

Advances in Dental Biomaterials: A Review of Clinical Application

Herman Ostrow School of Dentistry of USC
Saturday, April 28, 2018
8:00 a.m. - 4:30 p.m.

Online registration at dentalcontinuingeducation.usc.edu

Registration Form

FIRST NAME _____

MIDDLE NAME _____

LAST NAME _____

TITLE _____ SPECIALTY _____ DENTAL LICENSE # _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE () _____ - _____

FAX () _____ - _____

E-MAIL _____

☐ MASTERCARD ☐ VISA ☐ CHECK ENCLOSED

CARD NUMBER _____

EXPIRATION DATE _____

TOTAL PAYMENT \$ _____

HOW DID YOU HEAR ABOUT THIS COURSE? _____

WOULD YOU BE INTERESTED IN THIS COURSE AS A

WEBINAR? ☐ YES ☐ NO

▶ 8 Hours of Continuing Education ◀

Registration Fees

Before March 15, 2018
Dentist: \$395
Auxiliary: \$295

After March 15, 2018
Dentist: \$435
Auxiliary: \$335

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

Please mail checks and make payable to

Herman Ostrow
School of Dentistry of USC
Continuing Professional Education
925 W. 34th Street, Room 201J
Los Angeles, CA 90089-0641
Phone: 213.821.2127
Fax: 213.740.3973
E-mail: cedental@usc.edu
dentalcontinuingeducation.usc.edu
www.facebook.com/USCdentalCE

Refunds are granted only if a written cancellation notification is received at least 14 days before the course. 50% of the tuition minus processing fee will be refunded if cancellation occurs within 7 days before this course. No refund is granted afterwards. A \$75 fee is withheld for processing. For additional registrations, xerox this form and send.



Schedule

7:00 a.m. - 8:00 a.m.

Registration/Check-in

8:00 a.m. - 8:45 a.m.

An Update in Composite Resin - Dr. Sillas Duarte

8:45 a.m. - 9:30 a.m.

Materials Properties of Monolithic Zirconia
Dr. Cheryl Park

9:30 a.m. - 10:15 a.m.

Zirconia Restorations on Daily Practice
Dr. Gelarah Ronaghi

10:15 a.m. - 10:30 a.m. - *Break*

10:30 a.m. - 11:15 a.m.

Computer Guided Implant Surgery and CAD/CAM Implant Restorations - Dr. Jenny Son

11:15 a.m. - 12:00 p.m.

New Concepts on Caries Risk Assessment and Management - Dr. Jin-Ho Phark

12:00 p.m. - 1:00 p.m. - *Lunch Break*

1:00 p.m. - 1:45 p.m.

Adhesive Cementation - Dr. Sillas Duarte

1:45 p.m. - 2:30 p.m.

Improving the efficiency of bonded restorations through light-polymerization - Dr. Alena Knezevic

2:30 p.m. - 2:45 p.m. - *Break*

2:45 p.m. - 3:30 p.m.

3D Printing and CAD/CAM Complete Dentures and Overdentures - Dr. Tae Kim

3:30 p.m. - 4:15 p.m.

High-Strengths Glass Ceramics - Dr. Neimar Sartori

4:15 p.m. - 4:30 p.m. - *Q & A and Closing Remarks*

This course is designed for dentists, general practitioners, prosthodontists, hygienists and dental assistants. This course is recommended to doctors at any level who are interested in improving their knowledge on the latest dental materials available for restorative dentistry.

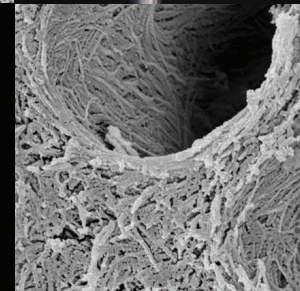
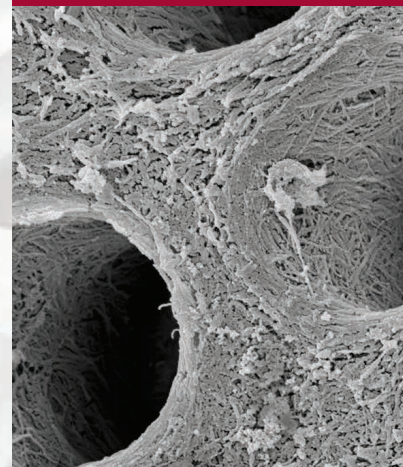
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of Dentistry of USC

Continuing Professional Education



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★ Life-Long Tradition and Excellence ★



Sillas Duarte, DDS, MS, PhD (Course Director)

Dr. Duarte is associate professor and Chair, Division of Restorative Sciences, Herman Ostrow School of Dentistry of USC, Los Angeles, California. Dr. Duarte is Director of the Advanced Program in Operative Dentistry at USC and the editor-in-chief of Quintessence of Dental Technology (QDT). Dr. Duarte has served on the editorial boards of other journals, and has lectured and instructed hands-on courses nationally and internationally on esthetic and adhesive dentistry. He has been involved in teaching cutting-edge clinical techniques and technologies related to aesthetic and adhesive dentistry.



Tae Kim, DDS

Dr. Tae Kim is section chair of removable prosthodontics at the USC Division of Restorative Sciences, where he also authored an educational video series in removable prosthodontics and a Prosthodontics Review Book. He is a respected prosthodontist, educator, and biomaterials researcher. He is a recipient of multiple grants and awards, lectures internationally, and is the author of numerous clinical and research articles in CAD/CAM denture and implant dentistry.



