
- Describe short- and long-term outcomes

plants, and provide the new implant-supported crown with an esthetic transmucosal emergency profile. A new mucogingival approach applied to delayed or immediate postextraction implant placement and loading will be presented.

*Attendance is limited to 40 participants. Refreshments will be provided during the morning and afternoon breaks. Lunch will be on your own.*

## ALL-DAY HANDS-ON WORKSHOP • 8:00 AM–5:00 PM

*Additional fee required.*

### Dental Photography Course

**Miguel A. Ortiz, DMD**

This hands-on workshop will cover the fundamentals of dental photography in a small group learning environment. It will begin with the fundamentals of general photography (aperture, shutter speed, field of depth, and ISO). Once those concepts are understood, the class will move on to white balance, exposure mode, camera metering, and exposure compensation, followed by group sessions and hands-on practice. Special focus will be given to file types, use of histograms, macro-photography, light sources, and the use of camera accessories. After the basic concepts of photography and camera usage are mastered, participants will turn their attention to how those concepts are applied in dental photography. Participants will learn the full clinical intra- and extraoral photographic protocol, followed by portrait photography, artistic photography, and laboratory photography. Cameras, accessories, and meals will all be provided in order to facilitate

#### Objectives

- Learn and master the basic principles of photography
- Understand the concepts of photographic lighting, macro-photography, and photographic accessories
- Learn and master the principles of intraoral, perioral, and portrait photography
- Engage in several hours of hands-on dental and artistic photography

a dynamic, immersive, and intimate learning experience for participants. By the end of this workshop, every participant will be able to say that they are a dental photographer.

*Attendance is limited to 25 participants. Breakfast, lunch, and refreshments will be provided.*

*Social  
Event*

### Wine and Cheese Reception

**5:00 PM–6:30 PM**

Following the conclusion of the special presymposium sessions, a wine and cheese reception will be held in the Exhibit Hall located on the 3rd floor.

## SESSION I • 8:00 AM–5:00 PM

**Paul Fugazzotto, DDS, Moderator**

### Optimizing Esthetic Implant Surgery

Optimal esthetic implant therapy is dependent on surgical results that provide adequate bone for healthy dental implant osseointegration and volume of soft tissue to frame the implant-supported crown restoration. This program will present various approaches and techniques to increase the predictability of dental implant treatment in the esthetic zone. Extraction socket management, immediate implants, and regenerative techniques for hard and soft tissue will be presented. Current research will provide evidence for therapeutic approaches, which will be supported by long-term clinical results.

**Christoph H. F. Hämmerle, Prof Dr med dent**

Practical Concepts to Successfully Correct Soft and Hard Tissue Defects Based on Scientific Evidence and Clinical Skills

**Ueli Grunder, DMD**

Optimizing Esthetic Implant Surgery Augmentation Procedures: The Detail Makes the Difference

**Burton Langer, DMD, MSc**

Surgical Modifications to Avoid and Correct Esthetic Defects Around Implants

#### Objectives

- Discuss methods for achieving optimal hard and soft tissue volume during implant treatment in the esthetic zone
- Present evidence-based approaches and techniques for increasing the predictability of treatment
- Discuss strategies for optimal immediate implant treatment

**Marc L. Nevins, DMD, MMSc**

Implant Esthetics: Surgical Predictability With Growth Factors

**Robert F. Faulkner, DDS**

Esthetic Dentistry and Dental Implants: Controversies, Compromises, and Challenges

**Maurice Salama, DMD**

Minimally Invasive Tooth Replacement Strategies in the Esthetic Zone: The Evolution of New Age Concepts

## SESSION II • 8:00 AM–5:00 PM

**Jacinthe Paquette, DDS, Moderator**

### Breaking the Glass: Ceramics Today and Tomorrow

The use of ceramic technologies continues to evolve. This program will provide an overview of the current state of the art of dental ceramics. The clinicians will present their various approaches and provide scientific rationales for their choices of different biomaterials for specific treatment challenges. CAD/CAM technology will be contrasted with conventional clinical and laboratory procedures.

**Robert R. Winter, DDS**

Ceramic Restorations: Esthetics Versus Durability

**Kenneth A. Malament, DDS, MScD**

Changing Objectives in Periodontal Prosthetic Rehabilitations

**Konrad H. Meyenberg, Dr med dent**

The Missing Anterior Tooth—Minimally Invasive Concepts: Adhesive Bridge or Implant?

