Porcelain veneers have become a popular procedure. However, without a comprehensive and sequential esthetic evaluation, diagnosis, material selection, treatment plan and execution, the successful outcome of porcelain veneers is hard to predict. Supragingival dentistry techniques have made this procedure easier and more predictable than ever before. Dr. Ruiz will explain how correct preparation technique affects the selection of the restorative porcelain material, based on the specific case needs, and how to achieve adequate balance of translucency and strength needed for excellent margin blending for supragingival or para- gingival margins. A logical approach for choosing the correct cement and bonding systems for predictable results will also be presented.

In addition, to predictably achieve patient satisfaction, it is imperative to have excellent communication with the patients, understand their unique esthetic perspective and goals, and systematically blend it with the operator’s esthetic preferences and goals. Also, before any case is initiated, it is imperative to properly diagnose the etiology of the condition requiring esthetic treatment. It is crucial to diagnose “occlusal disease” as it is often a major cause of a shorter life span of restorations. In this course, a practical clinical approach to implement smile design and occlusion to diagnosis and treatment planning of porcelain veneers will be presented.

Upon completion of this course participants will:

- Learn how to safely restore severely worn out incisal edges
- Recognize the importance of diagnosis of occlusal disease and its correlation with long lasting restorations
- Understand supra-gingival veneer preparation techniques
- Recognize the symptoms of occlusal disease and their relationship with longevity of porcelain veneers
- Know how to choose the correct restorative porcelain material for each specific case
- Understand what substrate is most suitable for long term bonding stability and how to better bond to each substrate
- Be able to select bonding systems and techniques yielding better long-term results
- Learn the 25 parameters of dento-facial of smile design

Course Director
Dr. Jose-Luis Ruiz

Faculty
Dr. Jose-Luis Ruiz

Tuition
Before December 15, 2016:
Dentist $265, Auxiliary $225

After December 15, 2016:
Dentist $315, Auxiliary $270

On-site registration:
Dentist $355, Auxiliary $300
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 patient 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.

Topics to be covered:
• Implant introduction- history, types
• CT scans- reading and identifying structures and position of implants
• Radiographic/surgical guides
• Implant components - screw drivers, abutments, screws, etc.
• Implant position
• Treatment planning for simple implant restorations
• Implant provisional restorations
• Soft tissue management for implant restorations
• Cement vs screw retained restorations

Upon completion of this course participants should:
• Know implant components with parts identification
• Be able to discuss optimal implant position
• Understand use and purpose of radiographic and surgical guide
• Know treatment planning sequence for uncomplicated implant
• Know the financial implications of implants vs conventional dentistry
• Be able to manipulate soft tissue around implant for best gingival architecture
• Know the sequence for delivering the uncomplicated implant restoration

* This course is intended for beginners with limited implant knowledge and whose goal is to familiarize with the procedures of Restorative Implant Dentistry. Part II (April 1, 2017) course information can be found on page 18.

Course Director
Dr. George Cho

Faculty
Dr. George Cho

Tuition
Before December 15, 2016:
Dentist $275, Auxiliary $225
After December 15, 2016:
Dentist $315, Auxiliary $270
Have you ever had a routine dental extraction that turned ugly? Don't let minor complications such as broken root tips stump you! Learn how to manage oral surgery cases with confidence and minimal stress.

This all-day lecture course is designed for general dentists who wish to expand their oral surgery experience and better understand and manage dento-alveolar surgical procedures. This comprehensive course will offer you, the general practitioner, an opportunity to better handle your extraction cases, manage complications and know what to avoid.

Upon completion of this course participants will know how to:

- Perform pre-operative patient evaluation and assess difficult extractions
- Better manage medically compromised patients
- Prescribe medications most commonly used for oral surgery
- Incorporate the latest updates on managing patients on bisphosphonates
- Apply effective local anesthesia techniques
- Use instrumentation for atraumatic extraction and dento-alveolar surgery
- Apply tissue management and flap designs for various surgical procedures
- Effectively retrieve broken root tips utilizing principles of exodontia
- Assess the advantages and disadvantages of socket grafting and the relevance of choosing a graft material
- Manage complications more efficiently

**Course Director**

Dr. Bach Le

**Faculty**

Dr. Bach Le, Dr. James McAndrews, Dr. Dennis-Duke Yamashita

**Tuition**

Before December 15, 2016:
Dentist $345, Auxiliary $280

After December 15, 2016:
Dentist $395, Auxiliary $335
Fundamental Principles of Restorative Implant Dentistry for the Single Missing Tooth

Herman Ostrow School of Dentistry of USC
Part I - Lecture: Friday, January 27, 2017
Part II - Lecture, Demonstration, and Hands-On: Saturday, January 28, 2017
8:00am - 5:00pm
8 Hours of Continuing Education Per Day
Lecture • Hands-On

In this introductory course, participants will gain proficiency in diagnosis and treatment planning for the single missing anterior or posterior tooth, and will master the restorative steps for single posterior implant and single anterior implant. Restorative decision making and execution will be transformed into a simple and easy process. Participants will also learn how to avoid and manage restorative complications. The lecture on day one will address all of the above topics. On day two, in addition to demonstrations by the instructor, participants will have the opportunity to participate in a hands-on workshop featuring impression-making techniques and fabricating provisional restorations, custom impression copings and custom abutments.

DAY I - LECTURE ONLY:
Diagnosis and treatment planning
• Standard of care
• Indications and contraindications for dental implants
• Options for replacement of a single missing tooth

Implant prosthetics
• Cement vs screw retained restorations
• Abutment selection
  - Prefabricated stock abutments
  - Custom computer designed abutments
• Provisionalization
• Impression techniques
• Biomechanics and occlusion

DAY II - LECTURE AND HANDS-ON:
Demonstrations: Instructor will demonstrate
• Fabrication of single unit provisional restorations
• Fabrication of custom impression copings
• Fabrication of custom abutments

Hands-On: Participants will have the opportunity to
• Make abutment level and implant level impressions
• Attach abutments to implants
• Learn proper use of a torque driver
• Fabricate single unit provisional restorations
• Fabricate a custom impression coping
• Fabricate a pattern for a custom abutment

Who will benefit from attending this course:
• Dentists with limited implant knowledge
• Allied health professionals

* This course is intended for beginners with limited implant knowledge and whose goal is to familiarize with the procedures of Restorative Implant Dentistry. Part II (March 31 – April 1, 2017 - Page 16) and Part III (June 16 – 17, 2017) course information can be found on individual course page.

Course Director
Dr. Baldwin Marchack

Faculty
Dr. Baldwin Marchack

Tuition
Before December 15, 2016:
Lecture Only: $345
Lecture & Hands-On: $1,295

After December 15, 2016:
Lecture Only: $395
Lecture & Hands-On: $1,395
Adult and Pediatric Oral Conscious Sedation Recertification Program
Herman Ostrow School of Dentistry of USC
Day 1 - Adult Oral Conscious Sedation: Saturday, January 28, 2017
Day 2 - Pediatric Oral Conscious Sedation: Sunday, January 29, 2017
9:00am - 5:00pm
7 Hours of Continuing Education Per Day
Recertification Course

This course is a recertification program designed to safely provide oral conscious sedation for adult and pediatric patients through the study of physiology and pharmacology.

