

FINAL PROGRAM



AAED 35th Annual Meeting

AUGUST 3-6, 2010

THE RITZ-CARLTON, KAPALUA

MAUI, HAWAII

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RECOMMENDED ATTIRE

All educational sessions will be business/resort casual – ties and sport coats are discouraged. Meeting rooms tend to be cool, so please dress accordingly during the day. Casual beach attire is requested for the President's Welcome Reception, and the closing dinner is resort elegant.

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The American Academy of Esthetic Dentistry is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

AAED designates this activity for 13 continuing education credits.

Concerns or complaints about a CE provider may be directed to the provider or to ADA CERP at www.ada.org/goto/cerp.

All educational presentations will be delivered in a lecture style with a Q&A period.

VERIFICATION OF PARTICIPATION FORMS

To obtain your Verification of Participation Forms for participation in the AAED 35th Annual Meeting, a conference evaluation and attendance form must be completed. These forms can be found in your conference registration materials. Extras are available in the registration area (Ritz-Carlton Ballroom Foyer). AAED will mail or email your official Verification of Attendance confirmation after the meeting.



OUR MISSION

To promote the integration of dental esthetics into the total spectrum of oral health care and provide a leadership role for the profession by defining the highest interdisciplinary clinical, scientific, artistic and ethical standards through research, publications and educational presentations.

2010 ANNUAL MEETING GOALS

- *Highlight evidence-based methods for achieving excellence in esthetic and restorative dentistry*
- *Provide interdisciplinary education and advance knowledge in esthetic, endodontic, prosthodontic, periodontic, orthodontic, surgical and materials aspects of restorative dentistry*
- *Highlight in-depth knowledge in materials selection and ethical considerations in esthetic and restorative dentistry*
- *Create an environment for networking and professional interaction among participants*



Photo by Ron Starr



Photo by Ron Starr



PRESIDENT'S WELCOME

Aloha! It is my distinct pleasure to welcome you to the beautiful beaches of Maui. I'm excited you've chosen to join us at the luxurious Ritz-Carlton Kapalua as we celebrate the 35th anniversary of the American Academy of Esthetic Dentistry.



Our Annual Meetings have a long history of excellence, and this year's event promises to exceed expectations once again. Program chair Dr. Kenneth Malament has brought together an outstanding line-up of world class speakers for the educational program. This year Dr. Richard Roblee is loaning us his expertise as our A/V chair to ensure all runs smoothly. Our local arrangements chairs, Dr. Jacinthe Paquette and my lovely wife Christine Celenza, have gone above and beyond to guarantee that the resort and social events will give us all a taste of this idyllic Hawaiian atmosphere.

I want to extend a sincere thanks to our sponsors, whose commitment to the esthetic dentistry community has helped make this event possible. It is through their continued generosity that we are able to provide quality educational programs, thereby sharing our mission with the entire dental profession.

I would also like to introduce a new evening event this year: Jazz Night. On Wednesday evening, after you have dined at one of the fine establishments on or around the resort, come join your colleagues in the Promenade Ballroom for cocktails and live entertainment. This is the perfect chance to gather with friends in a relaxed atmosphere.

From our island luau welcome reception on the beach, to the new Jazz Night, to the closing reception and dinner event, you'll have the opportunity to experience all the lushness and natural beauty that Kapalua and Maui have to offer during our social events. Both the educational and networking opportunities taking place during this meeting enhance our roles as "ambassadors of information" – allowing us to share our collective expertise through our practices, our research and our places in the world of academia.

The American Academy of Esthetic Dentistry remains committed to providing a leadership role at the forefront of the dental community. I am confident you will be enriched, inspired, and renewed with new energy over the next few days!



Vincent Celenza, DMD
AAED 2010 President

2010 ANNUAL MEETING COMMITTEE

AAED expresses sincere gratitude to the entire AAED 35th Annual Meeting Committee for their hard work and dedication to this event over the past year.



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Kenneth A. Malament,
DDS, MS&D



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FOURTH ANNUAL SILENT AUCTION

We are excited to announce that AAED is hosting our 4th Annual Silent Auction at this year's Annual Meeting. Serving as a mechanism for raising funds to benefit AAED's educational activities, we encourage everyone to participate and help us make this event a great success.

Auction items will be displayed over the course of the meeting, allowing attendees to view the items and place their bids. The successful auction recipients will be announced during the dinner Friday evening. Auction items include vacation packages, artwork and photographs, wine collections, golf outings and numerous educational programs.

Your support of this event will allow AAED to enhance our educational programming endeavors!



