USC 4th International Restorative Dentistry Symposium

Dental Materials: Advantages, Disadvantages and Indications

Friday - Saturday, September 30 - October 1, 2011
8:30 am - 5:00 pm
Davidson Executive Conference Center
University Park Campus
www.uscrestorativedentistrysymposium.org
Dear Friends and Colleagues:

It gives me great pleasure to invite you to the USC 4th International Restorative Dentistry Symposium. The goal of this symposium is to update the dental community on contemporary “hot” topics related to restorative dentistry. The symposium will be showcasing current, evidence-based information, through presentations by nationally and internationally renowned speakers who are opinion leaders, academicians, educators and researchers.

The theme for this year is “Dental Materials: Advantages, Disadvantages, and Indications”. Today’s dental practitioner is faced with having to choose from an ever-increasing array of dental materials that claim to improve all aspects of dental care. As a result, it has become considerably more challenging for the clinician to choose the appropriate dental materials. Some of the topics that will be discussed at this year’s symposium are:

• How are dental materials developed and tested by the dental manufactures prior to becoming commercially available?
• What are the differences between whitening products and their delivery systems, and is the patient’s age a consideration for whitening?
• Where is dentin bonding in 2011 and what is “super-dentin”?
• What are the clinical differences between flowable, bulk-filled, nano-filled, micro-hybrid, and other categories of composite materials? When, where and why should one category be chosen versus another?
• How many different porcelain systems are available; how do they differ and how should we choose the appropriate material?
• What are the differences between implant surface technologies; how are they created and what selection criteria should be used?
• What are the implant materials of the future that are being developed and tested today to create and meet the esthetic demands of our patients?

These topics and more will be discussed by a carefully selected group of nationally and internationally renowned speakers. They will share with you their clinical experiences, research and opinions to provide a better understanding of how materials differ and what are their advantages, disadvantages, indications and contra-indications as they relate to esthetic restorative, adhesive and implant dentistry.

As always, there will be time allocated for open discussion between course participants and the presenters to complete the learning experience.

Until then respectfully,

Abdi Sameni, DDS
Symposium Chairman
Dear Colleagues:

Welcome to the 4th Annual Restorative Symposium at the Ostrow School of Dentistry of USC!

To those of you who have attended this symposium in the past: welcome back. We’re honored that this event has become a valuable yearly opportunity for dentists to come together and discuss the current and most pressing issues in restorative dentistry.

To those of you joining us for the first time: we’re very glad to have you here.

With the emergence of numerous new restorative materials, one should be reminded that there are no “good” or “bad” materials. Each material has its advantages and limitations. This year the symposium provides you, the practitioner, with the opportunity to be exposed to new materials and technologies, and understand what role they may play in your practice.

I encourage you to make the most of the opportunities you have here to make valuable connections with your colleagues and learn from some of the best restorative experts in the nation.

Avishai Sadan, DMD
Dean and G. Donald and Marian James Montgomery Professor of Dentistry
Herman Ostrow School of Dentistry of USC
Speakers

Alexandre-Amir Aalam, DDS (USA)
Roughened Dental Implant Surfaces

Dr. Aalam graduated with a DDS degree from the University of Nice Sophia Antipolis, Nice (France), and specialized in Advanced Periodontics at the University of Southern California, Los Angeles. Dr. Aalam is a Diplomat of the American Board of Periodontology and a Diplomat of the American Board of Oral Implantology. He was the 2002 and 2004 award recipient for both the French and the California Society of Periodontology for his outstanding periodontal graduate student research contribution in the field of implantology. Dr. Aalam is a Clinical Assistant Professor at the Herman Ostrow School of Dentistry of USC. He maintains a private practice in Los Angeles limited to Periodontics and Implant Dentistry and lectures and publishes in the field of dental implants and site development procedures.

