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This three-day Advanced Dental Hygiene Clinical Techniques Workshop is a comprehensive hands-on update on the latest, cutting edge clinical techniques. Conceived and conducted by renowned members of the USC faculty, this unique series of courses will provide close individualized instruction in advanced hand instrumentation, advanced ultrasonic instrumentation, and periodontal endoscopy.

An ideal in-depth experience for development of dental hygiene faculty members as well as private practitioners, this workshop will be the best post-graduate clinical continuing education experience for dental hygienists. It was designed for clinicians who want to keep abreast of the newest technologies, products and techniques. Whether you graduated last year or thirty years ago, do not miss this opportunity to greatly enhance your knowledge and become more current and confident with your clinical skills.

Part I: Advanced Periodontal Instrumentation - Lecture
In the past five years, significant developments in new high-tech devices, new hand instruments and ultrasonic tips have changed the way we practice. This presentation for dentists and dental hygienists provides detailed up-to-date information on new instruments and the latest techniques that will enhance your ability to recognize and treat patients with moderate to advanced periodontitis. Videos recorded with the dental endoscope will reveal the action of various ultrasonic tips and hand instruments on calculus.

Part II: Advanced Periodontal Instrumentation - Hands-On*
This practical laboratory course for dentists and dental hygienists is designed to enhance your periodontal instrumentation, enabling you to treat patients with greater skill and confidence. This intensive hands-on experience features continuous TV demonstration by Anna Pattison plus a team of experienced instructors attentive to individualized instruction.

Part III (AM): Ultrasonics - Lecture and Lab Workshop
This lecture and hands-on laboratory course for dentists and dental hygienists on ultrasonic equipment and techniques will allow you to use and evaluate several different magnetostrictive and piezoelectric ultrasonic units with hands on instruction.

Part III (PM): Perioscopy - Lecture and Lab Workshop
This lecture and hands-on laboratory course for dentists and dental hygienists on periodontal endoscopy (perioscopy) describes how the use of the dental endoscope can enhance your ability to perform periodontal instrumentation with a new understanding and a renewed vision for your profession.

This course is intended for:
• Dentists and Dental Hygienists
• This lecture and hands-on laboratory course for dentists and dental hygienists on periodontal endoscopy (perioscopy) describes how the use of the dental endoscope can enhance your ability to perform periodontal instrumentation with a new understanding and a renewed vision for your profession.

* Registrants for Part II must have attended Part I or another full-day Advanced Periodontal Instrumentation lecture course by Anna Pattison within the past three years as the Part II workshop teaches skills which build on concepts presented in the Part I (full-day) lecture course. (Documented proof of attendance required.)

Note: Participants are asked to bring safety glasses and gloves. It is advisable for attendees to not wear white clothing or open-toed shoes during the hands-on portions of the course. Typodonts, poles, and complete instrument kits will be provided for use only during the course.
Endodontics from A to Z: Hands-On Workshop for the General Practitioner

Lecture • Hands-On

**Endodontics** has gone through many exciting changes in the past several years. Recent advances in technology, materials and equipment have changed the way endodontics is practiced today. These advances have made it possible to efficiently perform successful endodontic treatment with improved precision, predictable results, and with much greater patient acceptance.

This comprehensive state-of-the-art course includes series of seminars and hands-on workshops specially designed for General Dentists who wish to advance their knowledge and clinical skills in the art and science of endodontics. A team of endodontic specialists from the Herman Ostrow School of Dentistry of USC will thoroughly discuss evidence-based clinical and biological concepts of modern endodontic therapy. These experts will walk you, from start to finish, through all the necessary steps and phases that will enable you to enhance the way you practice endodontics so you can provide the best standards of endodontic care to your patients.

During the 3-day hands-on part of this course, you will have the opportunity to apply the principles discussed by the USC team of experts and practice in one of the most advanced facilities in California. You will perform endodontic treatment from start to finish in both single-rooted and multi-rooted teeth and will also practice endodontic retreatment.

Without doubt, this course will be a complete learning experience.

**Topics to be covered:**
- Diagnosis and case selection in endodontics.
- Preparation for endodontic treatment.
- Current principles of endodontic access.
- Canal length determination including electronic apex locators.
- Nickel Titanium rotary instrumentation.
- Canal irrigation and intracanal medication.
- Procedural errors and their prevention.
- Root canal obturation techniques.
- Use of ultrasonics to facilitate treatment.
- Endodontic retreatment.
- Endodontic-periodontal interrelationship.
- Endodontic emergencies.
- Endodontic treatment in the young patient.
- Endodontic considerations in elderly patients.
- Achieving better success in endodontic cases.

Upon completion participants will be able to
- Enhance knowledge of clinical and biological concepts of modern endodontics.
- Successfully treat single-rooted and multi-rooted teeth.
- Apply system-based approaches and state-of-the art technology for treating endodontic cases.
- Use endodontic hand and rotary instruments safely and effectively.
- Know the indications and apply appropriate techniques for endodontic retreatment.
- Approach endodontic cases with confidence and enjoy more predictable results.
- Know when and what to refer to a specialist.

This course is intended for:
- Dentists.
- Doctors at any level who are interested in improving their clinical skills and treat teeth endodontically. It will provide participants with practical information and predictable techniques on how to perform appropriate endodontic access, and clean, shape and obturate the root canal system in three dimensions to improve treatment outcomes.
Parenteral Moderate Sedation for Dentists
Lecture • Hands-On • Live Webinar • Limited Enrollment
Actual 20 Dental Patient Sedation Experiences • Emergency Simulation

The 2018 course expands its curriculum to include new drug regimens, advances in patient monitoring, and ACLS Certification. It consists of 12 days totalling 96 hours: 8 days of lectures and hands-on workshops, and 4 days of clinical patient interaction. Each clinical Saturday will be followed by 2 hours of debrief and classroom troubleshooting. The course meets (and exceeds) the educational requirements established by the ADA Guidelines and fulfills most state regulations for administration of IV moderate sedation to dental patients. Each didactic day begins with a pre-session knowledge assessment and concludes with a case-based group learning exercise. Participants will perform physical evaluation, take medical histories, outline an anesthetic plan, initiate and confirm intravenous access, administer and become competent in the titration of sedative medications, and perform dental procedures under close supervision of faculty who have had post-graduate training in dental anesthesiology. They will also receive over-the-shoulder demonstration of airway management in a live patient setting.

Topics to be covered:
- Factors affecting pain and anxiety control.
- Patient evaluation, selection, and suitability for moderate sedation through medical history taking, physical diagnosis, and psychological consideration.
- The continuum of sedation and anesthesia, with particular emphasis upon monitoring levels of sedation and the recognition of unintended deep sedation/general anesthesia.
- Respiratory physiology, anatomy, and pathology.
- Pharmacology of moderate sedation agents, adjunctive agents, and local anesthesia.
- Drug interactions and contra-indications.
- Indications and contraindications for the use of moderate sedation in an office-based setting.
- Review of possible dental procedures done with moderate sedation.
- Principles of patient monitoring.
- Intravenous access, complications, and other routes of parenteral administration.
- Moderate sedation treatment planning.
- Prevention, recognition, and management of systemic complications of moderate sedation.
- Recognition of sedation emergencies, emergency airway management, and patient rescue techniques.
- Record keeping and medico-legal aspects of dental moderate sedation.
- Abuse and diversion.
- Live patient ventilation and clinical exposure to rescuing a patient from unintended loss of consciousness.