SCHEDULE-AT-A-GLANCE

Tuesday, August 3, 2010

12:00 PM	Golf Outing – <i>The Plantation Course, The Ritz-Carlton, Kapalua</i>
4:00-5:00 PM	JERD Editorial Board Meeting – <i>The Board Room</i>
4:00-8:00 PM	Registration Open – <i>The Ritz-Carlton Ballroom Foyer</i>
7:00-10:00 PM	President's Welcome Reception – <i>Beach House at DT Fleming Beach</i>

Wednesday, August 4, 2010

7:00 AM-1:00 PM	Registration Open – <i>The Ritz-Carlton Ballroom Foyer</i>
7:00-7:45 AM	Continental Breakfast – <i>The Ritz-Carlton Ballroom Foyer</i>
8:00-10:00 AM	Spouse/Companion Breakfast – <i>The Banyan Tree</i>
Afternoon	Open Afternoon
Evening	Open Evening
9:00 PM	Jazz Night – <i>The Plantation Ballroom</i>

Wednesday: Day One Scientific Program – The Ritz-Carlton Ballroom

Moderator: *Richard J. Simonsen, DDS, MS*

7:45-8:00 AM	Opening Remarks
8:00-8:35 AM	Bonded Interfaces – An Update <i>Avishai Sadan, DMD</i>
8:35-9:10 AM	Seeking Interdisciplinary Excellence <i>Frank Celenza, Jr., DDS</i>
9:10-9:45 AM	Enhancing Implant Esthetics: The Importance of Provisionalisation and Abutment Design <i>Brahm Miller, DDS</i>
9:45-10:20 AM	Disruptive Innovations: Crafting Affordable Dental Health Opportunities <i>John C. Kois, DMD, MSD</i>
10:20-10:50 AM	Refreshment Break
10:50-11:25 AM	A New Approach for the Rehabilitation of Worn Dentition <i>Daniel Edelhoff, CDT, DMD, PhD</i>
11:25 AM-12:00 PM	Direct Resin-Based Composite Restorations – State-of-the-Art-2010 <i>Gordon J. Christensen, DDS, MSD, PhD</i>
12:00-12:35 PM	Current Concepts of Ceramics in Implant Aesthetics <i>Christian Stappert, DDS, MS, PhD</i>
12:35-1:00 PM	Discussion

Thursday, August 5, 2010

7:00 AM-1:00 PM	Registration Open – <i>The Ritz-Carlton Ballroom Foyer</i>
7:00-7:45 AM	Continental Breakfast – <i>The Ritz-Carlton Ballroom Foyer</i>
1:00 PM	AAED Members Business Meeting – <i>The Plantation Ballroom</i>
Afternoon	Open Afternoon
Evening	Open Evening

Thursday: Day Two Scientific Program – The Ritz-Carlton Ballroom

Moderator: *Richard J. Simonsen, DDS, MS*

7:45-8:00 AM	Opening Remarks
8:00-8:35 AM	Planning a Customized Smile Design <i>Christian Coachman, DMD, CDT</i>

8:35-9:10 AM	Single Tooth Replacement in the Esthetic Zone: Comparison of Outcomes with Different Implant Designs <i>Hans-Peter Weber, DMD</i>
9:10-9:45 AM	Restorative Solutions to Periodontal Problems <i>Sergio Rubinstein, DDS</i>
9:45-10:20 AM	Parameters Influencing Papilla Form Between Adjacent Implants <i>Sonia Leziy, DDS</i>
10:20-10:50 AM	Refreshment Break
10:50-11:25 AM	Implant Papilla Management in the Esthetic Zone <i>Joseph Kan, DDS, MS</i>
11:25 AM-12:00 PM	Innovations for Esthetic Implant Surgery with Growth Factors <i>Marc Nevins, DMD</i>
12:00-12:35 PM	Esthetic Design for Maxillary Complex Cases <i>Fernando Rojas Vizcaya, DDS, MS</i>
12:35-1:00 PM	Discussion

Friday, August 6, 2010

7:00 AM-1:00 PM	Registration Open – <i>The Ritz-Carlton Ballroom Foyer</i>
7:00-7:45 AM	Continental Breakfast – <i>The Ritz-Carlton Ballroom Foyer</i>
Afternoon	Open Afternoon
6:30-10:00 PM	Reception and Farewell Dinner – <i>The Aloha Garden Pavilion</i>



SCHEDULE-AT-A-GLANCE

CONTINUED

Friday: Day Three Scientific Program – The Ritz-Carlton Ballroom

Moderator: *Richard J. Simonsen, DDS, MS*

7:45-8:00 AM	Opening Remarks
8:00-8:35 AM	Endodontics vs. Implants <i>L. Stephen Buchanan, DDS</i>
8:35-9:10 AM	Zirconia for Implant Frameworks? <i>Joerg Strub, DMD, PhD</i>
9:10-9:45 AM	The Interdental Papilla: Where Are We Today? <i>Dennis P. Tarnow, DDS</i>
9:45-10:20 AM	Managing Contact Length and Papilla Height to Optimize Esthetics <i>Frank M. Spear, DDS, MSD</i>
10:20-10:50 AM	Refreshment Break
10:50-11:25 AM	An Esthetic Dilemma: Restoration of Discolored or Metallic Tooth Substrates <i>Robert R. Winter, DDS</i>
11:25 AM-12:00 PM	Adhesive Dentistry: Averting Mediocrity <i>Harald O. Heymann, DDS, MEd</i>
12:00-12:35 PM	The Future of Zirconia Restorations for Natural Teeth and Implants: Indication or Extinction? <i>Baldwin W. Marchack, DDS, MBA</i>
12:35-12:45 PM	Closing Comments



SPECIAL EVENTS & SOCIAL ACTIVITIES

TUESDAY, AUGUST 3

Welcome Reception Luau ■ 7:00-10:00 PM ■ Beach House Lawn

We will open this year's meeting with an amazing island luau Welcome Reception on Tuesday at The Ritz-Carlton's beach house lawn at DT Fleming beach. Don't miss this opportunity to reconnect with old friends and meet new guests while enjoying breathtaking ocean views and traditional Hawaiian entertainment and cuisine. Suggested dress code: casual beach attire.

