Summer 2017
CONTINUING EDUCATION
dentalcontinuingeducation.usc.edu
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.

Module I - Lecture/Workshop
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

Hands-On Workshop
- 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

Module II - Lecture/Workshop
Soft Tissue Grafting
- Soft tissue grafting to correct gingival recession
- Coronally repositioned flaps for 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

Hands-On Workshop
- Epithelialized palatal graft
- Connective tissue graft
- Coronally advanced flap
- 1 incision harvest technique
- Donor site management

Module III - Lecture/Workshop
Esthetic & Functional Crown Lengthening
- Etiology for excessive gingival display
- Treatment options for the “Gummy Smile”
- Esthetic crown lengthening step-by-step
- 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
Nowadays, patients are better informed and more demanding than ever, due to advances in material science, industry-driven marketing and advertising, media’s influence in forming public opinion regarding esthetics, and information available on the internet.

A successful dental practice must have a thorough understanding of the available materials and treatment options in all areas of interest to its patients, otherwise the office risks the loss of market share in “want-based dentistry.”

The purpose of this clinical and newly designed course is to provide participants with creative solutions to enhance patient’s esthetics through the use of minimally invasive dental products and procedures. All treatment options to enhance the patient’s smiles (except indirect procedures) will be reviewed in details.

In addition to extensive technique demonstration, a useful approach on how to incorporate these products and procedures into daily practice will be discussed.

Upon completion, participants should be able to:

- Thoroughly diagnose and establish a conservative treatment plan for all esthetic cases
- Perform smile analysis and apply smile design principles that mimic nature
- Sequence, determine a treatment plan, and present to patients for ideal esthetic outcomes
- Understand the esthetic and biological benefits of remineralization
- Know the advantages of at-home bleaching
- Offer options to manage most issues with bleaching sensitivity
- Perform safe and effective non-vital tooth whitening
- Understand the different bonding systems on the market, their advantages, disadvantages and indications
- Properly select cases that are ideal for direct composite veneering versus indirect porcelain veneers
- Fabricate silicone matrices to aid and simplify composite application
- Perform simple layering for beautiful optical effects that rival natural teeth
- Texturize and polish composite resin to mimic the natural tooth
- Perform composite repair and refurbishment
- Develop a fee structure to make direct restorations as profitable as indirect procedures

Course Director
Abdi Sameni, DDS, FACD

Speaker
Abdi Sameni, DDS, FACD

Tuition
Before April 15, 2017:
Dentist $235; Auxiliary $195

After April 15, 2017:
Dentist $295; Auxiliary $250
Advanced Soft Tissue and Bone Grafting with Cadaver Workshop
Herman Ostrow School of Dentistry of USC
Friday - Sunday June 2 - 4, 2017
8:00am - 5:00pm
24 Hours of Continuing Education
Lecture • Hands-On

The success of dental implants depends on their placement in bone of adequate density and volume in order to achieve primary stability. However, usually there is at least some degree of atrophy in most implant sites due to postextraction remodeling or because of pathologic conditions. There has been a gradual shift in paradigm from merely achieving successful osseointegration to achieving final restorative outcomes that mimic natural dentition and the surrounding oral tissues. These objectives have been materialized by advancements in surgical techniques, as well as availability of biomaterials to enable predictable regeneration of oral hard and soft tissues. This course consists of two modules. The first module consists of two and half days of lecture, hands-on model workshop and live surgery. The second module is a half-day cadaver workshop.

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

**Topics to be covered:**
- Lateral and crestal sinus augmentation rationale and techniques
- Piezosurgery techniques
- Horizontal ridge augmentation
  - Autogenous bone harvesting: block and particulate
- Vertical ridge augmentation
- Guided bone regeneration (GBR)
- Leukocyte Platelet Rich Fibrin (L-PRF)
- Onlay block grafts: rationale and techniques

**Hands-on model and cadaver workshop:**
- Lateral window and crestal osteotomy sinus augmentation
- Donor graft harvesting from ramus and symphysis
- Recipient site preparation and block graft fixation
- Flap and tunnel access design
- Soft tissue augmentation around implants (VISTA)
- Ridge preservation and augmentation
- Piezosurgery techniques
- Guided bone regeneration (GBR)

**Live surgery demonstration:**
- Lateral window sinus augmentation
- Guided bone regeneration (GBR)
- VISTA for soft tissue augmentation