Upon completion participant will know:
- Advantages and disadvantages of moderate sedation.
- Prevention, recognition, and management of complications associated with moderate sedation in an office-based setting.
- Safe and effective administration of moderate sedation and selected drugs to patients in a clinical setting.
- How to recognize abuse potential, occupational hazards, and other untoward effects of the agents utilized for moderate sedation.
- Technique of intravenous access, intramuscular injection and other parenteral techniques.
- Pharmacology of the drugs selected for administration.
- Precautions, indications, contra-indications, and adverse reactions associated with the drugs selected.
- Complications associated with techniques of moderate sedation.
- How to prepare a protocol for management of emergencies in the dental office, and demonstrate understanding in usage of emergency drugs and equipment required for the prevention and management of emergency situations.
- Principles and certification in AHA Advanced Cardiac Life Support (ACLS).
- Alternatives to post-operative opioid analgesic medications.
- How to incorporate team-based principles in emergency management.

This course is intended for:
Dentist, Dental Hygienist, Dental Assistant.

Required Documentation and Equipment:
- Copy of your current CPR (BLS–HCP) certificate. (If yours has expired, please obtain a current card and submit the copy prior to the start of the course) Please note that ACLS certification (provided in the course) does not include BLS certification. BOTH certificates must be held for most licensing boards.
- Copies of your assistants’ current CPR certification (2 assistants required).
- Copy of your current Dental Licence and professional liability statement.
- For clinical sessions: access to an operational vital signs monitor with pulse oximetry, non-invasive blood pressure measurement, electrocardiogram, and capnography.
- For clinical sessions: pretracheal stethoscope (conventional or Bluetooth enabled).
The Immediate Implant - Atraumatic Extraction, Immediate Implant Placement, Chairside Provisional Restoration: A Lecture and Hands-On Workshop

Lecture • Hands-On

Immediate Implant: Lecture & Hands-On
Immediate implant placement and immediate provisionalization has gained popularity because it may reduce treatment time and the number of surgical interventions. A recent systematic review of the scientific evidence supports immediate implant placement as a safe procedure when certain guidelines are followed. This course will focus on all aspects of immediate implant placement and immediate provisionalization, including atraumatic extraction instrumentation and techniques, immediate implants in molar sites, management of extraction sites with labial wall defects, fabrication of an immediate chairside provisional and much more. Discussion will focus on some of the most commonly asked questions, such as which is the best graft material to use to graft the gap? What type of interim provisional restorations to use in order to minimize tissue loss? What decisions should be made regarding immediate implant placement versus delayed implant placement. This course is designed for the novice and advanced clinician and is the first in our series on implant site development and bone grafting.

Upon completion participant should:
- Know principles of proper implant positioning.
- Perform minimally invasive tooth removal techniques and instrumentation.
- Remove broken and difficult teeth with minimal flap.
- Know the pros and cons of immediate versus delayed implant placement.
- Describe the difference in bone response between immediate and delayed implants.
- Identify risk factors for complications with immediate implants.
- Be able to perform socket grafting.
- Literature and indications for grafting.
- What to look for in choosing a graft material.
- Know the management of extraction sites with facial bony defects.
- Know how to manage the post-extraction site in order to minimize hard and soft tissue loss.
- Identify differences in implant stability between immediate and delayed implants.
- Be able to fabricate provisional restorations to load immediate implants.
- Be familiar with PMMA and Bis GMA provisional resin materials.
- Know the advantages and disadvantages of screw retained and cement retained provisional restorations.
- Have enough information to decide with confidence which type of provisional restoration to routinely use.

This course is intended for:
- Dentists, periodontists, oral surgeons, prosthodontists, dental hygienists, dental assistants.
- Those who are interested in improving their knowledge and skills with immediate implants.
44th Annual Review of Continuing Education in Dentistry - Maui

Lecture

*Drs.* Tom and Mashni will bridge the knowledge barriers amongst the specialties and disciplines in dentistry in terms of anesthesia, analgesia, and advanced pain management. From local anesthesia conundrums to advanced sedation and general anesthesia modalities employed by various practitioners within dentistry and allied health professions, you will gain a better understanding of contemporary techniques in patient evaluation, advanced pain and anxiety control techniques, complication avoidance and management, and effective referrals for various aspects of patient management.

**Topics to be covered:**
- Day 1: Review of Medical History and Presentation across the specialties, review and case discussions.
- Day 2: Review of Anxiety Reducing Methods, Techniques, and Pharmacology across the specialties, review and case discussions.
- Day 3: Review of Local Anesthesia across the specialties, review and case discussions.
- Day 4: Changing the culture of safety in anesthesia and pain management across the specialties, review and case discussions.

Participants will recognize patient needs for safe and effective pain and anxiety control through various techniques of physical and medical evaluation. They will learn to apply fundamental and advanced pharmacologic principles and physiologic monitoring to a wide variety of patients, and evaluate the needs of the patient for specific interventions and treatment considerations in accordance to their discipline and specialty practice. Lastly, participants will be exposed to reports of real-world complications and pitfalls to avoid complications in their own practice and plan to elevate levels of patient safety in everyday practice.

This course is intended for:
- Dentists, dental hygienists, dental assistants
- This course is intended for dentists and all members of the dental team.
The Artistic Dentist:
Excellence in Direct Anterior and Posterior Composites

Lecture • Hands-On

This course will review the new paradigm in tooth preparation for adhesively retained direct bonded composite restorations, using Supra-gingival principles. The principles and technique necessary to achieve predictable bonds to enamel and dentin while minimizing post-operative sensitivity will be described. In addition, a technique for placement and finishing highly esthetic layered polychromatic anterior and posterior composite restorations will be discussed. Dr. Ruiz will address the latest concepts on composite materials and the principles of smile design, color, shade-matching, and use of tints to achieve natural exquisite looking restorations.

Participants in this hands-on course will have the opportunity to apply principles discussed during the lectures, and be able to work in USC’s famous “Sim-lab,” one of the most modern and realistic simulator facilities in California. Participants will prepare and finish posterior direct composite restorations, perform polychromatic layered, highly esthetic anterior restorations, as well as Class IV and full direct composite veneers. At the end of the course, participants can take home, bonding materials, composites, polishing supplies, and other supplies.

Upon completion participant should:

- Perform a Class II in 15 minutes with predictability, simplicity and no post operative complication using Supra-gingival principles learned.
- Understand and apply the latest developments in composite resins & adhesives.
- Incorporate state-of-the-art composite and bonding techniques to their practice.
- Perform diastema closures and full direct composite veneers with predictable and esthetic results.
- Prepare several teeth using principles specially design for direct adhesively retained composites restoration.
- Understand and apply the principles of smile design, color and color-matching for optimum results.

This course is intended for:

- Dentists, dental hygienists, dental assistants.
- The lectures are designed for any member of the dental team. Workshop courses are designed and intended for dentists only.
A Simple Two-Step Treatment of Severe Periodontitis, and More!

Lecture

The recognition of microbial specificity in periodontitis has afforded dental practitioners the ability to prevent and treat the disease with a variety of antimicrobial drugs. These include systemic antibiotics against specific bacterial and viral pathogens, professional subgingival irrigation with povidone-iodine and dilute sodium hypochlorite (bleach) for home-use. Systemic antibiotic therapy can be essential in eliminating pathogens that invade gingival tissue and in helping control periodontal pathogens residing in various domains of the mouth from where they may translocate to periodontal sites. Frequently used periodontal combination antibiotic therapies are metronidazole-amoxicillin and metronidazole-ciprofloxacin. Systemic valacyclovir against herpesvirus is prescribed for severe periodontitis. Commercial controlled release devices suffer from several potential problems, including insufficient spectrum of antimicrobial activity in some periodontal polymicrobial infections, risks of producing an antibiotic resistant microbiota, and high acquisition costs. In this course, Dr. Slots presents a periodontal treatment protocol that includes a battery of professionally and patient administered antimicrobial agents. These chemotherapeutics can provide effective, safe, practical and affordable means of controlling subgingival colonization of periodontal pathogens and virtually all types of periodontal disease. Treatment protocols and cases will be presented.

Upon completion participant will know:
• The type of periodontal patients who should be treated with adjunctive antimicrobial therapy.
• Safe and effective antimicrobial therapies and how to select the most optimal antibiotic and antiseptic therapy for individual patients.
• Effective and rational recall programs for periodontitis patients.
• Highly effective, long-lasting and inexpensive means of combating bad breath and some types of tooth sensitivity.