The course on Day 1 will complete the 2 year requirement (7 CE hours) for recertification of adult oral sedation. The course on Day 2 will complete the 2 year requirement (7 CE hours) or the recertification of pediatric oral sedation.

Pediatric oral sedation is defined as 13 and younger. Only recertification courses will be offered. This is NOT an initial certification course.

There will be a review of physiologic principles and how key features affect the administration of sedative medications in different patient populations. Emergency management will be covered in a realistic and applicable manner that reflects the likely scenarios to be encountered when introducing sedation to the dental office. There will be discourse of emergency prevention and proper office training.

This course will discuss various medications, techniques, and combinations found in published literature, in addition to popular contemporary techniques, with an emphasis on evaluating risk benefit ratios for each. There will be a review on how patient selection and medication selection can help maximize success and reduce the stress of failed outcomes.

There will be an assessment of probabilities and statistics in relation to the dangers of sedation, and how to utilize this data to make purposeful treatment decisions.

Upon completion of this course, participants should be able to:
• Develop a broad knowledge base in the administration of oral conscious sedation.
• Review the techniques and principles of sedation that help uncover the relationship between effectiveness and safety.
• Provide established and novel concepts in sedation for the recertification of an Oral Conscious Sedation Permit in California.

Course Director
Dr. James Tom

Faculty
Dr. James Tom, Dr. Rebecca Rees, Dr. Zachary Van Hilsen, Dr. Philip Yen

Tuition
Before December 1, 2016:
Day 1 - Dentist: $400
Day 2 - Dentist: $400
Both Days - Dentist: $695

After December 1, 2016:
Day 1 - Dentist: $475
Day 2 - Dentist: $475
Both Days - Dentist: $795
Temporomandibular Disorders: From Capsulitis to Arthritis
Herman Ostrow School of Dentistry of USC
Friday, February 3, 2017
9:00am – 5:00pm
7 Hours of Continuing Education
Lecture • Live Webinar

This course focuses on the four main categories of Temporomandibular Disorder, namely arthrogenic, myogenic, derangements and uncommon TMD. The lectures will review the current standards for medical history and physical examination required for diagnosis.

Topics to be covered:
• TMJ anatomy.
• TMJ mechanics.
• TMJ radiology including the use of 3D-CT.
• TMJ Dysfunction.
• Evidence-based treatment procedures.

Upon completion of this course participants should:
• Know the basics of TMJ anatomy and its clinical application.
• Identify the various types of TMJ disorders.
• Understand the mechanism of myofascial pain induction and maintenance.
• Know the appropriate use of TMJ radiology procedures including 3D-CT, panoramic films and MRI images.

Webinar System Requirements:

On a PC: Internet Explorer 7.0 or newer, Mozilla Firefox 4.0 or newer or Google Chrome 5.0 or newer (JavaScript enabled); Windows 8, 7, Vista, XP or 2003 Server; Cable modem, DSL or better Internet connection; Dual-core 2.4GHz CPU or faster with 2GB of RAM (recommended); Participants wishing to connect to audio using VoIP will need a fast Internet connection, a microphone and speakers. (A USB headset is recommended.)

On a Mac: Safari 3.0 or newer, Firefox 4.0 or newer or Google Chrome 5.0 or newer (JavaScript enabled); Mac OS X 10.6 – Snow Leopard or newer; Intel processor (1GB of RAM or better recommended); Cable modem, DSL, or better Internet connection; Participants wishing to connect to audio using VoIP will need a fast Internet connection, a microphone and speakers. (A USB headset is recommended.)

On an iPad, iPhone or Android device: Free GoToMeeting app from the App Store or Google Play; WiFi connection recommended to use VoIP

Course Director
Dr. Glenn Clark

Speakers
Dr. Glenn Clark, Dr. Mariela Padilla, Dr. Jack Broussard, Dr. Saravanan Ram, Dr. Rick Borquez, and Dr. Sal Manriquez

Tuition
Before January 1, 2017:
Dentist $275, Auxiliary $235
Webinar: Dentist $220, Auxiliary $160

After January 1, 2017:
Dentist $295, Auxiliary $250
Webinar: Dentist $290, Auxiliary $220
The recognition over the past three decades 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, topical antibiotics and topical antiseptics. Systemic antibiotic therapy can be essential in eliminating pathogenic bacteria 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 (250-375 mg of each/three times daily/8 days) and metronidazole-ciprofloxacin (500 mg of each/twice daily/8days). Microbiological analysis helps determine the optimal antibiotic therapy and the effectiveness of treatment. Topical antibiotics that are commercially available as 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 various types of periodontal disease. Treatment protocols and cases will be presented.

Topics to be covered:

- 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 part of the course is extremely valuable and the information is not being presented in other CE courses in the USA)

The course will present data from clinical scientific studies and from own clinical case reports on antimicrobial periodontal therapy. In a clinical demonstration, the course participants will experience, in their own mouth, an instantaneous benefit of effective antimicrobial therapy.
It is with a great deal of enthusiasm that I would like to invite you to attend the 42nd International USC Periodontal & Implant Symposium. The theme of this year’s symposium will be: “Risks & Rewards”. The concept is that risk assessment is an essential component of selecting an appropriate therapy for patients and predicting the outcome of the desired therapy. A variety of risk assessment tools are available to assess individual patient’s risks (eg. Periodontitis, peri-implantitis, prosthetic success, etc), as well as their outcome following therapy (surgical wound healing, disease relapse, prosthetic survival, etc). In order to manage patient risks, a variety of diagnostic and therapeutic techniques and technologies have been developed. These developments are some of the most exciting and important advancements of clinical dentistry. A panel of internationally renowned experts will present the most important challenges that face clinicians every day as well as provide risk assessment tools to help clinicians select the appropriate diagnostic and therapeutic strategies. The program boasts five days with a diverse range of educational opportunities. The two-days of general sessions will include lecture presentation and case presentations, as well as expert panel discussion. In addition, there are a variety of surgical and prosthetic hands-on workshops on models, animal jaws, as well as four cadaver workshops. Although the majority of the general-session presentations are interdisciplinary in nature, there are also sessions designated as “Surgical Track”, “Restorative Track” and “Dental Hygiene Forum” that focus on specific disciplines. The program is sure to inspire you and provide material, which are very germane to clinical practice. This is an educational opportunity not to be missed by the entire oral healthcare team, including specialists, restorative dentists, dental hygienists and dental technologists.

We hope to see you all in Los Angeles in February 2017.