Sillas Duarte, Jr., DDS, PhD (USA)
New Advances in Bonded Restoration

Dr. Duarte is a Visiting Associate Professor in the Division of Restorative Sciences, at the Ostrow School of Dentistry of USC. He is the editor-in-chief of Quintessence of Dental Technology (QDT), serves on the editorial boards of several journals, and has published nationally and internationally on esthetic dentistry and adhesion. He has been involved in teaching cutting edge clinical techniques and technologies related to esthetic and adhesive dentistry. His researches focus on bonding to dental structures, composites, and ceramics. His scientific work has been supported by governmental and commercial grants and he serves as a consultant for several manufacturers. Additionally, he has lectured and performed hands-on courses both nationally and internationally on esthetic dentistry and adhesion.

Van B. Haywood, DMD (USA)
Tooth Bleaching Options for the Youngest to the Oldest Patient

Dr. Haywood is Professor in the Department of Oral Rehabilitation, College of Dental Medicine, Georgia Health Sciences University, and Director of Dental Continuing Education. In 1989, he co-authored the first publication in the world on Nightguard vital bleaching (at-home bleaching) with Dr. Heymann, and in 1997 co-authored the first article on extended treatment (six-months) of tetracycline-stained teeth using this technique. He has completed further research and over 135 publications on the NGVB technique and the topic of bleaching and esthetics, including first papers on treating bleaching sensitivity with potassium nitrate, direct thermoplastic tray fabrication, bleaching primary teeth, and caries control with bleaching materials. His book titled “Tooth Whitening: Indications and Outcomes of Nightguard Vital Bleaching”, was published by Quintessence International in 2007.

Edward A. McLaren, DDS, MDC (USA)
Ceramic Update and Appropriated Selection: Which System for Which Case?

Dr. McLaren received his D.D.S. from the University of the Pacific School of Dentistry and his specialty certificate in Prosthodontics from UCLA School of Dentistry. He is a Professor in the Biomaterials and Advanced Prosthodontic department at UCLA. He is also an Adjunct Assistant Professor for the University of Oregon Dental School. Dr. McLaren maintains a private practice limited to prosthodontics and esthetic dentistry. He is the director of the UCLA Center for Esthetic Dentistry and founder/director of the UCLA Master Dental Ceramist program. Dr. McLaren is actively involved in prosthodontic and materials research and has authored many articles. He has presented numerous lectures, hands-on clinics, and postgraduate courses on ceramics and esthetics across the nation and internationally.
David Tobia, MA, PhD (USA)

**Today’s Dental Adhesives - Chemistry, Properties and How These Relate to Clinical Success**

Dr. David Tobia received his Ph.D. in Organic Chemistry from the University of California, Santa Barbara in 1987. Upon graduation, he joined the Kerr Dental Material Research Center as a Staff Scientist responsible for development of novel dental composites. In this capacity, Dr. Tobia acted as the Principle Scientist for Herculite XRV and Prodigy restorative composites. He has also collaborated on development of adhesives, color modifiers, and surface sealants. Today, Dr. Tobia is the Vice President of Research & Development for Kerr Corporation. In this capacity, he has oversight for design and development for all chemical products, from concept to market. Dr. Tobia has led numerous discussion forums on dental material science and has authored or co-authored presentations at American and International Dental Research Association meetings.

Avishai Sadan, DMD (USA)

**Ultra-Conservative Caries Treatment Options**

Dr. Sadan is Dean, Herman Ostrow School of Dentistry of USC. He is the former editor-in-chief of Quintessence International, the former editor-in-chief of 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 in prosthodontics emphasizing esthetic and implant dentistry at LSU. A member of several professional organizations including the American College of Prosthodontists, the Academy of Osseointegration, the European Academy of Esthetic Dentistry, the American College of Dentists, and other organizations, he maintains an intramural practice limited to fixed and implant prosthodontics.