This course is intended for:
• Dentists and dental hygienists.

Sleep Breathing Disorders: Approach From Dentistry!

In Person or Live Webinar

DAY I - Lecture
This course focuses on Sleep Disordered Breathing (SDB) Disorders such as snoring, somnolence and sleep apnea. It reviews the underlying mechanisms of these problems, including brain and anatomic alterations that predispose a patient to SDB. Lectures and discussion include an explanation of airway closure, factors that predict or predispose to airway closure and the medical and psychological consequences of sleep disordered breathing.

Topics to be covered:
• Chronic snoring.
• Chronic Obstructive Sleep Apnea (OSA).
• Ordering and interpreting 3-D airway images.
• Medications used in OSA.

DAY II - Lecture and Demo:
During the second day the participants will understand how to analyze diagnostic tests and reports, including the clinical evaluation, pulse or wrist oximeter, PSG studies and Smart phone apps for snoring. Additionally demos and experiences of various appliances that can be used to treat patients, such as the Herbs and the TAP.

Topics to be covered:
• Examination methods for OSA/snoring.
• Ordering polysomnography.

• Take-home Oximeter.
• Smart phone apps for snoring/Oxymeter.

Upon completion participant will:
• Understand the anatomy, physiology and pathobiology of the obstructive sleep apnea.
• Be able to apply diagnostic methods used to detect and quantify obstructive apnea disorders.
• Understand the current therapies used for these problems.
• Know the latest medications that are used for managing both snoring and obstruction.
• Be able to use portable take-home recording devices for assessing the ongoing success or failure of the treated case.
• Analyze a PSG report.
• Be able to select the dental device accordingly with the case indications (Herbst or TAP device) for OSA and snoring.

This course is intended for:
• Dentists, dental hygienists.

Instructors:
Glenn Clark, DDS, MS, Mariela Padilla, DDS, MEd., Kamal Al-Eryani, DDS, PhD, Jack Broussard, DDS, Dr. Rick Borchuez, DDS, Mohammad Khalifeh, DDS, MS, and Sal Manriquez, DDS
Endodontics has seen significant technological advances in the last decade enhancing the precision and predictability of treatment. Although endodontic treatment is a predictable modality, certain case limitations may lead to failure. Difficult access, severely calcified canals and inaccessible surgical sites, can lead to failures or poor to guarded prognosis.

The purpose of this comprehensive is to introduce new digital technology related to 3D printing and planning for both implants and endodontic cases. These advancements in digital dentistry has made such cases predictable and highly successful. It also increases patients’ acceptance to treatment. Understanding this technology allows for minimally invasive procedures with lower risks.

Day I
Morning Session
• The role of digital evaluation and treatment planning.
• CBCT scans; Myths and Reality.
• Types of affordable printers available for dentistry.
• Pros, cons and limitations of some printers and softwares.
• Open interface planning softwares - BlueSky Plan and Meshmixer.

Day I
Afternoon Session
• Printing and designing of implant surgical guides using BlueSky Plan.
• Hands-on planning in BSP, Meshmixer and RayWare, using attendees own laptops.
*Attendees are encouraged to bring laptops with a gaming video card equivalent to or higher than Nvidia GTX 1060.

Day II
• 3D guided endodontics. K-Endo access guide for severely calcified cases, clinical cases presentation, 3D guided endodontics.
• K-Endo surgical guide fabrication and applications.
• Hands-on planning of an endodontic access guide.

Upon completion participant should be able to:
• Develop a balanced decision process of guided case selection and treatment planning.
• Use the RayWare Software for dental 3D printing applications.
• Create an Implant surgical guide in BSP.
• Develop an understanding of the use of the K-Endo access guide and its applications.
• Develop an understanding of new advancements in 3D endodontics and 3D apical surgery utilizing guided technology.
• Use BSB (Blue Sky Bio) software to design and fabricate the K-Endo guides for treating moderate to severe calcified cases and apical surgery.

This course is intended for:
• Dentists.
The 11th USC Geriatric Dentistry Symposium Symposium

Lecture

Today older adults are seeking dental care in far greater numbers as their life span lengthens and the numbers of seniors in the population increase. Unique to this population are factors such as variable health profiles, social support systems, and functional capabilities. Oral health findings can also be highly variable whether they are compounded by a lifetime of treatment or neglect. Many individuals or their families expect to maintain or restore their dentition and receive regular oral health care with the latest innovative materials and technology available.

Recognizing the diverse nature of the elderly and their needs, this symposium will approach the older adult from a functional perspective and include topics that cover many of the relevant issues faced when treating aging individuals. Practice approaches for both the healthy, community-based patient and frailer individuals will be discussed.

Topics to be covered:
• The relationship of health, oral health and older adults research.
• Implants and alternatives treatments for edentulous areas.
• Importance of diet in healthy aging.
• Update on chemotherapeutics for prevention of caries.
• Psychological changes in the older adult and their importance in dental treatment modifications.
• Debating in the best treatment options for older adults, what to do?

Upon completion participant will be able to:
• Describe population level differences in oral health for older US adults.
• Recognize the importance of functionality to health, including oral health for older adults.
• Understand viable options for treatment of edentulous areas.
• Appreciate the role of diet in the process of healthy aging.
• Understand the impact of treatment modifications on older adults.
• Identify physical, cognitive and psychosocial characteristics of adults with longer than expected lifespans.
• Understand the importance of psychological changes in the older adults.

This course is intended for:
• Dentists, dental hygienists, dental assistants.

Course Date and Time:
September 14, 2018
9:00am - 5:00pm

Location:
Herman Ostrow School of Dentistry of USC
925 W. 34th St
Los Angeles, CA 90089

CE Units: 7

Registration Fee:
Before August 15, 2018:
In-Person Dentist $445, Auxiliary $385
Webinar Dentist $370, Auxiliary $295

After August 15, 2018:
In-Person Dentist $495
Auxiliary $425
Webinar Dentist $420
Auxiliary $360

Instructors:
Roseann Mulligan, DDS, MS, FADPD, DABSCD
Piedad Suarez, DDS
Jennifer Ailshire, PhD
Sherene Chou, MS, RD
Phuu Han, DDS, PhD
Lisa Hou, DDS, MS
Peter Y. Kawamura, DDS, MS, FASGD, DABSCD
Janet Lent, DDS, FASGD, DABSCD
Lauren Fox MacMillan, PhD
This caries and tooth fractures are common occurrences in clinical practice. They typically lead to difficulties in managing the restorative finish line and to inability to take proper impressions. In other situations, dentists face difficulties obtaining adequate crown retention and a ferrule effect. These can lead to secondary caries, repeated fractures and periodontal complications due to biologic width impingement.

This course is designed to assist clinicians with managing these challenges and explores the periodontal-restorative interface. Participants will learn about functional crown lengthening and its indications prior to restorative treatment. Surgical techniques and how to improve restorative results by incorporating periodontal principles will be reviewed. The hands-on portion will enable participants to practice surgical crown lengthening, including effective flap design and suturing techniques.

Topics to be covered:
- Indications and contraindications.
- Difference between functional and esthetic crown lengthening.
- The importance of the biologic width.
- What are the restorative considerations relevant to crown lengthening surgery?
- When to “save” a tooth and when to extract?
- Step-by-step surgical technique.
- The surgical kit and procedure set-up.
- Complications management.
- When to refer to a periodontist.

Hands-On Workshop:
- Soft tissue excisions.
- Flap reflection.
- Managing the thick palatal tissue.
- Ostectomy and osteoplasty.
- Surgical hand instrumentation.
- Using rotary instruments.
- Piezosurgery for crown lengthening.
- Managing subgingival tooth fractures.
- Quadrant crown lengthening.
- Suturing technique.