Symposium Chair
Dr. Homayoun Zadeh

Speakers
Hamoud Al Farsi, Neema Bakhshalian, Monish Bhola, Ernest Cholakis, Jan D’Haese, Hugo De Bruyn, Nobu Kitahara, Niklaus Lang (Keynote Speaker), Pascal Magne, Seiko Min, Craig Misch, Rodrigo Neiva, Michael Pikos, Andrea Ricci, Mario Roccuzzo, Paul Rosen, Mariano Sanz, Tomaso Vercellotti, Susan Wingrove, and Homa Zadeh

At Millennium Biltmore Hotel:
General Session
(February 10 - 11, 2017):
Before December 1, 2016:
Dentist $545, Auxiliary $465
By January 5, 2017:
Dentist $625, Auxiliary $530
After January 5, 2017:
Dentist $695, Auxiliary $590

Dental Hygiene Forum
(February 11, 2017):
Before December 1, 2016:
Dentist & Auxiliary $155
By January 5, 2017:
Dentist & Auxiliary $175
After January 5, 2017:
Dentist & Auxiliary $195

Hands-On Dental Hygiene Workshop
• Susan Wingrove, RDH, BS
(February 11, 2017, 3:30 - 5:30 pm):
Before/After Dec 1, 2016: $105/$125

Hands-On Model Workshops
(February 10, 2017, 4 - 6 pm):
• Rodrigo Neiva
• Neema Bakhshalian
• Ernest Cholakis
(February 11, 2017, 4 - 6 pm):
• Hugo De Bruyn

Before/After Dec 1, 2016: $495/$565 per workshop

Cadaver Workshops at USC:
• Homa Zadeh (Feb 8, 2017) - Modular bone augmentation (MBA) in posterior mandible
• Mario Roccuzzo (Feb 9, 2017) - Practical techniques for peri-implant soft tissue augmentation
• Tomaso Vercellotti (Feb 12, 2017) - Novel techniques for sinus augmentation
• Alfonso Gil & Seiko Min (Feb 12, 2017) - Periodontal plastic surgery
Before/After Dec 1, 2016: $1,895/$1,995 per cadaver workshop
Mastering Molar Endodontics
Herman Ostrow School of Dentistry of USC
Friday - Saturday, February 24 - 25, 2017
9:00am - 5:00pm
Limited Attendance
14 Hours of Continuing Education
Lecture • Hands-On

Molar endodontics often present challenges to the clinician. These may include difficulty in isolation and access, negotiation of curved and narrow root canals, calcified canals, difficulty in canal obturation, and managing anatomical variations. However, many advances in technology, materials, and equipment have made it possible today to efficiently perform successful molar endodontic treatment with more precision and predictable results.

This two-day intensive course includes lectures and hands-on workshops and is specially designed for General Dentists who wish to advance their clinical skills when performing molar endodontics. Participants will learn how to perform efficient endodontic access, clean and shape the root canal system, and finally obturate in a predictable manner. Participants will also perform endodontic treatment from start to finish in real maxillary and mandibular molar teeth. Without a doubt, this course will help you master molar endodontics.

Topics to be covered:
• Endodontic anatomy and morphology of molar teeth
• Modern principles of endodontic access
• Root canal length determination - radiographic and electronic
• Cleaning and shaping of molar root canals
• Nickel Titanium rotary instrumentation
• Procedural errors and their prevention
• Root canal obturation
• Case selection for molar endodontics

Upon completion of this course participants should:
• Enhance their knowledge of the clinical concepts of molar endodontics
• Successfully treat both upper and lower molar teeth
• Apply system-based approaches for treating molar endodontic cases
• Approach molar endodontic cases with more confidence and enjoy more predictable results
• Know when and what to refer

Course Director
Dr. Ilan Rotstein

Faculty
Dr. Ilan Rotstein, Dr. Thomas Levy, Dr. Rafael Roges, Dr. Yaara Berdan, Dr. Daniel Schechter, Dr. Louis Schwarzbach, Dr. Jaydeep Talim, Dr. Anthony Tran

Tuition
Before February 1, 2017: $1,495
After February 1, 2017: $1,595
Emerging Diseases, Infection Control and California Dental Practice Act

Herman Ostrow School of Dentistry of USC
Saturday, February 25, 2017
9:00am - 4:00pm
6 Hours of Continuing Education
In-Person Lecture

Sunday, February 26, 2017
1:00pm - 5:00pm
4 Hours of Continuing Education
Webinar

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 new disease is developing. The signs and symptoms of many emerging diseases such as Methicillin-resistant Staphylococcus aureus (MRSA), variant Creutzfeldt-Jakob (Mad Cow Disease), The Middle East respiratory syndrome coronavirus (MERS), Avian flu and the West Nile Virus will be described and effective preventive measures will be discussed. The course will also cover topics such as general disease transmission, universal and standard precautions, disinfection and sterilization as well as proper waste management.

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.

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.

Upon completion of this course participants 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 on Sunday, February 26, 2017 will cover 2 hours of Emerging Diseases and 2 hours of Infection Control.

Webinar System Requirements:
On a PC: Internet Explorer 7.0 or newer, Mozilla Firefox 4.0 or newer or Google Chrome 5.0 or newer (JavaScript enabled); Windows 8, 7, Vista, XP or 2003 Server; Cable modem, DSL or better Internet connection; Dual-core 2.4GHz CPU or faster with 2GB of RAM (recommended); Participants wishing to connect to audio using VoIP will need a fast Internet connection, a microphone and speakers. (A USB headset is recommended.)

On a Mac: Safari 3.0 or newer, Firefox 4.0 or newer or Google Chrome 5.0 or newer (JavaScript enabled); Mac OS X 10.6 – Snow Leopard or newer; Intel processor (1GB of RAM or better recommended); Cable modem, DSL, or better Internet connection; Participants wishing to connect to audio using VoIP will need a fast Internet connection, a microphone and speakers. (A USB headset is recommended.)

Tuition
Before February 1, 2017:
- Dentist $195, Auxiliary $165
- Webinar: Dentist $145, Auxiliary $115

After February 1, 2017:
- Dentist $275, Auxiliary $235
- Webinar: Dentist $165, Auxiliary $135

On-site registration:
- Dentist $295, Auxiliary $250

On an iPad, iPhone or Android device: Free GoToMeeting app from the App Store or Google Play; WiFi connection recommended to use VoIP

Course Director
Dr. Joyce Galligan

Faculty
Dr. Joyce Galligan, Patricia Galligan, JD
The introduction of dental implants has revolutionized dentistry, offering patients treatment that has not been possible before. Every treatment modality may encounter complications and implant dentistry is not different in this regard. It is therefore essential to be prepared for these complications and be able to manage them successfully once they occur. While there is no substitute for clinical experience, exposure to a variety of complication scenarios along with their appropriate remedies and preventative measures will render the clinician prepared when these inevitably occur. This lecture and hands-on course will review a variety of complications, offer a thorough analysis and demonstrate their successful management. In addition, participants will also learn how to prevent these complications from occurring.

Module I: Lecture includes
• Loose implant restorations: differential diagnosis & treatment
• Damaged and fractured screws, abutments and implants
• Identification of implants
• Management of existing implants of unknown origin
• Esthetic, phonetic and functional complications
• Complications during impressions and laboratory procedures
• Implants and orthodontics conflicts
• Miscommunication between patient, laboratory and dentist
• Protocols to resolve implant complications
• Financial considerations of complications

Module II: Hands-On Workshop (Limited attendance)
Implant Dentistry Emergencies

During this unique workshop, participants will use simulation models and encounter different complication scenarios. Participants will learn to address these complications successfully and will gain experience in situations such as repeated screw loosening, retrieving fractured screws and managing damaged implants, among other scenarios.

Course Director and Speaker
Dr. Harel Simon

Faculty
Dr. Harel Simon, Dr. Joseph Field, Take Katayama, CDT

* This course can be taken alone or as a part of the Esthetic Full-Mouth Implant Reconstruction Program. To register for the full year program, please visit www.USCestheticIMPLANT.org or call 213-821-2127 for details.