#### Objectives

- Discuss the current state of the art of dental ceramic technology
- Present various clinical approaches and their scientific rationale
- Contrast CAD/CAM technology with conventional procedures

**Mauro Fradeani, MD, DDS**

The Combination of Strategic Factors for a Successful Prosthetic Rehabilitation

**Markus B. Blatz, DMD, PhD, Dr med dent habil**

The Science and Art of CAD/CAM Ceramics

**Stefano Gracis, DMD, MSD**

Selection of Prosthetic Material in the CAD/CAM Era

## SESSION III • 8:00 AM–12:00 PM

**Chris Richardson, DMD, MS, Moderator**

### Clinical Strategy of Tooth Versus Implant

The ability to regenerate the periodontium for dentate sites is too often overlooked in favor of alternative treatment with dental implants. Given the common occurrence of peri-implant complications and disease, it is paramount to understand the extent of periodontal regeneration that can be predictably achieved. This session will present algorithms for decision-making regarding whether to save the tooth or place an implant. Regenerative techniques with appropriate biomaterial and growth factor selection will be presented.

**Giano Ricci, MD, DDS, MScD**

Save the Natural Dentition or Place an Implant?

**Tomohiro Ishikawa, DDS**

Keys for Periodontal Regeneration Success in Challenging Sites

#### Objectives

- Present a detailed rationale for deciding when to save teeth and when to place implants
- Discuss strategies for periodontal regeneration in compromised sites

**Giulio Rasperini, DDS**

Possibilities, Limits, and Sequence of Periodontal Therapy in the Severely Compromised Patient

## SESSION IV • 1:00 PM–5:00 PM

**Nicholas M. Dello Russo, DMD, MScD, Moderator**

### Advances in Adult Orthodontic Treatment

Dentofacial orthodontic therapy can greatly enhance the health, function, and preprosthetic foundation of the dentition. This program will focus on adult orthodontic treatment planning and decision-making. Multiple approaches will be presented, including comparative techniques of conventional versus clear aligner therapy.

**David Sarver, DMD, MS**

The Puzzle of Interdisciplinary Treatment—The Systematic Approach

**Marianna Evans, DMD**

The Perio-Ortho-Airway Connection

#### Objectives

- Discuss treatment planning and decision-making for adult orthodontic treatment
- Examine how clear aligner therapy fits into current treatment modalities

**Frank Celenza, DDS**

Ortho-Perio Treatment in the Aligner Age

*Social  
Event*

### Welcome Reception

**6:30 PM–8:30 PM**

Relax after a busy day of lectures by spending a fun evening with friends both old and new. A welcome reception will be held in the Grand Ballroom located on the 4th floor, giving you the perfect opportunity to network with your colleagues.

## SESSION I • 8:00 AM–5:00 PM

**Sergio De Paoli, MD, DDS, Moderator**

### Interface of Surgery, Materials, and Biology

There is continual evolution in the design, biomodification, and surface treatment of dental implants. Often the commercial speed to market is faster than the research can support. This panel will present a comprehensive evaluation of past, current, and future dental implant/biomaterial interfaces and guide the clinician toward predictable treatment solutions. Long-term results achieved following biologic principles will be presented.

**Massimo Simion, MD, DDS**

Long-Term Results of Guided Bone Regeneration with Machined or Roughened Implant Surfaces

**Craig Misch, DDS, MDS**

Evolving Concepts in Bone Augmentation for Implant Placement

**Myron Nevins, DDS**

The Pursuit of Excellence: Esthetics Longevity—Teeth and Implants

#### Objectives

- Discuss the evolution of implant/biomaterial interfaces
- Present long-term treatment results based on biologic principles

**Ernesto A. Lee, DMD**

SMART Minimally Invasive Bone Grafting: An Innovative Solution for the Management of Esthetic Zone Defects

**Tomas Albrektsson, MD, PhD**

Buildup and Breakdown of Osseointegration

**Dennis P. Tarnow, DDS**

Immediate Versus Delayed Socket Management: What We Know, What We Think We Know, and What We Don't Know

## SESSION II • 8:00 AM–5:00 PM

**Daniel Cullum, DDS, Moderator**

### Bone Augmentation for Site Development

The ability to regenerate bone for dental implant treatment in compromised sites continues to evolve. This session will provide the latest approaches to guided bone regeneration for horizontal and vertical ridge defects. Appropriate biomaterial selection combined with superior surgical techniques allow for predictable osteogenesis for sites once considered hopeless. In addition, minimally invasive approaches for immediate loading in compromised dentate sites will be presented.