This course is intended for:
- Dentists, dental assistants.
Emerging Diseases, Infection Control and California Dental Practice Act

New diseases, as well as the return of some once thought eradicated diseases, are a major concern in the modern dental practice. It seems as if every few months a disease is developing and or capturing headlines. The signs and symptoms of many emerging diseases such as community-acquired methicillin-resistant Staphylococcus aureus (CA-MRSA), seasonal flu and development of drug-resistant bacteria will be described, and effective preventive measures will be discussed. The course will also cover topics such as general disease transmission, standard precautions, disinfection and sterilization as well as updated requirement for using sterile water or a disinfecting or antibacterial agent when irrigating exposed dental pulp.

The course will review Cal-OSHA’s top dental office citations, discuss the CDC guidelines as well as the current mandated minimum standards for infection control in the dental setting from the Dental Board of California regulations. Participants will be provided with an easy-to-apply checklist for reviewing their office’s compliance with infection control and safety policies and guidelines.

The section on the California Dental Practice Act will present the recent changes in the laws that impact the practice of dentistry. It will cover the topics necessary for renewal of your license, including your duties as mandated reporter of child, elder, and domestic partner abuse; violations of the Dental Practice Act; and powers of enforcement held by the Dental Board.

Upon completion participant will:

- Know how to use dental auxiliaries effectively within current California law.
- Provide a safer environment for patients and the dental team.

This class satisfies the California Infection Control and California Dental Practice Act license renewal requirements for dentists, dental hygienists, and currently licensed registered dental assistants.

This course is intended for:

- Dentists, dental hygienists, and dental assistants.

In Person • Live Webinar

Know how to use dental auxiliaries effectively within current California law.
Provide a safer environment for patients and the dental team.

This class satisfies the California Infection Control and California Dental Practice Act license renewal requirements for dentists, dental hygienists, and currently licensed registered dental assistants.

This course is intended for:

- Dentists, dental hygienists, and dental assistants.

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<td>Webinar: Dentist $275, Auxiliary $230</td>
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<tr>
<td>Instructors:</td>
<td>Joyce Galligan, RN, DDS</td>
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<td>Patricia Galligan, JD, LL.M in taxation</td>
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Minimally Invasive Adhesive and Esthetic Indirect Anterior Bonded Restorations

Lecture • Hands-On

The objective of this course is to take a clinical approach and familiarize the practitioner with all aspects of bonded porcelain restorations. This course will demonstrate that not only can bonded porcelain restorations be used to enhance the esthetic appearance of teeth, but they can also be used therapeutically to regain strength of teeth that have been weakened due to enamel loss.

Lecture - Sept 28, 2018. 8:30am - 12:30pm: This lecture will propose a practice philosophy and related techniques that respect the vitality and biomechanic properties of the natural teeth to improve patient’s smile.

Topics to be covered:
Diagnosis, treatment planning and treatment sequencing for bonded restorations
• 3-dimensional functional & esthetic mock-ups.
• Preparation design for adhesive restorations
• Immediate dentin sealing.
• Provisional fabrication: techniques, and materials.

Hands-On Workshop:
The hands-on portion of this course will allow participants and their staff to master all the necessary steps required to implement the contemporary material presented in the lecture.

Part 1 - Sept 28, 2018. 1:30 - 5pm
• Fabrication of matrices and mockups.

Part 2 - Sept 29, 2018. 9am - 5pm
• Preparation and provisionalization.

This course is intended for:
• Dentists, dental hygienists, dental assistants.
Healthier Indirect Restorations, Using a Supra-gingival Protocol

Lecture • Hands-On

**Improved** esthetic results achieved with non-metal veneers, onlays and full crowns have increased their use and enhanced patient acceptance and satisfaction. Nevertheless, clinicians often feel that these restorations are more difficult and less predictable than traditional ones. In this course, participants will learn how to properly perform non-metal restorations to make esthetic dentistry more predictable, trouble-free and healthier for the patient.

In this workshop, Dr. Ruiz will first demonstrate an innovative paradigm for preparation and cementation. He will also show a simple and predictable system for performing comprehensive diagnosis, esthetic evaluation and occlusal diagnosis, that is indispensable for predictability, longevity and successful esthetic outcome. In addition, step-by-step techniques and principles for tooth preparation, temporization, and sensitive-free easily bonded cementation will be shown.

During the workshop, participants will perform, in very realistic simulators, tooth preparations specific to supragingival dentistry for porcelain veneers and non-metal onlays. Participants will also bond porcelain veneers and onlays using the techniques learned.

**Upon completion participant should:**
- Understand the benefits of supragingival dentistry by observing live preparation and cementation procedures for non-metal veneers.
- Know simple and predictable tooth preparation techniques specific to supragingival dentistry and perform multiple veneer, onlay and crown preparations in a simulator.
- Be able to use a predictable impression technique; never do a retake!
- Know how to choose the correct type of restorative material and translucency.
- Understand which bonding systems and cements are most esthetically appropriate to achieve good margin blending.
- Know how to perform sensitive-free and easy cementation techniques for anterior veneers and posterior onlays.

**This course is intended for:**
- Dentists.
HANDS-ON WORKSHOP

Course Date and Time:
October 6, 2018
9:00am - 5:00pm

CE Units: 7

Registration Fee:
Before Sept 1 2018:
$1,250
After Sept 1 2018
$1,475

Instructor:
Bach Le, DDS, MD, FICD, FACD

Horizontal & Vertical Augmentation:
Lecture & Cadaver Hands-On Workshop
Lecture • Hands-On

Many techniques and augmentation materials have been described for horizontal and vertical ridge augmentation. These include guided bone regeneration (GBR), ridge expansion/splitting, autogenous onlay block grafting, titanium mesh techniques, distraction osteogenesis, and interpositional osteotomy. While many techniques offer excellent results in some situations few can be said to guarantee success. Many questions still remain on which methods yield the most predictable results for dental implant placement in grafted bone. The aim of this course is to critically evaluate the current evidence to determine the predictability of various bone augmentation techniques for horizontal and vertical ridge defects for implant placement. A series of cases have been gathered to illustrate risk assessment and predictable management of various critical size defects ranging from moderate to severe defects.

Upon completion participant should:
• Describe various augmentation techniques and materials and understand the criteria for choosing the most appropriate technique.
• Understand various factors which may affect augmentation success, including the degree of bone loss, the configuration of the defect, the location in the mouth, the design of prosthesis, patient preference, and clinician experience.
• Understand bone biology and graft healing.
• Know how to perform alveolar ridge augmentation using various proven augmentation techniques.
• Understand the significance of various flap designs on treatment outcome.
• Know how to graft in the esthetic zone.
• Know when to perform block graft versus particulate graft.
• Know how to perform lingual graft versus particulate graft.
• Know grafting of vertical ridge defects.
• Know the “screw tent-pole grafting” technique.
• Know tunnel grafting.
• Know when to perform bone graft versus tissue graft.
• Know how to perform flap release around the mental nerve.
• Know how to harvest ramus and chin grafts.
• Recognize and treat graft complications.

This course is intended for:
• Dentists, periodontists, oral surgeons, prosthodontists.
The goal of esthetic reconstruction is to provide patients with naturally looking restorations and healthy surrounding soft tissues. Often, patients present with gingival deformities, such as tissue deficiency or excessive gingivae, thereby posing a challenge to the treating clinician. Other problems include subgingival caries and tooth fractures. These typically lead to difficulties in managing the restorative finish line and an inability to make proper impressions. In other situations, dentists face difficulties obtaining adequate crown retention and a ferrule effect, which can lead to secondary caries, repeated fractures and periodontal complications due to biologic width impingement. It has been shown that proper handling of the gingival tissues can make the difference between treatment success and failure. This course is designed to provide clinicians with the scientific background and surgical techniques to perform periodontal surgery for ultimate esthetics and function. It will address the methods to attain success from a soft tissue perspective.