Alena Knezevic, DMD, MS, PhD

Dr. Knezevic graduated from the School of Dental Medicine, University of Zagreb. She completed her residency program and got certified in Endodontics and Restorative Dentistry. She was a collaborator on several dental projects and grants; is the author and co-author of over 100 scientific and clinical papers and has actively participated in numerous international meetings. She completed postdoc program at the Ludwig Maximilian University in Munich, Germany. She works as a Clinical Assistant Professor at the Herman Ostrow School of Dentistry, University of Southern California, Los Angeles where she teaches Operative Dentistry and CAD/CAM.



Cheryl Park, DDS, FACP

Dr. Park has received a Bachelor's degree in Biological Sciences at University of Southern California. She continued on to obtain her dental degree at the Herman Ostrow School of Dentistry of USC. After receiving her DDS degree, Dr. Park pursued specialty training in Prosthodontics and became board certified with the American College of Prosthodontists. She currently is an educator teaching in Restorative Sciences Division at Herman Ostrow School of Dentistry. Her role includes directing a Fixed Prosthodontics Course for the Advanced Standing Program for International Dentists and Co-directing Fixed Prosthodontics Course for DDS students.



Jin-Ho Phark, DMD, Dr. Med Dent

Dr. Phark graduated from the Humboldt University Dental School in Berlin Germany, where he also received his doctorate degree. Currently Dr. Phark is an Assistant Professor of Clinical Dentistry in the Division of Restorative Sciences at the Herman Ostrow School of Dentistry of USC, where he also serves as the Director of the Dental Biomaterials Research Laboratory. He is the associate editor of Quintessence of Dental Technology. Dr. Phark has been serving as reviewer for several journals and has lectured and published nationally and internationally. He is the author of several journal articles and book chapters. Dr. Phark's main interest is in the field of biomaterials, especially on ceramics, composites, and bonding to dental structures.



Gelareh Ronaghi, DDS

Dr. Ronaghi graduated from the University of British Columbia, Canada with a Bachelor in Computer Sciences and received her dental degree from the University of Sydney, Australia in 2010. During her dental degree program Dr. Ronaghi was awarded with the Leonard Hansen Undergraduate Research Prize from the Australian Dental Research Foundation. She went on and received her Certificate in Advanced Prosthodontics from the University of Southern California in 2014. Dr. Ronaghi main attributions are teaching at the USC Advanced Program in Advanced Prosthodontics, preclinical and clinical teaching in Prosthodontics.



Neimar Sartori, DDS, MS, PhD

Dr. Sartori is an assistant professor of clinical dentistry at the Division of Restorative Sciences, where he is also the assistant director of the Advanced Program in Operative Dentistry. He was a visiting research scholar at Case Western Reserve University and USC School of Dentistry. Dr Sartori is an associate editor of Quintessence of Dental Technology, serves as a reviewer for several journals, and has published nationally and internationally on esthetic and adhesive dentistry. His research focuses on preventing bonding degradation of the adhesive interface formed between dental structures and restorative materials.



Jenny Son, DDS, MS

Dr. Son has a Bachelor in Chemical and Biomolecular Engineering and a Master of Science in Biomedical Engineering from UCLA. She then received her dental degree from the Herman Ostrow School of Dentistry in 2010 and a Certificate in Prosthodontics in 2013. Dr. Son is the course director on CAD/CAM Implant Dentistry for the USC Advanced Program in Advanced Operative and Adhesive Dentistry and she also teaches CAD/CAM and Implants for DDS and Advanced Prosthodontics students.

Synopsis

Restorative esthetic dentistry and dental materials are evolving constantly and have undergone exciting advancements recently. Novel adhesive systems, resin cements, esthetic CAD/CAM and digital technologies are on the forefront in dentistry. In this course, participants will gain knowledge on indications, limitations, applicable and relevant new technologies, materials, and techniques. It will be a wonderful opportunity to learn in an intimate environment from renowned USC faculty in restorative dentistry as they present the latest and greatest in adhesive dentistry and materials selection.

Topics to be covered:

- Rationale for selection of CAD/CAM materials, fiber posts, adhesive systems, nanofilled composite resins, ceramics, and novel ceramic reinforced polymers for esthetic applications including materials classification and indication for use.
- Rational for selecting various adhesive protocols.
- Current advantages and limitations of modern multi-mode adhesives.
- Causes and treatment of post-operative sensitivity.
- Novel concepts for management of caries disease.
- Review of digital technologies: indications and limitations.
- Zirconia restorations
- Materials for implant guided surgery
- CAD/CAM materials for implant dentistry
- Digital workflow for removable prosthodontics

Upon completion of this course participants should be able to:

- Employ preventive and minimally invasive esthetic restorative techniques to ensure long-term success.
- Select the appropriate restorative systems in a variety of clinical applications.
- Select the proper adhesive material and restorative system required to deliver the various direct and indirect restorations.
- Employ custom-tailored techniques for esthetic anterior restorations and smile enhancement.
- Understand the use of digital technology for removable prosthodontics.

Participants are cautioned about the potential risks of using limited knowledge when integrating new techniques into your practices.

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.