Tuition
Module I - Lecture (Friday, March 3, 2017)
Before February 1, 2017:
Dentist $295; Auxiliary $250
After February 1, 2017:
Dentist $375; Auxiliary $320

Module II - Hands-On (Saturday, March 4, 2017)
Before February 1, 2017:
Dentist $1,465; Auxiliary $1,245
After February 1, 2017:
Dentist $1,545; Auxiliary $1,315

Complete Course (Module I & II - Lecture and Hands-On)
Before February 1, 2017:
Dentist $1,595; Auxiliary $1,355
After February 1, 2017:
Dentist $1,695; Auxiliary $1,440
Implant Therapy in the Esthetic Zone
Herman Ostrow School of Dentistry of USC
Friday, March 10, 2017, 8:00am - 5:00pm
Saturday, March 11, 2017, 8:00am - 4:00pm
Sunday, March 12, 2017, 8:00am - 1:00pm
20 Hours of Continuing Education
Lecture • Hands-On

The anterior maxilla is often referred to as the “esthetic zone.” Tooth replacement in the esthetic zone presents unique challenges for the clinician. Yet, achievement of optimal esthetics in this area can be most rewarding. The prerequisites for achieving a successful esthetic outcome in this region include: 1) knowledge of the biology of the implant-prosthesis-tissue interface and their post-treatment alterations; 2) careful preoperative treatment planning; 3) augmentation of hard and soft tissues when deficiencies exist; and 4) attention to details in the execution of surgical and prosthetic techniques. This course will review the biological fundamentals, as well as the clinical, surgical and restorative techniques involved.

The course is recommended for:
• Surgical specialists and restorative dentists who would like to acquire a more in-depth and comprehensive understanding, as well as practical skills to achieve predictable treatment outcome in the esthetic zone
* This course is suitable for clinicians with intermediate or advanced experience in implant dentistry.

Topics to be covered:
• Biology of implant-prosthesis-tissue interface
• Factors affecting the stability of the peri-implant tissues
• Treatment planning and case selection:
  - Surgical considerations
  - Prosthetic considerations
• Diagnostic tools: CT imaging, surgical guide
• Computer-assisted implant positioning
• The applications of the microscope in implant surgery
• Influence of implant component design on esthetic outcome
• Selection and sequencing of implant site-development techniques
• Orthodontic therapy for site development
• Vestibular Incision Subperiosteal Tunnel Access (VISTA) for soft tissue augmentation
• VISTA for ridge augmentation in the esthetic zone
• Papilla preservation and regeneration around implants
• Minimally invasive tooth extraction
• Ridge preservation and augmentation
• Immediate vs. staged implant placement
• Minimally invasive implant placement
• Immediate vs. delayed implant loading
• Implant impression techniques
• Abutment selection
• Provisional placement: immediate vs. staged
• Laboratory techniques and procedures

Hands-on workshop + Live surgery demonstration:
• Minimally invasive tooth extraction
• Socket preservation techniques
• Implant placement into extraction socket
• VISTA for soft tissue augmentation
• Abutment selection
• Provisional fabrication

Course Director
Dr. Homayoun Zadeh

Speakers
Dr. Ramin Mahallati, Dr. Seiko Min, Dr. Homayoun Zadeh

Tuition
Before February 10, 2017:
Dentist $1,995, Auxiliary $1,695

After February 10, 2017:
Dentist $2,195, Auxiliary $1,865
The Ruth Ragland Symposium is designed to present cutting edge information on periodontal nonsurgical therapies, clinical techniques, anesthesia, preventive strategies for dental caries and methods for the effective delivery of oral health care.

LOCAL ANESTHETICS – Dentistry’s Most Important Drugs
Local anesthesia forms the backbone of pain control techniques in contemporary dental practice. The subject of pain control in dentistry has undergone a recent renewal of interest, a renaissance. In this program Doctor Malamed will present an in-depth discussion of the many aspects of this important area of daily dental practice.

An important area of research has been the development of new drugs, both local anesthetics, such as articaine, as well as drugs to reverse soft tissue anesthesia – phentolamine mesylate, buffered lidocaine – producing a more rapid onset, more comfortable injection and more profound anesthesia, and the nasal local anesthetic mist – Kovanaze, providing needle-less anesthesia to maxillary non-molar teeth. These and other areas of current research into improving pain control will be discussed.

Is the “Mandibular Block” Passé?
Local anesthesia forms the backbone of pain control techniques in contemporary dental practice. The subject of pain control in dentistry has undergone a recent renewal of interest, a renaissance. In this program Doctor Malamed will present an in-depth discussion of the problem in achieving MANDIBULAR ANESTHESIA.

The traditional ‘mandibular nerve block’ has one of the lowest success rates of major nerve blocks administered in the human body. Newer techniques, such as the Gow-Gates mandibular nerve block; Akinosi-Vazirani closed mouth mandibular nerve block; intraosseous anesthesia; periodontal ligament injection (PDL) and intraseptal techniques have been developed in an effort to improve success in this area. The local anesthetic articaine HCl has been demonstrated to have significant success when administered by mandibular infiltration in adults, while more recently the ability to buffer local anesthetic solutions has demonstrated potential to both increase the rate of onset of anesthesia as well as increasing its depth. These techniques will be reviewed in this program.

Course Director
Diane Melrose, RDH, BS, MA

Speaker
Stanley F. Malamed, DDS

Tuition
Before February 15, 2017:
Dental Hygienist or Dentist: $215

After February 15, 2017:
Dental Hygienist or Dentist: $265
Interventions for TMD, Myofascial Pain and Headaches

Lecture: Friday, March 24, 2017
Demonstration Workshop: Saturday, March 25, 2017
9:00am - 5:00pm
Herman Ostrow School of Dentistry of USC
7 Hours of Continuing Education Per Day
Lecture • Workshop • Live Webinar

DAY I - LECTURE ONLY:
Intervention for TMD: Physical Therapy, Injections and Splints
This course reviews the appropriate pharmacologic, behavioral, splint therapy and physical medicine management procedures for TMD. For example, myofascial pain-based exercises include stretching, mobilization and manipulation methods. Muscle injections (e.g. triggerpoint anesthetic and botox injections) and joint injections (e.g. sodium hyaluronate, arthrocentesis and corticosteroids) will be discussed. The commonly used occlusal orthotic devices will also be discussed and the common recommended prescriptions for pain and spasm management will be reviewed.

Topics to be covered:
• Pharmacology for TMD.
• The use of Biofeedback for TMD.
• Splints, types and indications.
• Myofascial pain protocol: exercises, stretching.
• TMJ mobilization methods.
• Muscle and joint injections.

Upon completion of this course participants should:
• Select medications for TMD.
• Understand the role of the behavioral therapy for TMD.
• Select a splint accordingly with a case requirement.
• Describe the MFP protocol.
• Be familiar with the TMJ mobilization methods.
• Know the different injection protocols for TMD and muscle disorders.