**DAY I - LECTURE AND HANDS-ON:**
**Essential Surgical Principles and Suturing Techniques**
- Principles of soft tissue esthetics and gingival harmony.
- The challenges of tissue deficiency and excess.
- Anatomical considerations for periodontal surgery.
- Principles of flap design.
- The essential principles of suturing.
- Suturing safety and mechanics.
- How to choose suture material and when to use it.
- Needle types and their use.
- The most useful suturing techniques.
- Suturing for exodontia, bone grafting and implants.
- How to deal with suture challenges and complications.
- Simple interrupted.
- Continuous interlocking.
- Sling.
- X-suture.
- Vertical and horizontal mattress.
- How to suture an edentulous arch.
- Principles of tying a knot.
- Finger maneuvering options.

**DAY II - LECTURE AND HANDS-ON:**
**Soft Tissue Grafting**
- Soft tissue grafting to correct gingival recession.
- Coronal repositioning flaps and root coverage.
- “Tunneling” and “Pouch” techniques.
- Improving tissue quality.
- Soft tissue management around implants.
- Soft tissue allografts and enamel proteins for root coverage.
- Management of soft tissue complications.
- Epithelialized alveolar graft.
- Connective tissue graft.
- Coronal advanced flap.
- 1 incision harvest technique.
- Donor site management.

**DAY III - LECTURE AND HANDS-ON:**
**Esthetic & Functional Crown Lengthening**
- Etiology for excessive gingival display.
- Treatment options for the “Gummy Smile”.
- Surgical lip repositioning.
- Apically positioned flaps.
- Tori and tuberosity reduction.
- Frenectomy procedures.
- Indications for crown lengthening.
- The importance of biologic width.
- Restorative considerations relevant to crown lengthening surgery.
- Treatment of gingival hyperplasia.
- Complications management.
- When and what to refer.
- Apically positioned flaps.
- Functional crown lengthening.
- Ostectomy and osteoplasty.
- Surgical hand instrumentation.
- Using rotary instruments.
- Managing subgingival tooth fractures.
- Quadrant crown lengthening.

This course is intended for:
- Dentists.

**Course Date and Time:**
Part I - October 12, 2018
1:00 pm - 5:00 pm
Part II - October 13, 2018
9:00 am - 5:00 pm
Part III - October 14, 2018
9:00 am - 5:00 pm

**CE Units:** 18

**Registration Fee:**
Before September 15, 2018:
Dentist $2,975
After September 15, 2018:
Dentist $3,295

**Instructor:**
Ziv Simon, DMD, MSc
Dear Friends and Colleagues:

It is with great pleasure that I invite you to join me at the 11th USC International Restorative Dentistry Symposium.

This year the symposium enters its second decade with the same commitment and vigor to bring you and your team the most relevant and up-to-date information to assist you in your ability to excel in the care you provide your patients.

A stellar cast of nationally and internationally recognized presenters, clinicians and researchers from across many disciplines have been selected to present perhaps what will be one of the most diverse programs the symposium has ever offered.

I am also very proud to continue to expand our Sunday workshop we introduced last year. This year we will have two parallel programs that will take place at the Herman Ostrow School of Dentistry of USC.

So please save the date, tell your friends and look for further details to follow.

Respectfully,

Abdi Sameni
Symposium Chair

This course is intended for:

- Dentists, dental hygienists, dental assistants, specialists, restorative dentists, dental hygienists and dental technologists.

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The USC 11th International Restorative Dentistry Symposium
Lecture • Hands-On • www.uscrestorativedentistrysymposium.org

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Symposium
Date and Location:
October 12 - 13, 2018
9:00am - 5:00pm
Millennium Biltmore Hotel
Los Angeles
506 S Grand Ave
Los Angeles, CA 90071

Hands-On Workshop
Date and Location:
October 14, 2018
9:00am - 5:00pm
Herman Ostrow School of Dentistry of USC
925 W. 34th St.
Los Angeles, CA 90089

CE Units: 7 per day

Registration Fee:
Symposium
Before Sept 15, 2018:
Dentist $495, Auxiliary $420
After Sept 15, 2018:
Dentist $585, Auxiliary $495

Hands-On Workshop
Before Sept 15, 2018:
Symposium registrant: $795
Non-Symposium registrant: $895
After Sept 15, 2018:
Symposium registrant: $895
Non-Symposium registrant: $995

Instructors:
Abdi Sameni, DDS (Symposium Chair)
Marwa Abdelaziz, DDS
Gal Aharonov, MD
Markus B. Blatz, DDS (Keynote)
Bach Le, DDS
Matthew Nejad, DDS
Razaghy Mehrdad, DDS
Robert Relle, DDS
Ryan Tak On Tse, DDS
Paresh Shah, DDS
Marcos Vargas, DDS
Naoto Yuasa, CDT

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SAVE THE DATE!
Sunday, October 14, 2018
Hands-On Workshop:
Maximum Success with Indirect, Partial-Coverage Restorations
Visit www.uscrestorativedentistrysymposium.org for more info
Orofacial Pain: When, How and What to Treat
In Person or Live Webinar

This course focuses on Chronic Orofacial Pain (OFP) and headaches (e.g. Neuropathic Pain, Neuropathic Pain, Neuralgia, Neuritis and Neuroma). It reviews underlying mechanisms of pain induction, nerve injury and repair, sensitization and spontaneous ectopic pain generation. Lectures include an explanation of how various analgesic blocks and sensory testing procedures, in combination with historical information, produce a differential diagnosis of neurogenic and headache pain. Lectures will also focus on the appropriate pharmacologic, behavioral, surgical, and physical medicine management procedures for these conditions. Finally, real patient cases will be presented with the goal of helping the attendee become more comfortable in diagnosing and treating OFP disorders and providing a new understanding of chronic pain. This course will cover the medications used to treat chronic orofacial pain, including neurogenic, musculoskeletal, headache and uncommon pain disorders. To be able to treat patients with these problems, dentists must understand the underlying mechanisms of pain transmission, nerve injury and repair, sensitization, sympathetic pain maintenance and spontaneous ectopic pain generation. Dentists must be able to perform various analgesic blocks and sensory testing procedures as well as understand how these procedures combined with historical information allow for a differential etiologic-based diagnosis to be made. This course is divided into lecture presentations in the morning, demonstrations and workshops in the afternoon and specific case discussions at the end of the day.

Topics to be covered:
• Chronic orofacial pains (trigeminal neuralgias, neuromas and neuropathies).
• Headache disorders which mimic Temporomandibular Disorder (TMD) and cause orofacial pain.
• New medications used for pain.
• Examination methods for chronic pain.
• Know the neuroanatomy, neurophysiology and pathobiology of the trigeminal nociceptive system.
• Understand neurogenic and neurovascular diseases.
• Be able to conduct a differential diagnosis of neurogenic and headache disorders.
• Understand how neurovascular headaches can convert from episodic to chronic.
• Be familiar with the latest medications used for managing both neurovascular and neurogenic pain.
• Medications used in dentistry and the Law: What can be prescribed and what not?
• Metabolism of medications including liver enzymes systems.
• The various chronic pain diseases that appear in the orofacial region.
• Non-pharmacologic therapies for OFP
• Current approaches for treating nonmalignant chronic orofacial pain.

This course is intended for:
• Dentists, dental hygienists, and dental assistants.
• This course is designed for dentists and other health care professionals dealing with chronic pain conditions and dysfunction of the orofacial region. It will focus on treatment strategies and pharmacological management.
A Contemporary Approach to Diagnosis, Treatment Planning and Therapy in Periodontics

**Lecture**

*Periodontal* disease is a chronically destructive condition affecting many patients. The primary bacterial etiology with several possible local and systemic risk factors account for a rather complex disease entity. It is crucial for clinicians to include periodontal considerations in their treatment planning and in the active phase of therapy. This course is designed to provide clinicians with the most current knowledge on fundamental issues in periodontics. Participants will learn how to diagnose periodontal disease and related conditions and to assess teeth prognosis. The course will also explore several periodontal treatment modalities and their relation to restorative and reconstructive aspects of treatment. State-of-the-art reviews and position statements by the American Academy of Periodontology (AAP) will be included. The information presented in this course will be clinically-relevant to help participants provide optimal comprehensive care for their patients.