Sanjay Sethi, BDS (United Kingdom)

**Synthetic Reality - An Aesthetic Yet Ethical Challenge!**

Dr. Sethi qualified from Guy’s Hospital in 1993 with BDS. He is in private practice in London and has a special interest in aesthetics and implants in dentistry. He is an international lecturer and has founded and coordinates the London Dentology Study Club. He is a full member and the current scientific chairman for the British Academy of Aesthetic Dentistry and is also a member of the BDA, ADI and an affiliate member of the EAED.

Junji Tagami, DDS, PhD (Japan)

**What is Happening at the Bonding Interface: From Hybrid Layer to Super Dentin**

Dr. Tagami received his DDS degree in 1980, and Ph.D. degree in 1984, from Tokyo Medical and Dental University (TMDU). In 1984, he was appointed Assistant Professor at the Department of Operative Dentistry, TMDU. He continued his research activity abroad with Professor David Pashley at Medical College of Georgia during the period from 1987 to 1988. Currently, Dr. Tagami is Dean of the Faculty of Dentistry and Dean of Graduate School at Tokyo Medical and Dental University. His primary research interest involves studies related to the adhesion of restorative materials to tooth substance and dental materials within the broad area of adhesive dentistry and cariology. His research work has been published in more than 300 international and national peer-reviewed journals. Dr. Tagami has contributed to the development of many innovative adhesive materials including the self-etching primer. He has the longest experience of using the self-etching primer in the clinic and in his research.

Eric Van Dooren, DDS (Belgium)