WEDNESDAY, AUGUST 4

Spouse/Companion Breakfast ■ 8:00-10:00 AM ■ Banyan Tree Restaurant

On Wednesday, registered spouses and children are invited to a special Spouse/Companion Breakfast. A local concierge will be available to answer questions about the area and provide information about optional activities.

Wednesday Evening ■ Open

Wednesday evening will be open for individual dinners and activities. See the companion restaurant recommendations guide or contact the Ritz-Carlton Concierge for more information about area dining.

Jazz Night ■ 9:00 PM ■ Plantation Ballroom

AAED is pleased to host its first ever Jazz Night late-night on Wednesday! Join President Vinny Celenza for amazing entertainment and the perfect opportunity to relax with your AAED colleagues. Snacks will be provided; cash bar will be available. Suggested dress code: resort casual.

THURSDAY, AUGUST 5

Open Evening – Hula Girl Dinner Cruise

Thursday evening is also an open evening. See the companion flyer for AAED's recommended dinner cruise on the Hula Girl, an amazing catamaran experience. Tickets must be reserved in advance. Contact the AAED registration desk for availability of seats.

FRIDAY, AUGUST 6

Closing Reception ■ 6:30-10:00 PM ■ Aloha Garden Pavilion

Say aloha to another phenomenal AAED meeting at Friday night's closing event. Enjoy cocktails, dinner and dancing at this fun, reception-style affair. Suggested dress code: elegant resort attire (leave your tuxedo at home!).

Photo by Ron Starr



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2. The ANKYLOS bonded connector shows no micromovement as shown by Zambelli et al. in a loading situation. *Int J Oral Maxillofac Surg* 2004;33(1):p. 21-25.



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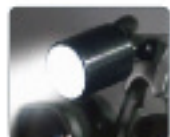
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PRESENTATIONS



AVISHAI SADAN, DMD

Dr. Sadan is Dean and G. Donald and Marian James Montgomery Professor of Dentistry, Ostrow School of Dentistry of USC. He is the former Editor-in-Chief of Quintessence International and Quintessence of Dental Technology (QDT), served on the editorial boards of other journals, and has lectured and published nationally and internationally on esthetic and implant dentistry and biomaterials. He received his training in prosthodontics from the LSU School of Dentistry and has also completed a fellowship emphasizing esthetic and implant dentistry at LSU.

WEDNESDAY, AUGUST 4, 2010

8:00-8:35 AM

Bonded Interfaces – An Update

Avishai Sadan, DMD

With a conservative approach in mind, the restorative team should be able to provide patients with minimally invasive, highly esthetic, and long-lasting solutions. These solutions should take into consideration patient needs and desires, available materials, and clinical approaches.

Novel conservative restorative techniques are able to combine a variety of treatment modalities for a large range of clinical situations. This presentation provides a systematic and scientific approach for selecting esthetic treatment modalities based on original research data with special emphasis on techniques and new materials design and selection.



8:35-9:10 AM

Seeking Interdisciplinary Excellence

Frank Celenza Jr., DDS

Interdisciplinary dentistry is proving to be the most effective means by which we can deliver the highest level of service to our patients. Whether addressing specific cosmetic concerns or providing advanced rehabilitation and restoration, through coordinated efforts at the specialist level, we can raise our game and provide a better end result.

This seminar will communicate to orthodontists, periodontists, prosthodontists, oral surgeons, and all dentists through the demonstration of carefully documented clinical cases and specific literature citing. The forum will provide for a platform upon which we can all begin to communicate and explore some of the latest developments, many of which are very exciting.



FRANK CELENZA JR., DDS

Dr. Frank Celenza is unique in his qualifications in that he is a dual certified specialist, and is active in both the practice and teaching of Periodontics and Orthodontics. Dr. Celenza maintains an active practice on Fifth Avenue in Manhattan, and has been involved in Post-Graduate teaching for nearly 20 years. Dr. Celenza is recognized internationally for his work in the use of implants in conjunction with Orthodontics. He has published extensively and has appeared in many dental congresses both domestically and internationally.

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PRESENTATIONS



BRAHM MILLER, DDS

Brahm Miller received his dental degree from McGill University and completed his post-graduate prosthodontics certification at the Medical College of Virginia. Dr. Miller is a Fellow and Examiner of the Royal College of Dentists of Canada, a Member of the Association of Prosthodontists of Canada, a Member of the British Columbia Society of Prosthodontists and Past President, and a Fellow of the International Congress of Oral Implantologists. Dr. Miller is an Associate Clinical Professor and Sessional Lecturer at the University of British Columbia. He is a member of several editorial boards, lectures extensively internationally and is published on the subjects of ceramics and advanced implant esthetics and restoration, including co-authoring the textbook Interdisciplinary Treatment Planning: Principles, Design, Implementation published by Quintessence in 2008. He maintains a full-time private practice in the Imperio Group Dental Health Specialists with periodontists Dr. Sonia Lezy and Dr. Priscilla Walsh.