**Topics to be covered:**
- Microbial etiology of periodontitis.
- Secondary etiologies and risk factors.
- Performing a comprehensive periodontal examination.
- Classification of periodontal diseases and conditions (AAP).
- Differential diagnoses: periodontal, endodontic and combined lesions.
- How to determine prognosis?
- Systemic and localized antibiotic regimens: when is each one indicated?
- The relationship between occlusion and periodontal disease.
- The furcation dilemma: What are the treatment options?
- Periodontal disease and the link with systemic diseases.
- Surgical vs. non-surgical treatments: when are they indicated?
- Gingival lesions and indications for biopsy.
- What is appropriate periodontal maintenance?
- When to refer to a specialist (AAP).

**This course is intended for:**
- Dentists, dental hygienists, dental assistants.

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**Course Date and Time:**
November 16, 2018
9:00am - 5:00pm

**CE Units:** 7

**Registration Fee:**
Before October 15, 2018:
Dentist $315, Auxiliary $275
After October 15, 2018:
Dentist $395, Auxiliary $345

**Instructors:**
Ziv Simon, DMD, MSc,
Ilan Rotstein, DDS
The USC 17th International Endodontic Symposium

Lecture

It is our pleasure to invite you to the 17th International Endodontic Symposium of the University of Southern California. Internationally renowned experts from Norway, Switzerland, and the United States will present the most recent advances in the field. The program includes updates on current hot topics in endodontics and advanced treatment modalities as well as an insight into the future of endodontics. This International Symposium promises to be a most exciting event and will provide you, the clinician, with more relevant information and tools to bring you to the next level of excellence in delivering the best evidence-based endodontics to your patients.

We look forward to welcoming you at our symposium.

Topics to be covered:
• 3D cleaning and shaping in endodontics: Clinical applications and research.
• Cracking the cracked tooth code with CBCT Imaging.
• Debridement: The crux of endodontic therapy.
• Treatment of mature permanent teeth with irreversible pulpitis: A long forgotten vital pulp therapy.
• Endodontic Biology: What have we learned in a decade of pulp regeneration?
• Endodontic considerations of medication-related osteonecrosis of the jaw.
• Has bioinformatics changed how we treat root canal infections?
• Apical surgery: Inspection and management of the cut root face.

This symposium is intended for:
• Endodontists, general practitioners, and any other specialist in dentistry who are interested in endodontic-related topics.

Course Date and Time:
Nov 30 - Dec 1, 2018
8:30am - 5:00pm

Location:
Radisson Midtown at USC
3540 S. Figueroa Street
Los Angeles, CA 90007

CE Units: 7

Registration Fee:
Before November 1, 2018:
Dentist $525, Auxiliary $475

After November 1, 2018:
Dentist $625, Auxiliary $575

Speakers:
Ilan Rotstein, DDS (Symposium Chair)
Rafael Roges, DDS
Gilberto Debelian, DMD, PhD
Mohamed I. Fayad, DDS, MS, PhD
Wm. Ben Johnson, DDS
Louis M. Lin, BDS, DMD, PhD
Ove Peters, DDS
Parish P. Sedghizadeh DDS, MS
Christine M. Sedgley, BDS, MDS, MDSc, PhD, FRACDS, MRACDS
Thomas von Arx, Prof. Dr. med.dent.
Do you use Cone-Beam CT when diagnosing and treatment planning your patients? Today three-dimensional imaging techniques allow the restorative dentist and the orthodontist to use the face as a reference when restoring or moving teeth. The position of the upper incisor in relation to the lips is paramount to diagnose and treatment plan both simple and interdisciplinary cases. This one-day course will allow practitioners to incorporate photography, three-dimensional imaging and diagnostic systems into their routine practice in order to achieve better and more predictable outcomes. Digital dentistry is around the corner; are you in?

Topics to be covered:
• CBCT imaging concepts and clinical applications of 3D images.
• Customized appliances and esthetics during and orthodontic treatment.
• Interdisciplinary management of gingival smile: The ortho/perio connection.
• Deficient incisor exposure at rest and during speech

Upon completion participant will:
• Understand imaging concepts for the clinician.
• Learn new applications of multimodal images.
• Outline research and future clinical directions of 3D applications.
• Learn the latest technological applications to enhance orthodontic treatment accuracy.
• Learn the reasons behind appliance selection and customization.
• Evaluate the accuracy / precision of customized lingual orthodontic.
• Classification and diagnosis of excessive gingival display during smile.
• Sequence and timing of treatment.
• Guidelines for optimal esthetics.

This course is intended for:
• General practitioner, periodontist, prosthodontist, and oral surgeon.
Focus on the Maxillary Sinus: Lecture & Cadaver Hands-On Workshop

Dental implants are a predictable treatment option when there is sufficient quantity and quality of bone. However, when patients present with deficient alveolar ridges, it can hamper the placement of dental implants. This problem is especially magnified in the posterior maxilla where ridge resorption and sinus pneumatization, compounded with a poor quality of bone, are often encountered. The procedure of choice to restore this anatomic deficiency is maxillary sinus floor elevation (sinus lift).

This one-day lecture and hands-on cadaver workshop will focus on the most up-to-date techniques in sinus augmentation to improve long-term clinical success with dental implants. The course is designed for the clinician that has prior implant experience and would like to broaden knowledge, scope of practice and improve surgical skill.

Upon completion participant should:
- Discuss the rationale for sinus augmentation.
- Understand maxillary sinus anatomy and function.
  - Schneiderian membrane thickness, risk of tearing.
  - Management of sinus septums.
- Understand and manage maxillary sinus pathology.
  - Mucous retention cysts, maxillary sinusitis, and more.
  - Effects of implant exposure to sinus cavity and risk of sinus complications.
- Know pre-operative evaluation.
  - Rule out sinus pathology.
  - CT scan evaluation.
- Understand sinus graft biology and healing.
- Know the advantages and limitations of various augmentation approaches.
- Perform various maxillary sinus augmentation approaches.
  - Lateral window approach.
- Crestal approach.
- Osteotomes.
- Ridge expansion technique in conjunction with sinus grafts.
- Balloons.
- Piezoelectric instrumentation.
- Flap design for optimal esthetic and predictability.
- Know when to perform sinus graft versus using short implants.
- Understand the rationale for choosing various graft materials.
- Harvest ramus and chin grafts.
- Recognize and treat graft complications.
  - Membrane perforations, bleeding, oral-antral fistula formation, maxillary sinusitis and infection, graft failures, and more.

This course is intended for:
- Dentists, dental hygienists, and dental assistants.
- Novice or experienced clinicians.
- Surgical specialists who would like to acquire a more comprehensive understanding of implant restoration.
- Restorative dentists who would like to acquire a more comprehensive understanding of implant surgery.
- Allied health professionals (Laboratory technicians, dental hygienists and dental assistants).
California Dental Practice Act and Infection Control Webinar
Self-Paced Webinar

The section on the California Dental Practice Act will present the recent changes in the laws that impact the practice of dentistry. It will cover the topics necessary for renewal of your license, including your duties as a mandated reporter of child, elder and domestic partner abuse; violations of the Dental Practice Act; and powers of enforcement held by the Dental Board.

The course reviews Cal-OSHA’s top 20 dental office violations, discuss the CDC guidelines as well as the current mandated minimum standards for infection control in the dental setting from the Dental Board of California regulations. Participants will be provided with an easy-to-apply checklist for reviewing their office’s compliance with infection control and safety policies and guidelines.