**Istvan Urban, DMD, MD, PhD**

Perspectives on Vertical and Horizontal Ridge Augmentation

**Marco Ronda, MD, DDS**

Three-Dimensional Bone Regeneration of Severe Upper Jaw Atrophy

**Mauro Merli, MD, DDS**

Challenges and Solutions in Implant-Prosthetic Therapy: An Interdisciplinary Approach

#### Objectives

- Present current knowledge and approaches regarding ridge defects
- Examine solutions to specific challenges such as severe atrophy
- Discuss treatment alternatives to bone augmentation

**Federico Hernández-Alfaro, MD, DDS, PhD**

Reconstructive Surgery: Where Do We Stand Now?

**Isabella Rocchietta, DDS**

Management of Complications for Severe Vertical Bone Augmentation

**Pietro Felice, DDS, MD, PhD**

Short Implants as an Alternative to Bone Augmentation in the Posterior Atrophic Mandible



## SESSION III • 8:00 AM–5:00 PM

**Stephen M. Parel, DDS, Moderator**

### The Resolution of Implant Restorative Challenges

The emergence of new materials and techniques continues to enhance the results for implant-supported restorations. There are important decisions regarding abutment selection and design that impact tissue contour and determine esthetic results. This program will present options for dental implant abutments and provisional and permanent restorative design. Research on immediate loading for esthetic sites will also be presented.

**David A. Garber, DMD**

The Evolving World of Socket Shield Implantology

**Irena Sailer, Prof Dr med dent**

The “One Crown, One Time” Concept—Does Digital Technology Increase The Efficiency of Implant Therapy?

**German Gallucci, Dr med dent, PhD**

Key Factors for Long-Term Outcomes in Implant Prosthodontics

**Stephen J. Chu, DDS, MSD, CDT, MDT**

A Paradigm Shift in Implant Macro Design

#### Objectives

- Examine how abutment and restorative design affects the esthetic result
- Discuss how to preserve or create ideal soft and hard tissue contours

**Arndt Happe, DDS, PhD**

Establishing the Soft Tissue Apparatus for the Esthetic Restorative Emergence: When and How by Surgical and Restorative Means

**Mari Nakaya, DDS**

Achieving Peri-implant Tissue Stability Using Hard and Soft Tissue Augmentation for Periodontally Compromised Patients

**Mitsuhiro Iwata, DDS, PhD**

Interdisciplinary Therapy to Prevent Peri-implantitis in Patients with Severe Periodontitis

## SESSION I • 8:00 AM–2:45 PM

**Diego Velasquez, DDS, MSD, Moderator**

### Exploring Successful Limits for Recession Treatment

The ability to provide root coverage with predictable, stable results is paramount for long-term periodontal health. The focus of this presentation will be to contrast connective tissue treatment as the gold standard with various treatment alternatives, including minimally invasive tunneling techniques and tissue substitutes such as collagen membrane products and allogeneic tissue grafts. In addition, the benefits of keratinized tissue for dental implants and tissue thickness will be presented.

**Mario Aimetti, MD, DDS**

Allogeneic Amnion and Chorion Tissue or Autogenous Connective Tissue Grafts with Coronally Advanced Flaps for the Coverage of Multiple Adjacent Gingival Recessions: Limits and Benefits

**Edward P. Allen, DDS, PhD**

Applying the Tunnel Technique to Soft Tissue Defects Around Implants

**Tomas Linkevicius, DDS, Dip Pros, PhD**

Soft Tissue Thickness and Esthetics in Implant Treatment

#### Objectives

- Explore esthetic treatment options for gingival recessions
- Discuss appropriate material selection and surgical techniques
- Discuss alternatives to connective tissue treatment

**Laureen Langer, DMD, MSD**

One Size Does Not Fit All!