**New Opportunities for Enhancement in the Esthetic Zone**

Dr. Van Dooren attended the Katholieke Universiteit Leuven, Belgium, where he received his dentistry degree in 1982. After graduating, he opened a private practice in Antwerp, Belgium, which is limited to periodontics, fixed prosthodontics, and implants. Currently, Dr. Van Dooren is an active member of the European Academy of Esthetic Dentistry. In addition, he is a member of the editorial staff of Teamwork (Germany) and a member of the Belgian Dental Society. Dr. Van Dooren lectures nationally and internationally, mainly on esthetics, implants, and esthetic periodontal surgery. He has published several articles in international journals and is co-author of *The Art of the Smile.*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
<th>Title</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15 a.m. - 8:45 a.m.</td>
<td>Registration &amp; Breakfast</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:45 a.m. - 9:00 a.m.</td>
<td></td>
<td><strong>Abdi Sameni &amp; Richard Kahn</strong></td>
<td><strong>Opening Remarks</strong></td>
<td></td>
</tr>
<tr>
<td>9:00 a.m. - 9:50 a.m. (Lecture)</td>
<td></td>
<td><strong>David Tobia (USA)</strong></td>
<td><strong>Today’s Dental Adhesives - Chemistry, Properties and How These Relate to Clinical Success</strong></td>
<td>• Adhesive compositions – chemistry and function of components&lt;br&gt;• Test methods – what do they mean and how does this relate to clinical success&lt;br&gt;• Future trends in dental adhesive research</td>
</tr>
<tr>
<td>9:50 a.m. - 10:00 a.m. (Discussion)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 a.m. - 11:10 a.m. (Lecture)</td>
<td></td>
<td><strong>Van Haywood (USA)</strong></td>
<td><strong>Tooth Bleaching Options for the Youngest to Oldest Patient</strong></td>
<td>• A proper bleaching examination and treatment options for sensitivity during bleaching&lt;br&gt;• Age-specific recommendations for bleaching, and safety issues&lt;br&gt;• In-office bleaching, with and without light</td>
</tr>
<tr>
<td>11:10 a.m. - 11:20 a.m. (Discussion)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:20 a.m. - 11:35 a.m.</td>
<td><strong>Break &amp; Exhibits</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:35 a.m. - 12:20 p.m. (Lecture)</td>
<td></td>
<td><strong>Jin Ho Park (USA)</strong></td>
<td><strong>Ultra-Conservative Caries Treatment Options</strong></td>
<td>• Caries reversal techniques and material&lt;br&gt;• Pre-restorative treatment options&lt;br&gt;• White spot lesions – etiology and treatments</td>
</tr>
<tr>
<td>12:20 p.m. - 12:30 p.m. (Discussion)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30 p.m. - 1:45 p.m.</td>
<td><strong>Break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:45 p.m. - 3:05 p.m. (Lecture)</td>
<td></td>
<td><strong>Junji Tagami (Japan)</strong></td>
<td><strong>What is Happening at the Bonding Interface: From Hybrid Layer to Super Dentin</strong></td>
<td>• Functional monomers’ role in providing the chemical bond with HAp&lt;br&gt;• Hybrid layer – The weak point in the bonding interface&lt;br&gt;• Creating “super dentin” with self etch material</td>
</tr>
<tr>
<td>3:05 p.m. - 3:15 p.m. (Discussion)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:15 p.m. - 3:30 p.m.</td>
<td><strong>Break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:30 p.m. - 4:40 p.m. (Lecture)</td>
<td></td>
<td><strong>Amir Aalam (USA)</strong></td>
<td><strong>Roughened Dental Implant Surfaces</strong></td>
<td>• Describe different techniques available to roughen dental implant surfaces and to discuss their roughness characteristics&lt;br&gt;• Assist the practitioner with a selection of a suitable dental implant surface for the practice&lt;br&gt;• Illustrate different clinical applications of roughened dental surfaces</td>
</tr>
<tr>
<td>4:40 p.m. - 4:50 p.m. (Discussion)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Event Description</td>
<td>Presenter</td>
<td>Topic</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>----------------------------</td>
<td>--------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>8:00 a.m. - 9:00 a.m.</td>
<td>Registration &amp; Breakfast</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 9:00 a.m. - 10:20 a.m. (Lecture) 10:20 a.m. - 10:30 a.m. (Discussion) | Synthetic Reality - An Aesthetic Yet Ethical Challenge! | Sanjay Sethi (UK) | - Composite practicality  
- An overview of effective techniques  
- Clinical cases to demonstrate how to overcome varying clinical scenarios using this versatile yet very technique sensitive material |
| 10:30 a.m. - 10:45 a.m. | Break & Exhibits                                                                  |                            |                                              |
| 10:45 a.m. - 12:20 p.m. (Lecture) 12:20 p.m. - 12:30 p.m. (Discussion) | New Advances in Bonded Restorations                                               | Sillas Duarte (USA) [Keynote Speaker] | - Understand the causes of adhesive failures and treatment post-operative sensitivity  
- Employ various adhesive protocols  
- Select and employ novel esthetic adhesive materials |
| 12:30 p.m. - 1:45 p.m. | Break                                                                              |                            |                                              |
| 1:45 p.m. - 3:05 p.m. (Lecture) 3:05 p.m. - 3:15 p.m. (Discussion) | Ceramic Update and Appropriate Selection: Which System for Which Case              | Ed McLaren (USA)          | - Know when it is best to use layered feldspathic ceramics or pressed or machined glass ceramics  
- Know when to inlay vs. onlay and the best materials and adhesive techniques  
- Know when to crown vs. veneer or onlay and what material |
| 3:15 p.m. - 3:30 p.m. | Break & Exhibits                                                                  |                            |                                              |
| 3:30 p.m. - 4:50 p.m. (Lecture) 4:50 p.m. - 5:00 p.m. (Discussion) | New Opportunities for Enhancement in the Esthetic Zone                             | Eric Van Dooren (Belgium) | - Soft tissue management  
- Minimally invasive surgery  
- Implant prosthetics |
| 5:00 p.m.     | Closing Remarks                                                                    | Abdi Sameni (USA)          |                                              |
"I have been privileged to have been able to attend the past 3 Restorative Symposia. The presenters have been excellent and it has always been an excellent learning experience. I certainly will be back to attend this year's symposium."
- Richard Khan, DDS. Los Angeles, CA.

"The international Restorative Symposium is a great opportunity for Specialists to interact with their restorative colleagues. The interdisciplinary program is always filled with meaningful and clinically applicable information that relates directly to our everyday clinical practice."
- Mark Handelsman, DDS, Periodontist. Santa Monica, CA.