WEDNESDAY, AUGUST 4, 2010 (CONTINUED)

9:10-9:45 AM

Enhancing Implant Esthetics: The Importance of Provisionalisation and Abutment Design

Brahm Miller, DDS

Predictable implant esthetics requires precise steps related to a detailed understanding of available tools and the aptitude required to complete these procedures. Every tweak of the system will enhance the long-term outcome of the treatment. In the blueprint for implant success, two areas cannot be overlooked; provisionalisation and abutment selection and design. These two components are closely correlated with both the surgical and restorative phase of implant therapy. This presentation will focus on these essential concepts designed to further the health and stability of implant treatment in the decidedly demanding esthetic zone.



9:45-10:20 AM

Disruptive Innovations: Crafting Affordable Dental Health Opportunities

John C. Kois, DMD, MSD

Affordability and accessibility come from disruptive innovations that enable less expensive care givers, and less expensive venues of care, to become capable of doing progressively more sophisticated things, with equal or better quality than their high-cost counterparts. The instinctive response is to frame disruption as a threat – even though it constitutes an extraordinary opportunity for growth by reaching more people affordably. Scientific progress in imaging, molecular medicine and biochemistry has been shifting diseases along the spectrum from intuitive, then empirical, toward Precision Medicine. Precision diagnosis will take the highest priority and will become one of the most profitable parts of the value chain. The future will be developing Precision Medicine (wellness evaluation) with more predictable solution opportunities. In other words, the concept of diagnosis and treatment planning will become more separate from the services that we render. General practices that are able to provide these separate services with high quality will thrive.

10:50-11:25 AM

A New Approach for the Rehabilitation of Worn Dentition

Daniel Edelhoff, CDT, DMD, PhD

Severe tooth wear is perceived as an ever-increasing problem. Dentists have to manage the question of when to start an adequate treatment modality. The lecture will present a new minimum invasive approach using high-density polymers to accomplish a satisfying medium-term solution for the evaluation of esthetics and function.



JOHN C. KOIS, DMD, MSD

John Kois received his DMD from the University of Pennsylvania, School of Dental Medicine and Certificate in Periodontal Prosthodontics with an MSD degree from the University of Washington, School of Dentistry. He maintains a private practice limited to Prosthodontics in Tacoma and Seattle and is an Affiliate Professor in the Graduate Restorative Program at the University of Washington. Dr. Kois continues to lecture nationally and internationally, is reviewer for the International Journal of Prosthodontics and is a member of the Editorial Board for The Compendium of Continuing Education in Dentistry. Dr. Kois is the recipient of the 2002 Saul Schluger Memorial Award for Clinical Excellence in Diagnosis and Treatment Planning. His memberships to professional organizations include American Academy of Restorative Dentistry and American Academy of Esthetic Dentistry. In addition, he continues to work with restorative dentists at the Kois Center, a didactic and clinical teaching program.



DANIEL EDELHOFF, CDT, DMD, PHD

Daniel Edelhoff is a tenured Associate Professor at the Department of Prosthodontics and Dental Material Sciences at the Ludwig-Maximilians-University in Munich. He is a board certified Specialist in Prosthodontics and Member of the advisory board of the German Society of Dental Prosthetics and Material Sciences (DGZPW) and of the managing committee of the German Association of Oral Implantology (DGI).

PRESENTATIONS



GORDON J. CHRISTENSEN,
DDS, MSD, PHD

Gordon J. Christensen is Founder and Director of Practical Clinical Courses (PCC) in Utah, an international continuing education organization providing courses and videos for all dental professionals. Dr. Christensen has presented over 45,000 hours of continuing education throughout the world and has published many articles and books. Gordon's degrees include: DDS, University of Southern California; MSD, University of Washington; PhD, University of Denver; an Honorary Doctor of Science from Utah State University; and an honorary Doctor of Dental Education and Research from Utah Valley University. Early in his career, Gordon helped initiate the University of Kentucky and University of Colorado Dental Schools and taught at the University of Washington. Gordon is a practicing prosthodontist in Provo, Utah.

WEDNESDAY, AUGUST 4, 2010 (CONTINUED)

11:25 AM-12:00 PM

Direct Resin-Based Composite Restorations – State-of-the-Art-2010

Gordon J. Christensen, DDS, MSD, PhD

This presentation includes a summary of a survey of members and guests at a previous AAED meeting combined with current information on resin-based composite materials, brands, techniques, and usage in 2010. The following and other topics will be included:

- Most used tooth preparations
- Cutting instruments
- Tooth disinfection
- Pulp capping procedures and materials
- Bonding agents
- Flowable resin vs. resin-modified glass ionomer use
- Matrices
- Most adequate brands of resin-based composite
- Relative clinical success of resin-based composite
- Fees
- Attendee preferences for posterior intracoronal and extracoronal restorations



12:00-12:35 PM

Current Concepts of Ceramics in Implant Aesthetics

Christian Stappert, DDS, MS, PhD

Due to their preferred optical and biological properties, all-ceramic materials could be the ideal prosthetic component for tooth- and implant-supported restorations. Yet for some dental ceramics, clinical results unveil limited resistance against fatigue and aging. Existing problems demand reliability and fracture analysis to avoid clinical failures and gain a greater understanding of the preferred clinical application for each ceramic system.