**Michael K. McGuire, DDS**

Emerging Technologies That Take Us Beyond the Conventional Regenerative Strategies

**Giovanni Zucchelli, DDS, PhD**

Esthetic Correction of Gingival Recession: Teeth and Implants

## SESSION II • 8:00 AM–2:45 PM

**David Kim, DDS, DMSc, Moderator**

### Preventing and Managing Peri-implantitis

The prevalence of peri-implantitis has created a significant problem for clinicians and patients. This presentation will provide treatment options for managing peri-implantitis, including surgical and nonsurgical as well as laser approaches. In addition, criteria to achieve more predictable dental implant treatment and prevent complications will be presented.

**Frank Schwarz, DDS, Dr med dent, PhD**

Tooth Roots as Autogenous Bone Grafts for Alveolar Ridge Augmentation: Biological Rational and Clinical Applications for a New Treatment Concept in Implant Dentistry

**Stuart Froum, DDS**

Decision to Save or Remove the Peri-implantitis-Affected Implant

**Carlo Tinti, MD, DDS, and**

**Stefano Parma-Benfenati, MD, DDS, MScD**

Long-Term Evaluation of Clinical Results After Surgical Treatments

#### Objectives

- Discuss current treatment options for the prevention and management of peri-implantitis
- Present decision-making protocol for determining whether to save or remove affected implants

**Hom-Lay Wang, DDS, MSD, PhD**

Etiological Factors Associated with Implant Complications: How to Avoid? How to Treat?

**Michael S. Block, DMD**

Treatment of Complications in the Esthetic Zone: Restorative and Surgical Considerations

**Eiji Funakoshi, DDS, MSD**

Can We Cure Peri-implantitis?

## SESSION III • 8:00 AM–2:45 PM

**Marc L. Nevins, DMD, MMSc, Moderator**

### Facial Esthetics and the Digital Revolution

The ability to digitally converge diagnostic data and the treatment plan in implementing esthetic dentistry has altered the paradigms of treatment. This presentation will provide guidelines for dentofacial esthetic management. Digital diagnostics, orthodontics, orthognathic surgery, implant treatment, and esthetic dental solutions will be presented. This panel provides a unique opportunity to see the latest advances in dentofacial therapeutics and esthetic dentistry.

**Renato Cocconi, MD, DDS, MS, and**

**Mirco Raffaini, MD, DDS, PhD, MHM**

Interdisciplinary Treatment of the Face and Digital Planning

**Christian Coachman, DDS, CDT**

Complete Digital Workflow for Facially Driven Guided Dentistry

**Wael Att, DDS, Dr med dent, PhD**

Disruptive Technologies in Dentofacial Rehabilitation

#### Objectives

- Review the current state of digital technology in the field of dentofacial esthetic management
- Present methods for incorporating digital technologies into all stages of dentofacial treatment

**Tiziano Testori, MD, DDS**

A Novel Diagnostic/Therapeutic Algorithm in Modern Implantology: The Total Face Approach

**Galip Gürel, DDS, MSc**

The Mock-Up

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## Symposium Registration

<b>Please check one:</b>	<b>By 1/31/19</b>	<b>After 1/31/19</b>
Regular	<input type="checkbox"/> US \$898 (R10)	<input type="checkbox"/> US \$978 (R20)
AAP member* (no. _____)	<input type="checkbox"/> US \$728 (R30)	<input type="checkbox"/> US \$808 (R40)
Student**	<input type="checkbox"/> US \$498 (R50)	<input type="checkbox"/> US \$498 (R50)
Hygienist 4-day session	<input type="checkbox"/> US \$498 (R60)	<input type="checkbox"/> US \$498 (R60)
Hygienist Thursday (1-day session)	<input type="checkbox"/> US \$248 (R70)	<input type="checkbox"/> US \$248 (R70)

\* It is imperative that AAP members submit their membership number. Failure to do so could result in a higher registration fee.

\*\* To qualify for the student rate, participant must provide proof of **current** enrollment in a full-time accredited dental program. Student ID cards will not be accepted.