DAY II - DEMO WORKSHOP:
Interventions for Myofascial Pain and Headaches
This workshop gives the participants the opportunity to learn how to perform a physical examination on patients with TMD. The goal of the workshop is to review how to take a history, perform an examination and come up with a tentative diagnosis and effective treatment plan. Also, the participants will practice therapeutic approaches to TMD including Trigger point identification, Stretching, and TMJ mobilization. The injection techniques will be performed in anatomical models.

Topics to be covered:
• Medical History.
• Trigger Point Mapping.
• Muscle Stretching.
• Spray and Stretch technique.
• Trigger points.
• Botox Injections.
• Splint selection and delivery.
• Physical Therapy for TMD.

Upon completion of this course participants should:
• Understand the process of establishing a TMJ diagnosis using a standardized TMJ examination.
• Know the options for occlusal splint therapy.
• Understand the various modalities of physical therapy used for TMD.
• Understand the management of chronic myofascial pain using fluoromethane and trigger point therapy.
• Know when to perform intramuscular and intra-articular injections.

Course Director
Dr. Glenn Clark

Faculty
Dr. Glenn Clark, Dr. Mariela Padilla, Dr. Jack Broussard, Dr. Saravanan Ram, Dr. Rick Borquez, and Dr. Sal Manriquez

Webinar System Requirements:
On a PC: Internet Explorer 7.0 or newer, Mozilla Firefox 4.0 or newer or Google Chrome 5.0 or newer (JavaScript enabled); Windows 8, 7, Vista, XP or 2003 Server; Cable modem, DSL or better Internet connection; Dual-core 2.4GHz CPU or faster with 2GB of RAM (recommended); Participants wishing to connect to audio using VoIP will need a fast Internet connection, a microphone and speakers. (A USB headset is recommended.)

On a Mac: Safari 3.0 or newer, Firefox 4.0 or newer or Google Chrome 5.0 or newer (JavaScript enabled); Mac OS X 10.6 – Snow Leopard or newer; Intel processor (1GB of RAM or better recommended); Cable modem, DSL, or better Internet connection; Participants wishing to connect to audio using VoIP will need a fast Internet connection, a microphone and speakers. (A USB headset is recommended.)

On an iPad, iPhone or Android device: Free GoToMeeting app from the App Store or Google Play; WiFi connection recommended to use VoIP

Tuition
Before March 1, 2017:
Dentist $495, Auxiliary $425
Webinar: Dentist $420, Auxiliary $360

After March 1, 2017:
Dentist $575, Auxiliary $495
Webinar: Dentist $490, Auxiliary $420
The Secrets of Guided Bone Regeneration in Implant Dentistry: Hands-On Workshop
Herman Ostrow School of Dentistry of USC
Saturday, March 25, 2017
9:00am - 5:00pm
7 Hours of Continuing Education
Lecture • Hands-On

This bone graft course will feature a combined one-day scientific lecture and hands-on workshop. The course will focus primarily on the principles of guided bone regeneration in implant dentistry and on the most up-to-date techniques in bone grafting to improve long-term clinical success with dental implants. This course is designed for the clinician that has prior implant experience and would like to broaden his/her knowledge and scope of practice and improve surgical skill.

Upon completion of this course participants should know:
• The biologic basis of bone regeneration
• The criteria for patient selection
• Step-by-step surgical procedure
• Properties of barrier membranes
• Selection of biomaterials
• Biologic modifiers and their relationship to bone regeneration
• Flap design for optimal esthetic and predictability
• Guided bone regeneration in various post-extraction defects
• Guided bone regeneration for simultaneous implant placement
• Guided bone regeneration for vertical ridge augmentation
• The proper use of screws in the “screw tent-pole grafting” technique
• All aspects of the post-operative management
• Recognition and management complications associated with guided bone regeneration

Course Director
Dr. Bach Le

Faculty
Dr. Bach Le

Tuition
Before Mar 1, 2017:
Dentist $995; Auxiliary $895
After Mar 1, 2017:
Dentist $1,195; Auxiliary $1,095
Intermediate Dental Implant Restorative Principles, Procedures and Protocols

Herman Ostrow School of Dentistry of USC
Part I - Lecture: Friday, March 31, 2017
Part II - Lecture, Demonstration, and Hands-On:
Saturday, April 1, 2017
8:00am - 5:00pm
8 Hours of Continuing Education Per Day
Lecture • Hands-On

In this course, participants will gain confidence and proficiency in restoring any type of implant connection. Both internal and external connections will be discussed, and advantages and disadvantages of the various types of connections will be analyzed. Participants will also learn when certain connections are indicated or preferred and how to participate in the decision making process with the oral surgeon or periodontist. The management of implants from single unit to multiple units in the partially edentulous arch will be discussed. On day one, lectures will address all of the above topics. On day two, in addition to lectures and demonstrations by the instructor, participants will have the opportunity to participate in a hands-on workshop including impression-making techniques, fabricating custom impression copings, fabricating provisional restorations for different types of implant connections, and provisional restorations for multiple implants.

DAY I - LECTURE ONLY:
Diagnosis and treatment planning
- Different types of implant abutment connections
  - External -hex
  - Internal -hex, trilobe, conical, conical with hex, and others
- Advantages and disadvantages
- Indications and contraindications for use
- Different brands and their connection types
- Multiple missing teeth
- Number of implants required to replace multiple missing teeth

Implant prosthetics
- Cement vs screw retained restorations
- Abutment selection
  - Prefabricated stock abutments
  - Custom computer designed abutments
- Engaging vs non-engaging
- Material selection, strength, indication
- Splint or individual
- Splinting at implant level
- Splinting at abutment level
- Splinting at the restoration level
- Abutment screws – different head-recess size/designs
- Provisionalization
- Impression techniques
- Biomechanics and occlusion
- Surgical guides

DAY II - LECTURE AND HANDS-ON:
Demonstrations: Instructor will demonstrate
- Fabrication of single unit provisional restoration using different implant connections
- Fabrication of multiple unit provisional restoration

Hands-On: Participants will have the opportunity to
- Learn proper use of a torque driver
- Make implant level impressions for different types of connections
- Make accurate multiple unit impressions
- Attach abutments to implants
- Fabricate single unit provisional restoration using different connections
- Fabricate multiple unit provisional restoration

Who will benefit from attending this course:
- Dentists with limited implant knowledge
- Practitioners with previous clinical implant experience
- Allied health professionals

* Part I (January 27 - 28, 2017 - Page 4) and Part III (June 16 - 17, 2017) course information can be found on individual course page.

Course Director
Dr. Baldwin Marchack

Speaker
Dr. Baldwin Marchack

Tuition
Before March 1, 2017:
Lecture Only: $345
Lecture & Hands-On: $1,295

After March 1, 2017:
Lecture Only: $395
Lecture & Hands-On: $1,395
This comprehensive course is intended
to give clinicians a practical and logical
approach to recognizing, diagnosing,
treating and various oral and maxillo
facial diseases. Predominantly a case
based approach by expert faculty, this
course would be particularly useful for
general dentists, dental specialists,
dental hygienists or assistants, in
addition to medical health care pro
fessionals involved in the clinical care
of patients with head and neck
considerations. This course is a great
opportunity to brush up your diag
nostic skills, gain insight into modern
management techniques and principles,
or acquire new areas of expertise that
can be applied to your clinical practice.
This course will address possible legal
ramifications from failing to diagnose
pathology, such as cancer.