"Since I am now a long time practicing dentist, having graduated in the 60s, and still practicing full time… I think that over the many years it is still the same in trying to seek a balance, focus, and harmony in dentistry. The USC Restorative Symposium provides the balance of great selected lectures so we can take back to our practices with more focus which leads to the harmony we all seek in a lifetime of dentistry. I think the selection committee for the USC Restorative Symposium is very careful to provide the optimum balance in speakers and topics that will at the “end of the day” provide a completely balanced lecture program to meet the needs of all dentists."
- Ernest T. Nagamatsu, DDS. Los Angeles, CA.

• For complete photo gallery and testimonials, please visit www.uscrestorativedentistrysymposium.org •
"Attending the USC Restorative Symposium provided exposure to world class clinicians and current trends in restorative dentistry."
- Isaac Comfortes, DDS. Encino, CA.

"I found the 2010 symposium to be as good as it was in the previous years. For me, the USC International Restorative Dentistry Symposium is a must attend because of up-to-date information from some of the world’s top clinicians. Looking forward to this year’s presentation."
- Eugene Zakaryan, DDS. Solana Beach, CA.

"It was truly a great educational experience to participate and learn in an authoritative and world-class dental conference. Go Trojans!"
- Robert B. Gerber, DDS. Los Angeles, CA.

"In my profession, I attend hundreds of Continuing Education courses a year, and in my opinion, the USC International Restorative Symposium is one of the highest levels of education provided in the industry. The courses are designed to offer a superior educational opportunity by bringing the most sought out dental educators in the world and the finest quality of AV available on the market. The combination allows for a learning experience that not only gives you tools and information to apply immediately to your practice, but will also inspire and re-ignite your passion for dentistry."
- Sandy Porritt, Senior Manager Clinical Affairs, Heraeus.

"As a new graduate, it was a wonderful experience to listen to some of the most respected dentists and surgeons in the field. Can’t wait to come back next year."
- Nader Yermian, DDS. Los Angeles, CA.
USC 4th International Restorative Dentistry Symposium

Friday - Saturday, September 30 - October 1, 2011
14 Hours of Continuing Education
USC Davidson Executive Conference Center

Tuition

<table>
<thead>
<tr>
<th>Dentists</th>
<th>Auxiliary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before September 1, 2011 $495</td>
<td>Before September 1, 2011 $325</td>
</tr>
<tr>
<td>After September 1, 2011 $565</td>
<td>After September 1, 2011 $385</td>
</tr>
</tbody>
</table>

First Name: __________________________ Last Name: __________________________
Title: __________________________ Specialty: __________________________
Address: ________________________________________________________________
City: __________________________ State: __________________________ Zip: __________________________
Business Phone: __________________________ Additional Phone (Optional): __________________________
Email: __________________________ Fax: __________________________

Additional Enrollees: ______________________________________________________

☐ Check Enclosed (Payable to Herman Ostrow School of Dentistry of USC)

☐ Visa ☐ Mastercard Card Number: __________________________
Expiration Date: __________________________ Signature: __________________________
Total: __________________________ Additional Enrollees: __________________________

Please mail or fax your registration form to:
Herman Ostrow School of Dentistry of USC
Office of Continuing Education
925 W. 34th Street, Room 201J
Los Angeles, CA 90089-0641
Phone: 213.821.2127
Fax: 213.740.3973
Email: cedental@usc.edu

Online Registration Available at www.uscdentalce.org

Fees include course material, continental breakfast, and refreshments during breaks.

Herman Ostrow School of Dentistry of USC is an ADA CERP recognized provider

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.

Refunds are granted only if a written cancellation notification is received at least 21 days before the course. 50% of the tuition minus processing fee will be refunded if cancellation occurs within 14 days before this course. No refund is granted afterwards. A $70 fee is withheld for processing. For additional registrations, xerox this form and send.