☐ **If you live outside the US and require a certificate for continuing education, you MUST check this box.**

Symposium Registration Fee \$ \_\_\_\_\_

Optional Workshop Registration Fee \$ \_\_\_\_\_

**Total Registration Fee** \$ \_\_\_\_\_

**Optional Workshop Registration** (Additional fee required)

A Step-by-Step Approach to Treatment Planning:  
An Educational Workshop with **Mauro Fradeani** ☐ US \$650 (R15)

Vertical and Horizontal Augmentation of the Atrophic Alveolar Ridge:  
A Hands-On Workshop with **Istvan Urban** ☐ US \$1,350 (R25)

Nonsurgical Periodontal Therapy: Novel Modified Technique and  
New Protocols: A Hands-On Workshop with **Marisa Roncati** ☐ US \$398 (R35)

Peri-implant Diseases: Nonsurgical Periodontal Approach:  
A Hands-On Workshop with **Marisa Roncati** ☐ US \$398 (R45)

*Both Roncati workshops* ☐ US \$598 (R55)

Soft Tissue-Guided Implant Therapy: A Hands-On Workshop with  
**Giovanni Zucchelli** ☐ US \$1,350 (R65)

Dental Photography Course: A Hands-On Workshop with **Miguel A. Ortiz** ☐ US \$750 (R75)

**I agree to comply with all of the policies, rules, and regulations contained in the Advance Program.**

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DATE \_\_\_\_\_

## Session Preferences

**IMPORTANT!** Marking your session preferences is essential for planning purposes. All sessions are full day unless otherwise noted. (Indicating your preference at this time does not obligate you to attend those sessions.)

Thursday	Friday	Saturday	Sunday
<input type="checkbox"/> <b>Session I:</b> Implant Tissue Esthetics	<input type="checkbox"/> <b>Session I:</b> Esthetic Implant Surgery	<input type="checkbox"/> <b>Session I:</b> Surgery, Materials, and Biology	<input type="checkbox"/> <b>Session I:</b> Successful Recession Treatment
<input type="checkbox"/> <b>Session II:</b> Regenerative and Esthetic Outcomes	<input type="checkbox"/> <b>Session II:</b> Ceramics	<input type="checkbox"/> <b>Session II:</b> Bone Augmentation for Site Development	<input type="checkbox"/> <b>Session II:</b> Peri-implantitis
<input type="checkbox"/> <b>Session III:</b> Precision Dentistry	<input type="checkbox"/> <b>Session III (morning only):</b> Tooth Versus Implant	<input type="checkbox"/> <b>Session III:</b> Implant Restorative Challenges	<input type="checkbox"/> <b>Session III:</b> Facial Esthetics
	<input type="checkbox"/> <b>Session IV (afternoon only):</b> Adult Orthodontics		

## Personal Information

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# SPEAKERS



M. Aimetti



T. Albrektsson



E. Allen



W. Att



G. Avila-Ortiz



M. Blatz



M. Block



D. Buser



F. Celenza



S. Chu



D. Clem



C. Coachman



R. Cocconi



L. Cooper



D. Cullum



S. De Paoli



N. Dello Russo



M. Evans



R. Faulkner



P. Felice



A. Ferrier



J. Fiorellini



M. Fradeani



S. Froum



P. Fugazzotto



E. Funakoshi



G. Gallucci



D. Garber



W. Giannobile



M. Gollner



S. Gracis



U. Grunder



G. Gürel



C. Hämmerle



A. Happe



F. Hernández-Alfaro



T. Ishikawa



M. Iwata



S. Jovanovic



J. Kan



D. Kim



B. Langer



L. Langer



E. Lee



S. Leziy



T. Linkevicius



K. Malament



J. Martins da Rosa



P. McClain



M. McGuire



M. Merli



K. Meyenberg



B. Miller



C. Misch



M. Nakaya



M. L. Nevins



M. Nevins



M. Ortiz



J. Paquette



S. Parel



S. Parma-Benfenati



M. Pikos



M. Raffaini



G. Rasperini



G. Ricci



C. Richardson



I. Rocchietta



M. Roncati



M. Ronda



P. Rosen



I. Sailer



M. Salama



D. Sarver



E. Scheyer



F. Schwarz



M. Simion



M. Spector



D. Tarnow



T. Testori



C. Tinti



I. Urban



D. Velasquez



H. Wang



H. Weber



R. Williams



R. Winter



G. Zucchelli