The course reviews principles of both
soft and hard tissue lesion identi
fication and management, and covers
common odontogenic infections, cysts
and tumors, in addition to non
odontogenic conditions such as muco
sal and submucosal pathology, skin
lesions of the face, salivary gland
diseases, and diseases affecting the
jaw bones and temporomandibular joint
(TMJ). Cases will be drawn from
expert faculty and include clinical
images and conventional and advanced
imaging studies, such as computerized
tomography and TMJ tomography.
Concepts of clinical and radiographic
recognition of benign versus malignant
tumors will be addressed. Faculty will
also discuss diagnostic principles and
techniques as well as their potential
applications.

Topics to be covered:
• Identification and differential
diagnosis of various odontogenic
infections, cysts and tumors both
clinically and through conventional
and advanced CT imaging studies
• Recognition of non-odontogenic
lesions, and their differentiation from
odontogenic lesions both clinically
and through radiographic studies.
This includes benign and malignant
neoplasms of bone and other hard
tissues of the craniofacial region
• Identification of salivary gland
pathology, diagnostic workup of the
major and minor salivary glands, and
interpretation of test results from
salivary gland analysis
• Diagnosis and treatment of facial
muscle and TMJ disorders, atypical
odontalgia, phantom tooth pain,
attrition, erosion, and abrasion
• Evaluation of the facial skin for
dermatoglyphics and skin lesions
during a head and neck examination,
and an introduction to common skin
lesions, particularly cancers affecting
the skin of the face

Upon completion of this course
participants should:
• Know how to identify and diagnose
oral soft tissue and hard tissue
diseases
• Be familiar with principles of
differential diagnosis and techniques
for definitive diagnosis
• Be able to apply adjunct diagnostic
methods for lesion evaluation
• Know how to diagnose pathology
affecting the craniofacial and jaw
bones
• Understand the role of conventional
and advanced imaging studies in hard
tissue pathology
• Know how to make radiographic
evaluation and interpretation of
osseous lesions
• Be able to identify odontogenic
infections, cysts and tumors in the
jaws
• Know how to differentiate between
odontogenic and non-odontogenic
lesions
• Recognize the primary and
metastatic cancers affecting the
craniofacial and jaw bones

Webinar System Requirements:

On a PC: Internet Explorer 7.0 or newer,
Mozilla Firefox 4.0 or newer or Google
Chrome 5.0 or newer (JavaScript enabled);
Windows 8, 7, Vista, XP or 2003 Server;
Cable modem, DSL or better Internet
connection; Dual-core 2.4GHz CPU or
closer with 2GB of RAM (recommended);
Participants wishing to connect to audio
using VoIP will need a fast Internet
connection, a microphone and speakers.
(A USB headset is recommended.)

On a Mac: Safari 3.0 or newer, Firefox
4.0 or newer or Google Chrome 5.0 or
newer (JavaScript enabled); Mac OS X
10.6 – Snow Leopard or newer; Intel
processor (1GB of RAM or better
recommended); Cable modem, DSL, or
better Internet connection; Participants
wishing to connect to audio using VoIP
will need a fast Internet connection, a
microphone and speakers. (A USB
headset is recommended.)

Course Director
Dr. Parish Sedghizadeh

Faculty
Dr. Parish Sedghizadeh,
Dr. Saravanan Ram

Tuition
Before March 1, 2017:
Dentist $295, Auxiliary $235
Webinar: Dentist $220, Auxiliary $160

After March 1, 2017:
Dentist $345, Auxiliary $270
Webinar: Dentist $290, Auxiliary $220
Learning Implant Dentistry for the Restorative Dentist: Part II
Herman Ostrow School of Dentistry of USC
Saturday, April 1, 2017
9:00am - 5:00pm
7 Hours of Continuing Education

**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.

Part I attendance is highly recommended prior to attending Part II.

**Topics to be covered:**
- Treatment Planning for single and multiple unit implant restorations
- Cost benefit analysis of teeth vs implant restorations
- CT Scans- planning for restorative driven implant placement
- Radiographic/Surgical Guides- what to look for when evaluating guides
- Implant components- for restorative dentistry
- How to form the gingival tissues around the Implant restoration
- Screw retained implant provisional restorations
- Advantages and disadvantages of cement vs screw retained implant restorations

Upon completion of this course participants should be able to:
- Plan treatment for single and multiple unit implant restorations
- Manage and manipulate soft tissue esthetics around implant restorations
- Understand the cost benefit analysis between natural teeth and implants
- Know various implant impressions techniques, stock and custom
- Understanding submucosal implant form
- Understand the financial implications of implants vs conventional dentistry
- Know how to perform treatment sequencing of implants and natural teeth

**Course Director**
Dr. George Cho

**Faculty**
Dr. George Cho

*This course is designed for those that wish to have improved comprehension of implant treatment for their patients. Part I (January 21, 2017) course information can be found on page 2.*

**Tuition**
Before March 1, 2017:
Dentist $275, Auxiliary $215

After March 1, 2017:
Dentist $345, Auxiliary $295
Periodontal and Implant Decision Making:
From Treating the Ailing Tooth to the Failing Implant

Herman Ostrow School of Dentistry of USC
Friday, April 7, 2017
9:00am - 5:00pm
7 Hours of Continuing Education

**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 will include origins and science behind osseointegration, current trends in peri-implantitis therapy, a basic review of surgical procedures typically used for augmentation and implant site preparation, implant success and failure, an understanding of periodontal prognosis of teeth in relation to implant prognosis, and surgical treatment planning of implants. The goal is to combine a broad understanding of the current science behind implants and the treatment of their complications in order to develop a more concise treatment plan that helps navigate the difficult question of when to replace natural teeth with implants, or even when to replace ailing implants.

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 of this course participants 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

**Course Director**

Dr. Alon Frydman

**Faculty**

Dr. Alon Frydman,
Dr. Krikor Simonian

**Tuition**

Before March 1, 2017:
Dentist $275, Auxiliary $210

After March 1, 2017:
Dentist $315, Auxiliary $250
Esthetic Full-Mouth Implant Reconstruction: From Treatment Planning to Fixed Restoration
Herman Ostrow School of Dentistry of USC
Module I: Friday, April 21, 2017
Module II: Saturday, April 22, 2017
Module III: Sunday, April 23, 2017
9:00am - 5:00pm
7 Hours of Continuing Education Per Day
Lecture • Hands-On

Restoring the edentulous patient with an esthetic reconstruction may present numerous challenges to the clinician. The patient’s occlusal vertical dimension, centric relation, esthetics and phonetics need to be determined and maintained throughout the restorative process. With the advent of dental implants, there are various treatment options available today to address the patient’s esthetic and functional needs.

This course will discuss diagnosis and treatment planning for fixed implant supported reconstruction. A variety of treatment options and prosthesis designs will be introduced and the treatment sequence will be reviewed in a step-by-step simplified approach to provide a predictable outcome with esthetic implant reconstruction.