THURSDAY, AUGUST 5, 2010

8:00-8:35 AM

Planning a Customized Smile Design

Christian Coachman, DMD, CDT

The goal is to design a smile that fits the patient's functional and emotional needs. Modern techniques and materials can be useless if the final outcome doesn't achieve the patient's esthetic expectations. The protocol proposed will improve the esthetic diagnosis, communication and predictability of dental rehabilitations.



CHRISTIAN STAPPERT, DDS, MS, PHD

Dr. Christian Stappert is a board-certified Prosthodontist and currently Director of Aesthetics and Periodontal-Prosthodontics at the Department of Periodontology and Implant Dentistry at NYUCD. He is an Adjunct Professor and former Director of the Department of Prosthodontics, Albert-Ludwigs-University Freiburg, Germany. Dr. Stappert is the author of several peer reviewed publications, and an internationally recognized speaker.



**CHRISTIAN COACHMAN,
DMD, CDT**

Dr. Christian Coachman received his dental degree from the University of São Paulo in 2003 and his dental technology certificate from Rocha Marmo School also in Sao Paulo, Brazil. He completed the Dental Ceramic Specialization Program at the Ceramoart training center by Dr. Dario Adolphi. He opened his own laboratory in 1996. Dr. Coachman is a member of the Brazilian Academy of Esthetic Dentistry. He has worked as ceramist for Team Atlanta (Drs. Ronald Goldstein, David Garber, Maurice Salama and Henry Salama) for over 4 years. He has lectured and published internationally in the fields of oral esthetic rehabilitation, dental ceramics and implants.



PRESENTATIONS



HANS-PETER WEBER, DMD

Dr. Weber is the Professor and Chair of the Department of Prosthodontics and Operative Dentistry at Tufts University, School of Dental Medicine, Boston, Massachusetts. He holds dental degrees from the University of Berne, Switzerland, and the Harvard School of Dental Medicine, Boston, as well as Certificates in Prosthodontics and Periodontology from the University of Berne.



SERGIO RUBINSTEIN, DDS

Dr. Sergio Rubinstein received his dental degree in 1980 from the Universidad Tecnológica de Mexico. From 1980-82 he completed a specialty program in Periodontal-Prosthesis at the University of Illinois where he taught until 1992. He has lectured nationally and internationally and has published several articles on Adhesive Dentistry and Implant-Prosthodontics.



SONIA LEZIY, DDS

Sonia Leziy received her dental degree from McGill University and post-graduate degree in periodontics from the University of British Columbia, Canada. She is a fellow of the Royal College of Dentists of Canada (Periodontics) and an associate clinical professor at the University of British Columbia. She maintains a full-time private practice.

THURSDAY, AUGUST 5, 2010 (CONTINUED)

8:35-9:10 AM

**Single Tooth Replacement in the Esthetic Zone:
Comparison of Outcomes with Different Implant Designs**
Hans-Peter Weber, DMD

This lecture will address a number of factors that impact successful treatment outcomes with implant restorations in the esthetic zone. The primary focus will be on the potential influence of implant design and implant/abutment interface configuration on clinical procedures and esthetic results.

9:10- 9:45 AM

Restorative Solutions to Periodontal Problems
Sergio Rubinstein, DDS

Periodontal problems can have an adverse effect on the esthetics of the involved teeth. Several restorative options are available but success is often dependent on cross-disciplinary treatment planning and execution. While esthetically compromised cases can be extremely challenging, this interdisciplinary acumen can salvage the esthetic compromise and offer patients optimum results.

9:45-10:20 AM

**Parameters Influencing Papilla Form Between
Adjacent Implants**
Sonia Leziy, DDS

Developing natural soft tissue esthetics between adjacent implants in the esthetic zone continues to challenge clinicians. This presentation will explore the current views on the influence of different implant placement and restoration protocols, inter-implant spacing, and the impact of emerging implant and abutment designs on gingival architecture and papilla development.



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PRESENTATIONS



JOSEPH KAN, DDS, MS

Dr. Kan completed Prosthodontics and Implant Dentistry from Loma Linda University School of Dentistry. He is currently a Professor and also maintains a practice limited to Prosthodontics and Implant Surgery.



MARC NEVINS, DMD

Dr. Marc Nevins is in the private practice of Periodontics and Implant Dentistry in Boston, Massachusetts. He is a Diplomate of the American Board of Periodontology and is an Assistant Clinical Professor in the Division of Periodontology, Department of Oral Medicine, Infection and Immunity at Harvard School of Dental Medicine. Dr. Nevins is Associate Editor of the International Journal of Periodontics and Restorative Dentistry.



FERNANDO ROJAS VIZCAYA, DDS, MS

Dr. Rojas received his DDS from University Javeriana in Colombia, his Oral Surgery Specialist Degree from University Complutense in Spain and his Certificate and MS in Prosthodontics, and Implant-Fellowship from University of North Carolina. Currently he is Adjunct Assistant Professor at UNC and Director of Mediterranean Prosthodontic Institute in Spain.