Upon completion participant should:
- Know the principles of disease transmission and Universal/Standard precautions.
- Understand Cal-OSHA compliance issues, sterilization and disinfection.
- Become familiar with the updated CDC infection control guidelines.
- Understand the infection control practices mandated by the Dental Board of California.
- Know the recent changes in the Dental Practice Act and the basic rules for avoiding problems that could place your dental license in jeopardy.
- Know how to use dental auxiliaries effectively within current California law.
- Provide a safer environment for patients and the dental team.

* This class satisfies the California Infection Control and California Dental Practice Act license renewal requirements for dentists, dental hygienists, and currently licensed registered dental assistants.

Webinar will be accessible for one month starting from the day of purchase.

Periodontal and Implant Decision Making: From Treating the Ailing Tooth to the Failing Implant Webinar
Self-Paced Webinar

Understanding implant treatment planning requires both restorative and surgical perspectives. Further complicating implant dentistry are the challenges in treating the ailing implant. Surgically, implants are an obvious choice for edentulous areas, however challenges arise when replacement of questionable teeth with implants are contemplated. Periodontal literature provides insights when maintaining the dentition is possible. However, there are situations where the decision to replace teeth with implants is not very clear. The aim of the course is to explore the multiple facets of implant dentistry including the treatment of ailing implants in order to achieve a broad perspective that will be valuable to surgical and periodontal decision making.

Topics to be covered:
- Emerging therapies for treating peri-implantitis.
- Prevention of peri-implant disease.
- Alternatives to titanium implants.
- Periodontal diseases and their potential impact on implant prognosis.
- Tooth prognosis versus implant prognosis.
- Implants as foreign bodies.
- Peri-implant disease.
- Peri-implantitis in comparison to periodontitis lesions.
- Prognostic evaluation of teeth in treatment planning for implants.
- Prognosis of traditional therapy versus implant treatment.

Upon completion participant will know:
- Current concepts of peri-implantitis.
- Emerging modalities for treatment of peri-implant disease.
- Principals of osseointegration.
- Principals of implant site preparation and augmentation.
- Differences between treatment planning implants for sites with and without teeth.
- How to assign a concise prognosis for involved teeth.
- When to select teeth for strategic extraction
- Indications and contraindications for placing dental implants in periodontally compromised cases.

This course is intended for:
- Dentists, dental hygienists, dental assistants and all members of the dental team.

Webinar will be available for watch for one month starting from the day of purchase.
Parenteral Moderate Sedation for Dentists - Refresher

Re-Certification • Self-Paced Webinar

This is an ongoing series of topics, hands-on simulation, and discussion intended for the dentist already employing moderate sedation in their practice. Course content is structured on subject matter review, recognition and management of complications, and introducing new concepts into an already established dental practice utilizing moderate sedation.

Topics to be covered:
• Pharmacology related to sedation
• Monitoring
• Physiology
• Emergency management and complications
• ACLS (if enough participants need to have a recertification course)
• Case review, presentation, and panel discussion

This course is intended for:
• Dentists, Dental Hygienists, Dental Assistants
• Practitioners and their support staff who have been utilizing parenteral and enteral moderate sedation in their dental practices. Those practitioners seeking initial certification in moderate sedation may use the continuing education credit from this course towards required hours needed to complete the USC Parenteral Moderate Sedation certification course.*

* Must be completed within a certain amount of time (certain states have limitations on the time elapsed between didactics and live patient demonstration completion. Check your state board regulations.

Learning Implant Dentistry for the Restorative Dentist

Self-Paced Webinar

Part I Successful implant osseointegration is well documented over the past forty years. This program will educate the dentist in the most predictable manner to learn and treat patients that have missing teeth with the dental implant and its restoration. Aspects of treatment planning will be discussed and compared with conventional dentistry vs implant dentistry. The participant will become knowledgeable about CT scan, radiographic and surgical guides, implant components, implant provisional restorations, and screw retained and cement retained restoration. This course is designed for those that wish to begin implant treatment for their patients and those that would like a better basic understanding of dental implants.

Part II of this course is designed for the dentist who have some experience with implant dentistry and would like to improve their knowledge and skill with implant treatment planning, soft tissue manipulation, and final implant restorations. Discussion of single and multiple unit restorations will be discussed along with treatment planning implants and natural teeth for optimum results. The advantages and disadvantages of Implant impression techniques will be discussed so that the practitioner can become confident with any impression technique. Discussions of cement retained vs. screw retained implant restorations will be presented and recommendations will be presented for various situations.

This course is intended for:
• Dentists, dental hygienists, dental assistants
• Beginners with limited implant knowledge and whose goal is to familiarize with the procedures of Restorative Implant Dentistry.

Online Case Studies

Self-Paced Webinar

The cases will cover common odontogenic infections, odontogenic cysts and odontogenic tumors in addition to non-odontogenic conditions such as mucosal and submucosal pathology, cancers of the oral cavity and head and neck, autoimmune diseases, developmental abnormalities, skin lesions of the face, salivary gland diseases, orofacial pain conditions and diseases affecting the jaw bones and TMJ. Cases will be drawn from expert faculty, and will include clinical images, histopathology, and for hard tissue diseases often conventional and/or advanced imaging studies, including computerized tomography and TMJ tomography when appropriate.

This material is intended for:
• Dentists, dental hygienists, dental assistants.

Videos on Demand

Self-Paced Videos

Choose from the following world renowned presenters:

Dr. Hamoud Al Farsi • Dr. Monish Bhola • Dr. Hugo De Bruyn • Dr. Craig Misch • Dr. Rodrigo Neiva • Dr. Mario Roccuzzo • Dr. Tomaso Vercellotti • Ms. Susan Wingrove • Dr. Daniel Buser • Dr. Leandro Chambrone • Dr. Chris Chang • Dr. Winston Chee • Dr. Don Clem • Dr. Hugo De Bruyn • Dr. Sillas Duarte • Dr. Alon Frydman • Dr. Oscar Gonzalez-Martin • Dr. Ernesto Lee • Dr. Kenneth Lee • Ms. Diane Melrose • Dr. Raymond Melrose • Dr. Achille Peivandi • Dr. Waldemar Polido • Dr. Giano Ricci • Dr. Tizziano Testori

This material is intended for:
• Dentists, dental hygienists, dental assistants.
ONLINE LEARNING - SYSTEM REQUIREMENT

LIVE WEBINARS - ZOOM.US

Join Zoom meeting from your computer or phone:
Open the Zoom Meeting link in the email provided by USC Continuing Education or go to http://zoom.us, and enter the Meeting ID to join a meeting. Download and run the application if applicable.

Technical Support:
Call our continuing education office at +1-213-821-2127, email cedental@usc.edu, OR type in the chatbox provided by Zoom.

VIDEO ON DEMAND AND SELF-PACED ONLINE LEARNING - LITMOS

Join meeting from your computer or download Litmos App to view on your phone:
Open the Litmos course link in the email provided by USC Continuing Education, create your account and log in. Your assigned course will be located at your Dashboard. After watching all the modules/videos, please move to Quiz portion and complete as instructed.

We will send your CE unit to you via email. For any question regarding the course and CE, please contact our office at +1-213-821-2127 or cedental@usc.edu, M-F, 8:30 am - 5 pm PST.

Technical Support:
Call our continuing education office at +1-213-821-2127, email cedental@usc.edu.
**Contact Information**

Herman Ostrow School of Dentistry of USC.
Continuing Professional Education
925 West 34th Street, Room 4116, Los Angeles, CA 90089-0641
Tel: 213-821-2127 • Email: cedental@usc.edu
Fax: 213-740-3973 • Website: dentalcontinuingeducation.usc.edu

**Location**

Unless otherwise indicated, all courses are held at the Herman Ostrow School of Dentistry of USC, 925 West 34th Street, Los Angeles, California. Our check-in desk is located at the 1st floor east lobby. Room assignment and information will be indicated upon check-in. The public entrance to the dental school building is open regularly to the public is the main entrance located on 34th street.