Modules I & II lectures include:
• Diagnostic tools such as flangeless record base, wax-up, setup, intraoral mock-up and radiographic templates
• Esthetic pontic design: horizontally submerged and fused pontic designs
• Gingiva-colored ceramics design and technique
• Provisionalization: fixed or removable?
• Transitional implants to support provisional restorations
• The conversion prosthesis as a treatment philosophy
• Communication with the surgeon, laboratory and patient to obtain predictable results
• Laboratory techniques and procedures
• Surgical considerations

Module III: Hands-On Workshop (Limited attendance):
Conversion of Complete Dentures to Fixed Implant Restorations in One Clinical Visit
In this unique and exclusive course, participants will receive models of completely edentulous arches with implants and corresponding complete dentures. Each participant will convert a complete denture to a fixed implant supported provisional restoration. This technique is the core philosophy for a simplified approach for implant reconstruction. Mastering this technique simplifies the restorative sequence significantly and enhances the predictability of the treatment from an esthetic and functional point of view.

Upon completion, participants will receive these models for patient education and demonstration of full-mouth implant reconstruction.

Course Director and Speaker
Dr. Harel Simon

Faculty
Dr. Harel Simon, Dr. Joseph Field, Take Katayama, CDT

Tuition
Module I (Friday, April 21, 2017)
Before April 1, 2017: Dentist $295; Auxiliary $250
After April 1, 2017: Dentist $375; Auxiliary $320

Module II (Saturday, April 22, 2017)
Before April 1, 2017: Dentist $295; Auxiliary $250
After April 1, 2017: Dentist $375; Auxiliary $320

Module III (Sunday, April 23, 2017)
Before April 1, 2017: $1,875
After April 1, 2017: $1,995

Complete Course (Module I, II, & III)
Before April 1, 2017: Dentist $1,995; Auxiliary $1,695
After April 1, 2017: Dentist $2,245; Auxiliary $1,910

*This course can be taken alone or as a part of the Esthetic Full-Mouth Implant Reconstruction Program. To register for the full year program, please visit: www.USCestheticIMPLANT.org or call 213-821-2127 for details.
The Rewards and Challenges of Community-Based Oral Health Programs

Herman Ostrow School of Dentistry of USC
Friday, April 28, 2017
9:00am – 5:00pm
7 Hours of Continuing Education
Lecture • Live Webinar

This course discusses different models to provide oral health in a community-based setting, engaging the local leaders, families, teachers and medical care providers as part of a multidisciplinary team. The role of the different social actors is analyzed, and the strategies for sustainability are discussed. There are many models and each one has its own ins and outs, thus a discussion on successful experiences will help to identify appropriate ways to provide care, promote oral health, and at the same time, have a financially sustainable project. Communities will be presented.

Topics to be covered:
• To understand the ins and outs of various nursing home practice models.
• To discuss the ethical implications and processes of performing health fairs and dental screenings in schools and other institutions.
• To identify opportunities to engage with underserved communities, both for oral health promotion and intervention.
• Recognizing and understanding the appropriate steps to take when/if a community patient is a trauma victim.
• To discuss the main rewards and challenges of volunteering.

Webinar System Requirements:

On a PC: Internet Explorer 7.0 or newer, Mozilla Firefox 4.0 or newer or Google Chrome 5.0 or newer (JavaScript enabled); Windows 8, 7, Vista, XP or 2003 Server; Cable modem, DSL or better Internet connection; Dual-core 2.4GHz CPU or faster with 2GB of RAM (recommended); Participants wishing to connect to audio using VoIP will need a fast Internet connection, a microphone and speakers. (A USB headset is recommended.)

On a Mac: Safari 3.0 or newer, Firefox 4.0 or newer or Google Chrome 5.0 or newer (JavaScript enabled); Mac OS X 10.6 – Snow Leopard or newer; Intel processor (1GB of RAM or better recommended); Cable modem, DSL, or better Internet connection; Participants wishing to connect to audio using VoIP will need a fast Internet connection, a microphone and speakers. (A USB headset is recommended).

On an iPad, iPhone or Android device: Free GoToMeeting app from the App Store or Google Play; WiFi connection recommended to use VoIP

Co-Course Directors
Dr. Mariela Padilla, Dr. Roseann Mulligan

Speakers
Dr. Roseann Mulligan, Dr. Mariela Padilla, Dulce Acosta, and Guest Speakers and Panelists of Experienced Community Health Practitioners (TBA)

Tuition
Before April 1, 2017:
Dentist $275, Auxiliary $235
Webinar: Dentist $220, Auxiliary $160

After April 1, 2017:
Dentist $295, Auxiliary $250
Webinar: Dentist $290, Auxiliary $220
A variety of clinical scenarios may present themselves, requiring complex prosthetic restoration. A key to success is careful planning and simplification of therapy, based on sound principles. A wide array of restorative options are available today. Selection of the appropriate prosthesis requires consideration of the patient’s anatomy; quantity and quality of available hard and soft tissues; the need for augmentation surgery; esthetic requirements; occlusal scheme; and the patient’s desires. The objective of this course is to review the fundamentals for prosthetic restoration of implants in patients. An evidence-based approach will be used to provide treatment options with a high degree of predictability. Practical solutions to common prosthetic problems will be provided.

This course is recommended for:
- Restorative dentists and surgical specialists who would like to acquire a more in depth and comprehensive understanding necessary for management of patients requiring complex prosthetic restoration

*This course is suitable for clinicians with intermediate or advanced experience in implant dentistry

Topics to be covered:
- Selection and sequencing of implant site development techniques
  - Selection of graft material and membranes
  - Suture techniques
  - Simple harvesting of autogenous bone using rotary device
  - Sinus augmentation rationale and technique
- Piezosurgery techniques
- Guided bone regeneration (GBR)
- Leukocyte Platelet Rich Fibrin (L-PRF)

Hands-on pig jaw workshop:
- Flap and tunnel access design
- Soft tissue augmentation around implants (VISTA)
- Ridge preservation and augmentation
- Piezosurgery techniques
- Guided bone regeneration (GBR)

Live surgery demonstration:
- Guided bone regeneration (GBR)
- Vestibular Incision Subperiosteal Tunnel Access (VISTA) for soft tissue augmentation

Course Director
Dr. Homayoun Zadeh

Speakers
Dr. Alexandre-Amir Aalam, Dr. Alfonso Gil, Dr. Homayoun Zadeh

Tuition
Before April 1, 2017:
Dentist $1,995, Auxiliary $1,695

After April 1, 2017:
Dentist $2,195, Auxiliary $1,865
Herman Ostrow School of Dentistry of USC
Lectures and Workshops: Wednesday - Sunday, July 19 - 23, 2017
Clinical Sessions I: Thursday - Sunday, August 10 - 13, 2017
Clinical Sessions I: Friday - Sunday, August 18 - 20, 2017
8:00am - 5:00pm
96 Hours of Continuing Education
Lecture • Hands-On • Certification • Limited Enrollment • Live Patient Sedation • Emergency Simulation

The Herman Ostrow School of Dentistry is proud to offer to you this comprehensive parenteral moderate sedation course. The 2017 course expands its curriculum to include new drug regimens, advances in patient monitoring, and ACLS Certification. This intensive course 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 contraindications
  • 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 of this course 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, contraindications, 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 of advanced cardiac life support (ACLS)
• Principles and certification in AHA Advanced Cardiac Life Support (ACLS)
• How to manage an emergency situation

Required Documentation:
• 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

Prior to the start of the clinical sessions, you MUST:
• Review two required textbooks
• Obtain a patient monitor for use during the course. Be advised that a patient anesthesia monitor must contain the following:
  - Pulse oximeter
  - Non-invasive blood pressure monitoring
  - Exhaled carbon dioxide monitoring (“end-tidal CO2”)
• Obtain a pre-tracheal stethoscope to aid in monitoring respiration and ventilation of your patient. Information and pricing for the monitor and stethoscope can be obtained at: www.sedationresources.com or other suppliers.