THURSDAY, AUGUST 5, 2010 (CONTINUED)

10:50-11:25 AM

Implant Papilla Management in the Esthetic Zone

Joseph Kan, DDS, MS

This presentation will focus on current implant treatment plans, philosophies and methodologies for papilla management for single and multiple adjacent implants in the esthetic zone.

Objectives:

1. Prognostic variables for implant papilla management.
2. Understand factors that govern the existence of papilla.
3. Immediate versus delayed implant placement in papilla management.

11:25 AM-12:00 PM

Innovations for Esthetic Implant Surgery with Growth Factors

Marc Nevins, DMD

This presentation will provide a clinical update on Esthetic Implant Site Development. The utilization of recombinantly engineered, platelet-derived growth factor-BB (rhPDGF-BB) has accelerated the trend toward minimally invasive surgical procedures to preserve and enhance the esthetic foundation for dental implant restorations.

12:00-12:35 PM

Esthetic Design for Maxillary Complex Cases

Fernando Rojas Vizcaya, DDS, MS

This presentation shows a protocol with guidelines to restore complex immediate placement/loading fully maxillary cases using the Most Apical Buccal Bone Level (MABBL) in the esthetic zone as a point of reference for case analysis, design and creation of new pink and white esthetics in order to simplify the treatment plan.

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PRESENTATIONS



L. STEPHEN BUCHANAN, DDS,
FICD, FACD

Dr. L. Stephen Buchanan is a diplomate of the American Board of Endodontics and an assistant clinical professor at the post-graduate endodontic programs at USC and UCLA. He maintains a private practice limited to endodontics and implant surgery in Santa Barbara, California and is the founder of Dental Education Laboratories, a hands-on training center serving general dentists and endodontists upgrading their skills in new endodontic and implant technology.



JOERG STRUB, DMD, PHD

Dr. Strub received his DMD/PhD degrees from the University of Zurich, Switzerland in 1975/1985 and the Dr. h.c. from the National and Kapodistrian University, Athens, Greece, in 2008. Since 1988 he has been Professor and Chair of the Department of Prosthodontics at the Albert-Ludwigs University in Freiburg, Germany.

FRIDAY, AUGUST 6, 2010

8:00-8:35 AM

Endodontic vs. Implants

L. Stephen Buchanan, DDS

Rather than arguing whether endodontic or implant treatments are inherently better, dentists must decide, on a case-by-case basis, what is best for our patients. This lecture by an Endodontist/Implant Surgeon explores the issues associated with unbiased treatment planning and the procedures required for predictable results.

8:35 AM- 9:10 AM

Zirconia for Implant Frameworks?

Joerg Strub, DMD, PhD

CAD/CAM technology in combination with zirconia has gained popularity in implant dentistry. Clinical data confirmed high stability of zirconia for abutments and frameworks for implant borne crowns and bridges. Zirconia abutment or framework damage has rarely been encountered. Veneering porcelain fractures are the most common technical complication. In this lecture, the state of the art of zirconia for fixed implant frameworks will be presented.



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PRESENTATIONS



DENNIS P. TARNOW, DDS

Dennis P. Tarnow, DDS is presently Professor and Chairman of the Department of Periodontology and Implant Dentistry at New York University College of Dentistry. Dr. Tarnow has a certificate in Periodontics and Prosthodontics and is a Diplomat of the American Board of Periodontology. He has a private practice in New York City. Dr. Tarnow has published numerous articles on perio-prosthodontics and implant dentistry and has lectured extensively both in the United States and abroad.



FRANK M. SPEAR, DDS, MSD

Dr. Frank Spear is one of the premier educators in esthetic and restorative dentistry in the world today. He earned his dental degree and an MSD in Periodontal Prosthodontics from the University of Washington. Dr. Spear is an Affiliate Professor in Graduate Prosthodontics at the University of Washington and maintains a private practice in Seattle limited to esthetics and fixed prosthodontics. He is founder and director of Spear Education. Dr. Spear has presented more than 2,000 days of continuing education in North America, Europe and Asia. He has received the Christensen Award for Excellence in Restorative Education, the American Academy of Cosmetic Dentistry Achievement Award, the Schluger Award for Excellence in Diagnosis and Treatment Planning, and the American Academy of Esthetic Dentistry President's Award for Excellence in Dental Education.

FRIDAY, AUGUST 6, 2010 (CONTINUED)

9:10- 9:45 AM

The Interdental Papilla: Where Are We Today?

Dennis P. Tarnow, DDS

The key problem with implants today is deciding the proper treatment plan when two adjacent teeth need to be replaced in the esthetic zone. The research has shown that the papilla between two adjacent implants is shorter than the papilla between two adjacent teeth. This program will discuss the proper treatment plan when confronted with having to replace two adjacent teeth. The biologic reasons for this problem will be discussed as well as possible solutions that can be used now and in the future.