**Registration**

All registrations are processed in the order in which they are received and based on availability. We suggest early registration especially for limited attendance courses and hands-on workshops. In order to secure place in a course, a completed registration form accompanied by payment must be received for each participant. We accept checks, Visa, MasterCard, Discover Card, cash, cashier’s check, and traveler’s check. For your convenience, you can use one of the following options:

- Online registration at dentalcontinuingeducation.usc.edu
- Call our office at 213.821.2127
- Fax your registration form to 213.740.3973
- Mail your completed registration form and payment to: Herman Ostrow School of Dentistry of USC. Continuing Professional Education, 925 W. 34th St., Room 4116, Los Angeles, CA 90089
- Wire option is available, please call for details.
- For courses over $2000, we accept payment in installment.

Registrations will be confirmed by mail (if time permits), fax, or electronically through e-mail. If you mail your registration, please allow sufficient time to qualify for early registration, since all mail must first go through the University mail system prior to reaching our office. Online registration will be processed within 48 hours.

**Credits**

The Herman Ostrow School of Dentistry of USC is an ADA CERP recognized provider. Courses offer continuing education credits in accordance with guidelines of the California State Board Dental Examiners on an hour-for-hour basis. Please refer to each course listing for the number of credit units awarded for a particular category. Certified dental assistants should contact the Dental Assisting National Board regarding their continuing education credit guidelines and course requirements. Upon completion of each course, participants will receive a verification of attendance, indicating the credit hours awarded. Continuing education credits awarded may not apply toward license renewal in all states. Course participants are responsible for maintaining their own records for license renewal and forwarding their course credit information to the appropriate licensure board(s).

**Refunds**

Refunds are granted only if written notification is received at least 14 business days prior to lecture courses and 21 business days before hands-on and limited attendance courses. 50% of the tuition will be refunded if cancellation occurs 7 business days prior to a lecture course and 14 business days prior to hands-on or limited attendance courses. No refunds are granted outside of these time periods. If insufficient enrollment necessitates cancellation of a course, all tuition fees will be refunded. A $75 fee is withheld for all processing. The Herman Ostrow School of Dentistry of USC cannot be responsible for refund of any part of the tuition as a result of emergencies, unforeseen circumstances, or events beyond its control. Also, Herman Ostrow School of Dentistry of USC is under no financial obligation to reimburse participants for airline tickets, hotel reservations, or any other cost incurred, should the need arises to cancel or reschedule programs.

**Tax Deduction**

The IRS allows an income tax deduction for continuing education course expenses when course content is designated to maintain or improve skills required for an individual’s business. Deductible expenses may include, among others, registration fees, cost of travel, meals and lodging. Please consult with your tax advisor or accountant.
**Disclaimers & Disclosures**

Continuing education courses do not necessarily reflect the philosophies of the pre-doctoral or post-doctoral training programs of the Herman Ostrow School of Dentistry of USC. Sponsorship of a continuing education course does not imply subject matter, product, procedure or technique endorsement. Courses may include subject matter of an experimental and/or controversial nature and commercial references. This material is offered to the dental profession for educational and informational purposes in a spirit of academic freedom. In addition, advertisement in this catalog does not equate to an endorsement or preference for any product or procedure. Participants are also advised that potential risks to patients may exist when using limited knowledge while integrating new techniques into their practice.

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.

The Herman Ostrow School of Dentistry of USC reserves the right to cancel any course, limit enrollment, modify the announced course content, or change the location, time, date and faculty of any course, as may be deemed necessary or advisable. Should a significant change occur every effort will be made to notify registered participants in advance.

The Herman Ostrow School of Dentistry of USC is not responsible for providing liability or malpractice insurance in workshop courses involving patients. Participants enrolled in courses which involve patients are required to provide proof of active dental license, CPR certification and insurance coverage. Registration in any continuing education program implies permission for photographs to be taken and used in future publications.

**Directions to USC University Park Campus**

The Herman Ostrow School of Dentistry of USC is located at 925 West 34th Street, Los Angeles, CA 90089. It is just minutes from downtown Los Angeles and easily accessible by major freeways.

- **From the North:** US-101 South to I-110 South. Exit Exposition Blvd. Turn right on Figueroa. Turn left on Jefferson Blvd.
- **From the South:** I-5 North to I-10 West, exit Vermont Ave South. Turn left on Jefferson Blvd.
- **From the East:** I-10 West, exit Vermont Ave South. Turn left on Jefferson Blvd.
- **From the West:** I-10 East, exit Vermont Ave South. Turn left on Jefferson Blvd.
THE USC 44TH ANNUAL INTERNATIONAL PERIODONTAL AND IMPLANT SYMPOSIUM
General Sessions: Fri - Sat, Jan 25 - 26, 2019
Dental Hygiene Forum: Sat, Jan 26, 2019
Dental Hygiene Hands-On: Sat, Jan 26, 2019
Cadaver Hands-On Workshops: Jan 23, 24, & 27, 2019

TEMPOROMANDIBULAR DISORDERS: FROM CAPSULITIS TO ARTHRITIS (LIVE WEBINAR AVAILABLE)
Fri, Feb 1, 2019

EMERGING DISEASES, INFECTION CONTROL AND CALIFORNIA DENTAL PRACTICE ACT (LIVE WEBINAR AVAILABLE)
Sat, Feb 2, 2019

ORAL SURGERY FOR THE GENERAL PRACTITIONER
Sat, Feb 9, 2019

ADULT AND PEDIATRIC ORAL CONSCIOUS SEDATION RECERTIFICATION PROGRAM (LIVE WEBINAR AVAILABLE)
Adult Oral Conscious Sedation: Saturday, Feb 9, 2019
Pediatric Oral Conscious Sedation: Sunday, Feb 10, 2019

MASTERING MOLAR ENDODONTICS
Fri - Sat, Feb 22 - 23, 2019

MINIMALLY INVASIVE ADHESIVE AND ESTHETIC DENTISTRY: A REVIEW OF AVAILABLE TREATMENT OPTIONS & MATERIALS
Fri, Mar 1, 2019

USC RUTH RAGLAND 33RD DENTAL HYGIENE SYMPOSIUM
Sat, Mar 2, 2019

THE SECRETS OF GUIDED BONE REGENERATION IN IMPLANT DENTISTRY: HANDS-ON WORKSHOP
Sat, Mar 9, 2019

FUNDAMENTAL PRINCIPLES OF RESTORATIVE IMPLANT DENTISTRY FOR THE SINGLE MISSING TOOTH
Part I - Lecture: Fri, Mar 22, 2019
Part II - Hands-On: Sat, Mar 23, 2019

INTERVENTION FOR TMD, MYOFASCIAL PAIN AND HEADACHES (LIVE WEBINAR AVAILABLE)
Fri - Sat, Mar 22 - 23, 2019

NO MORE ANTERIOR CROWNS: VENEERS AS A SUBSTITUTE FOR A FULL CROWN
Fri, Mar 29, 2019

UPDATE ON DENTAL TRAUMA
Sat, Mar 30, 2019
### Registration Form

**First Name**  
**Middle Name**  
**Last Name**

**Title**  
**Specialty**  
**Dental Lic #**  
**USC Alumni**

**Address**

**City**  
**State**  
**Zip Code**

**Business Phone**  
**Additional Phone (Optional)**

**Email**  
**Fax**

**Additional Enrollees**

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**Total**

**Check Number (Payable to USC School of Dentistry)**  
**Visa**  
**Mastercard**  
**Discover**

**Card Number**  
**Expiration Date**  
**Security Code**

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Herman Ostrow School of Dentistry of USC  
Continuing Professional Education  
925 W. 34th Street, Room 4116  
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Phone: 213.821.2127  
Fax: 213.740.3973  
Email: cedental@usc.edu

Online Registration Available at dentalcontinuingeducation.usc.edu

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