Course Directors
Dr. James Tom and Dr. Kenneth Lee

Faculty
Dr. Michael Alanes, Dr. Shirin Bankie, Dr. Michael Mashni, Dr. Shaheen Moezzi, Dr. Amanda Okundaye, Dr. Christine Quinn, Dr. Mary Satuito, Dr. Ryan Wu, and additional clinical faculty

Tuition
Before April 1, 2017: Dentist $12,250
After April 1, 2017: Dentist $13,000
$395 daily rate for lecture only participants

Enrollment in this clinical course is limited to ensure an abundance of moderate sedation experience with high standards in patient safety. Participants MUST arrange for 2 dental auxiliaries to assist and learn the anesthesia care team concept, and participants will be REQUIRED to provide operational moderate sedation vital signs monitors for use with this course. This intensive course in parenteral moderate sedation will also require participants to perform operate dentistry while simultaneously administering moderate sedation drugs with their anesthesia care team. Clinical days will extend late into each Sunday afternoon, and participants should not schedule for flights or other transportation that may limit time to complete clinical requirements.

FULL COURSE PARTICIPANTS ARE REQUIRED TO BRING 2 AUXILIARIES FOR THE LAST 2 WEEKENDS.
The Immediate Implant - Atraumatic Extraction, Immediate Implant Placement, Chairside Provisional Restoration: A Lecture and Hands-On Workshop

5 Star Hotel in Las Vegas, Nevada: Saturday - Sunday, July 29 - 30, 2017
8:00am - 5:00pm
16 Hours of Continuing Education
Lecture • Hands-On

Lecture: 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 of this course participants 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

Hands-On: There are many ways to effectively provisionalize the immediate implant, and in this presentation several options will be discussed. These options include cement retained and screw retained provisionalals, utilizing either temporary abutments or definitive abutments. Also techniques for utilizing prefabricated crown forms and vacu-formed matrices will be discussed. Different material choices will be presented, such as polymethylmethacrylate (PMMA) acrylic resins and dimethacrylate (Bis GMA) composite resins. And finally the advantages and disadvantages of the different techniques and different materials will be analyzed.

Upon completion of this course participants should know:
• 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

Course Director
Dr. Bach Le

Speakers
Dr. Bach Le, Dr. Baldwin Marchack

Stay & Learn Package
$1,975 (July 29 - 30, 2017)
All Stay and Learn Packages include course tuition, breakfast and lunch (one enrollee), 2 nights stay at a 5-star Las Vegas Hotel.
Hawaii 2017

43rd Annual Review of Continuing Education in Dentistry

Maui
Monday - Thursday
July 31 - August 3, 2017
8:00 a.m. - 12:00 p.m.
16 Hours of Continuing Education
Grand Wailea Hotel
3850 Wailea Alanui Dr., Wailea, HI 96753

Tuition
Before June 15, 2017: $595
After June 15, 2017: $695
Alexandre-Amir Aalam
Yaara Berdan
Rick Borquez
Jack Broussard
George Cho
Glenn Clark
Alon Frydman

Joyce Galligan
Bach Le
Kenneth Lee
Thomas Levy
Ramin Mahallati
Stanley Malamed
Sal Manriquez

Baldwin Marchack
James McAndrews
Diane Melrose
Roseann Mulligan
Mariela Padilla
Saravanan Ram
Rafael Roges

Ilan Rotstein
Jose-Luis Ruiz
Daniel Schechter
Louis Schwarzbach
Parish Sedghizadeh
Harel Simon
Krikor Simonian

Jorgen Slots
Jaydeep Talim
James Tom
Anthony Tran
Dennis-Duke Yamashita
Tommy Yamashita
Homayoun Zadeh
Contact Information
Herman Ostrow School of Dentistry of USC.
Continuing Professional Education
925 West 34th Street, Room 201J. 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 201J. 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.
## Registration Form

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<tr>
<th>First Name</th>
<th>Middle Name</th>
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<tr>
<th>Check # (Payable to USC School of Dentistry)</th>
<th>Visa</th>
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<td>Expiration Date</td>
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<tr>
<th>Course Title</th>
<th>Dates</th>
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<tbody>
<tr>
<td>No More Anterior Crowns: Veneers as a Substitute for a Full Crown (p.1)</td>
<td>01.20.17</td>
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<td>Learning Implant Dentistry for the Restorative Dentist (Part I) (p.2)</td>
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<td>Oral Surgery for the General Practitioner (p.3)</td>
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<td>Fundamental Principles of Restorative Implant Dentistry for the Single Missing Tooth (p.4)</td>
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<td>Adult and Pediatric Oral Conscious Sedation Recertification Program (p.5)</td>
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<td>Temporomandibular Disorders: From Capsulitis to Arthritis (p.6)</td>
<td>02.03.17</td>
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<td>A Simple Two-Step Treatment of Severe Periodontitis, and More! (p.7)</td>
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<td>The USC 42nd Annual International Periodontal and Implant Symposium (p.8)</td>
<td>02.10 - 02.11.17</td>
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<td>Mastering Molar Endodontics (p.9)</td>
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<td>Emerging Diseases, Infection Control and California Dental Practice Act (p.10)</td>
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<td>Implant CPR! (Module I) [ ] (Module I &amp; II) (p.11)</td>
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<td>Implant Therapy in the Esthetic Zone (p.12)</td>
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<td>The USC Ruth Ragland 31st Dental Hygiene Symposium (p.13)</td>
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<td>Intervention for TMD: Physical Therapy, Injections and Splints (p.14)</td>
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<td>The Secrets of Guided Bone Regeneration in Implant Dentistry (p.15)</td>
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<td>Intermediate Dental Implant Restorative Principles, Procedures and Protocols (p.16)</td>
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<td>Common Oral Lesions: Soft and Hard Tissue Diseases (p.17)</td>
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<td>Learning Implant Dentistry for the Restorative Dentist (Part II) (p.18)</td>
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<td>Periodontal and Implant Decision Making: From Treating the Ailing Tooth to the Failing Implant (p.19)</td>
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<td>Esthetic Full-Mouth Implant Reconstruction (Complete Course) (p.20)</td>
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<td>The Reward and Challenges of Community-Based Oral Health Programs (p.21)</td>
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<td>Basic Protocols in Bone and Soft Tissue Grafting in Implant Therapy (p.22)</td>
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<td>Parenteral Moderate Sedation for Dentists (p.23 - 24)</td>
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<td>Las Vegas Travel &amp; Learn Program (p.25)</td>
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<td>Hawaii Travel &amp; Learn Program (p.26)</td>
<td>07.31 - 08.03.17</td>
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Please xerox form as needed, complete details, and send to:
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Phone: 213.821.2127
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