9:45-10:20 AM

Managing Contact Length and Papilla Height to Optimize Esthetics

Frank M. Spear, DDS, MSD

A pleasing smile has many well-defined and extensively analyzed components – incisal edge position, smile line, incisal embrasures, and gingival levels are just a few examples. One area that is not commonly mentioned is the relationship of papilla height relative to contact length in optimizing the ultimate contour and form of our restorations. This presentation will present how this relationship alters our perception of the final crown form and the appearance of the overall smile. It will also address what an ideal papilla height to contact length relationship is in well-aligned, un-restored natural teeth and how un-esthetic relationships between papilla height and contact length can occur. And finally, the necessary diagnostic findings, treatment planning, and treatment options that exist for the alteration of both papilla height and contact length will be explored.

10:50-11:25 AM

An Esthetic Dilemma: Restoration of Discolored or Metallic Tooth Substrates

Robert R. Winter, DDS

The restoration of discolored natural teeth, endodontically treated teeth which have discolored or have metallic cores, or metal implant abutments, can be the most challenging technical dilemma when a natural esthetic outcome is desired. This can be further complicated when adjacent restorations need to be fabricated and there is a variety of tooth preparations, restoration thicknesses, or implant restorations. Clinical and technical protocols will be outlined, and restoration material selection criteria discussed.

11:25 AM-12:00 PM

Adhesive Dentistry: Averting Mediocrity

Harald O. Heymann, DDS, MED

This presentation will separate fact from fiction regarding what works in adhesive dentistry. Self-etching technologies are growing in popularity. But are self-etching adhesives really the answer? What's more important to clinical success, adhesion to enamel or dentin? How can you avoid sensitivity with total-etch adhesives? What clinical factors are critical to success? Get the FACTS based on research, not just opinion and hype.



ROBERT R. WINTER, DDS

Dr. Winter graduated from Marquette University School of Dentistry, and in 1983 completed his Prosthodontic Specialty Residency in Milwaukee, Wisconsin. He maintains a private practice limited to Prosthodontics in Newport Beach, California, and is a member of the graduate prosthodontics faculty at the University of Washington and the University of Southern California, and is on the faculty at Case Western Reserve University School of Dental Medicine.



HARALD O. HEYMANN, DDS, MED

Dr. Heymann is a Professor of Operative Dentistry at the UNC School of Dentistry. He is a Fellow in ICD, ACD, and is a Fellow and Past-President of the American Academy of Esthetic Dentistry. He has authored over 185 scientific publications, given over 1,100 lectures worldwide, is Editor-in-Chief of the Journal of Esthetic and Restorative Dentistry, and has received the Gordon J. Christensen Award for excellence as a CE speaker.



PRESENTATIONS



**BALDWIN W. MARCHACK,
DDS, MBA**

Dr. Marchack graduated from USC School of Dentistry in 1971 and received his MBA from UCLA in 1989. He belongs to numerous professional organizations, including the American Prosthodontic Society, the Academy of Prosthodontics, the Pacific Coast Society for Prosthodontics, the International College of Prosthodontists, the Academy of Osseointegration and the American Academy of Esthetic Dentistry. He is a Fellow of the American College of Dentists, a Fellow of the International College of Dentists, a Fellow of the Pierre Fauchard Academy, and a Fellow of the Academy of General Dentistry. He is the author of numerous articles and has presented over 200 lectures nationally and internationally. He currently serves on the Executive Council of the Pacific Coast Society for Prosthodontics, on the Board of Councilors of the USC School of Dentistry, and is President-Elect of the American Academy of Esthetic Dentistry and the Vice-Chairman of the Editorial Council for the Journal of Prosthetic Dentistry. He maintains a private practice emphasizing restorative and implant dentistry in Pasadena, California.

FRIDAY, AUGUST 6, 2010 (CONTINUED)

12:00-12:35 PM

The Future of Zirconia Restorations for Natural Teeth and Implants: Indication or Extinction?

Baldwin W. Marchack, DDS, MBA

Questions regarding the long-term survival of restorations utilizing zirconia as a substitute for metals continue to spark controversial debates. Studies reporting high failure rates due to veneering-porcelain fractures have postulated numerous causes for the results observed.

This presentation will evaluate various failure modes and discuss whether the possibility exists to design and fabricate restorations for teeth and implants that are functional and practical with acceptable esthetics and predictability.



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This educational forum will comply with appropriate disclosure policies as set forth by the American Dental Association's code of ethics and professional standards. The AAED speakers will verbally disclose any material, financial or other relationships that pose a potential conflict of interest. Such disclosures may also be included in written form within this program. Speakers will also disclose any unapproved use of products or devices that they will be discussing. Disclosure requirements are not intended to imply any impropriety, but rather to inform the audience that they exist.

The following speakers have indicated no potential conflict of interest(s) exist:

Frank Celenza Jr., DDS

Joseph Kan, DDS, MS

Avishai Sadan, DMD

Daniel Edelhoﬀ, DMD, PhD

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Company: Kerr; Relationship: Son is employed by company

Sonia Leziy, DDS

Company: Nobel Biocare; Service: Consultant, Board Member, Speakers Bureau/Lecturer

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Company: Nobel Biocare; Product: Implants and Related Products; Relationship: Speakers Bureau/Lecturer

Brahm Miller, DDS

Company: Nobel Biocare; Product: Implants; Relationship: Consultant

Marc Nevins, DMD

Company: Osteohealth Company; Relationship: Lecturer, Research

Fernando Rojas Vizcaya, DDS, MS

Company: Astra Tech; Product: Implants; Relationship: Speakers Bureau/Lecturer

Sergio Rubinstein, DDS

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Christian Stappert, DDS, MS, PhD

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Joerg Strub, DMD, PhD

Company: Nobel Biocare, Vita, Ivoclar Vivadent, Straumann; Relationship: Consultant, Speakers Bureau/Lecturer, Education/Research/Grant, Honorarium

Dennis P. Tarnow, DDS

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Hans-Peter Weber, DMD

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Company: Ivoclar Vivadent; Product: d.SIGN Ceramics; Relationship: Developed product

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Dr. Camila Sabatini received her DDS degree from the Universidad Central de Venezuela in 2001, her MS and Certificate in Operative Dentistry from the University of Iowa in 2007, and most recently her DDS degree from SUNY at Buffalo in 2010. In 2007, she joined the University at Buffalo, where she now holds the position of Assistant Professor in the Department of Restorative Dentistry. She is a continuing education lecturer, pre- and post-doctoral lecturer, clinical instructor and director of a "Direct Restorative Dentistry" pre-clinical course. Dr. Sabatini's primary interests are in the areas of adhesives, resin composites, esthetics, and bonded porcelain restorations. She has published several abstracts. Dr. Sabatini is a member of national and international organizations and serves as journal reviewer for diverse organizations.

COLOR STABILITY OF CURRENT LIGHT-ACTIVATED RESIN-COMPOSITE RESTORATIVE MATERIALS AFTER POLYMERIZATION

OBJECTIVE: To evaluate color change of a number of recently introduced resin composite systems immediately after polymerization, at 24 hours and one month of storage. **MATERIALS AND METHODS:** Five discs of two thicknesses (1mm/3mm) in two shades (A3/Bleach) were made from Ceram X (Dentsply-Caulk); Filtek Supreme (3M ESPE); Four Seasons, Tetric EvoCeram (Ivoclar-Vivadent); Point 4, Premise (Kerr); Venus (Heraeus-Kulzer); Gracia (GC America); Vit-I-Escence (Ultradent); and Artiste™ (Pentron). The composite was placed in a polytetrafluoroethylene mold of 10mm in diameter and pressed between two glass microscope slides to the thickness of the mold. An LED curing light (Bluephase16i, Ivoclar-Vivadent) was used to polymerize the specimens for twenty seconds. Color measurements were made with colorimeter according to the CIE L*a*b* scale before polymerization, immediately after polymerization, at 24 hours and after one month of storage (100% humidity at 37°C). Three color characteristics were recorded: lightness (L*), red-green (a*), and yellow-blue (b*). All color measurements were performed through the glass slides. Color changes were calculated by the equation: $\Delta E^*_{ab} = [(\Delta L^*)^2 + (\Delta a^*)^2 + (\Delta b^*)^2]^{1/2}$. Two-way analysis of variance (ANOVA) was used to evaluate whether significant differences in color values existed among study groups ($P < 0.05$). A ΔE value of 3.3 and below was set to be clinically acceptable. **RESULTS:** Color change was evidenced for all brands, shades and thickness. The greatest color change was observed immediately after initial polymerization with a change in ΔE that ranged between 2.4 and 12.0. Overall, 3mm specimens displayed greater color change than 1mm specimens ($P < 0.001$) and bleaching shades more color change than A3 shades ($P < 0.001$). Color change after 24 hours and one month were significantly less than baseline. **CONCLUSION:** Overall, unacceptable color changes still occur after initial polymerization of current light-activated resins and clinicians should be aware of these clinical changes.

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Periodontics & Implant Dentistry
Prosthodontics
Prosthodontics
Oral & Maxillofacial Surgery
Periodontics & Implant Dentistry
Periodontics & Implant Dentistry
Prosthodontics
Oral & Maxillofacial Surgery
Dental Technology
Dental Technology
Orthodontics
Restorative Dentistry
Prosthodontics
Periodontics
Periodontics & Implant Dentistry
Prosthodontics
Dental Technology
Prosthodontics

Dental Technology
Periodontics & Implant Dentistry
Orthodontics
Prosthodontics
Periodontics & Implant Dentistry
Pediatric Dentistry
Prosthodontics
Endodontics
Prosthodontics
Prosthodontics
Pediatric Dentistry
Prosthodontics
Prosthodontics
General Dentistry
General Dentistry
General Dentistry
Prosthodontics
Prosthodontics
Prosthodontics
Periodontics/Prosthodontics
General Dentistry
General Dentistry
Orthodontics/Periodontics
General Dentistry
Prosthodontics
Periodontics/Prosthodontics
General Dentistry
General Dentistry
General Dentistry
Prosthodontics
Prosthodontics
Orthodontics
Periodontics/Prosthodontics
Prosthodontics
General Dentistry
Dental Technology
Periodontics & Implant Dentistry
Prosthodontics
Prosthodontics

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General Dentistry

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 Prosthodontics
 General Dentistry
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 Periodontics/Prosthodontics

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1996	Donald E. Arens, DDS, MSD	Aspen, Colorado
1997	David A. Garber, DMD, BDS	Cancun, Mexico
1998	Edwin S. Rosenberg, BDS, HDD, DMD	Philadelphia, Pennsylvania
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