**Course Director**
Homayoun Zadeh, DDS, PhD

**Speakers**
Stephen Wallace, DDS,
Neema Bakhshalian, DDS, PhD,
Homayoun Zadeh, DDS, PhD

**Tuition**
Before May 15, 2017:
Dentist $2,995, Auxiliary $2,545
After May 15, 2017:
Dentist $3,295, Auxiliary $2,800
Complications of Implant Therapy
Herman Ostrow School of Dentistry of USC
Saturday - Sunday, June 10 - 11, 2017
8:00am - 5:00pm
16 Hours of Continuing Education
Lecture • Hands-On

The number of claims related to implant complications has increased significantly over the last few years. In addition, complications associated with implant surgery can have a devastating effect on the final outcome of treatment. This lecture course will focus on how to identify and avoid potential complications before they arise and how to manage many of the common complications that can occur with implant therapy. Emphasis will be given to medico-legal implications, patient risk assessment, classifications of complications, and proper treatment planning principles. At the end of this course, participants will have a better understanding of the prevention and management of complications related to implant therapy.

Upon completion of this course participants should know how to:
• Perform treatment plan effectively to minimize the incidence of future complications
• Assess pre-operative risk
• Manage the most common implant related complications
• Avoid and manage prosthetic complications
• Avoid esthetic complications
• Assess the role implant position plays in restorative complications
• Avoid and minimize risks associated with implant surgery
• Manage complications associated with bone graft procedures and sinus augmentation (graft infection and failure, sinusitis, oral-antral communication, and sinus fistula)
• Manage peri-implantitis
• Manage nerve injury associated with implant surgery
• Manage failed implants and remove implants with minimal bone trauma
• Assess medico-legal implications of treatment failures
• Discuss case settlement and outcomes
• Remove integrated implants with minimal bone removal
• Develop an effective strategy on how to manage failing implants
• Retrieve broken screws

Speakers
Bach Le, DDS, MD, FICD,
Baldwin Marchack, DDS, MBA

Tuition
Before May 15, 2017:
Dentist: $1,675; Auxiliary: $1,595
After May 15, 2017:
Dentist: $1,725; Auxiliary: $1,665
Advanced Restorative Options with Dental Implants for Fully Edentulous Arches
Herman Ostrow School of Dentistry of USC
Part I - Lecture: Friday, June 16, 2017
Part II - Lecture, Demonstration, and Hands-On: Saturday, June 17, 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 most full arch implant supported situations. Various fixed and removable options will be presented. Both internal and external connections will be discussed, as well as the use of non-engaging multi-unit abutments. On day one, lectures will address all of the above topics. On day two, in addition to lectures and demonstrations by the instructors, participants will have the opportunity to participate in a hands-on workshop including techniques for accurate full arch implant impressions, fabricating provisional implants for fully edentulous arches, and learning how to assess the fit of full arch metal or zirconia bars and frameworks.

DAY I - LECTURE ONLY:
Diagnosis and treatment planning
• Treatment planning for the fully edentulous maxilla and mandible
• Fixed and removable options
• Number of implants required to support different options
• Surgical guides for ideal placement

Implant prosthetics
• Fixed and removable restorations
• Provisionalization
• Impression techniques
• Biomechanics and occlusion
• Material choices

DAY II - LECTURE AND HANDS-ON:
Demonstrations: Instructor will demonstrate
• Fabrication of a fixed provisional restoration by converting an existing full denture
• How to try in full arch frameworks made of titanium or zirconia

Hands-On: Participants will have the opportunity to
• Fabricate a surgical guide by duplicating an existing full denture
• Make an accurate full arch implant impression
• Fabricate a fixed provisional restoration by converting an existing full denture
• Assess full arch titanium and zirconia frameworks for passive fit

Who will benefit from attending this course:
• Practitioners with some clinical implant experience
• Practitioners with some experience in fabricating full dentures
• Allied health professionals

Course Director
Baldwin Marchack, DDS, MBA

Speakers
Baldwin Marchack, DDS, MBA
Christopher Marchack, DDS

Tuition
Before May 15, 2017:
Lecture Only: $395
Lecture & Hands-On: $1,295

After May 15, 2017:
Lecture Only: $445
Lecture & Hands-On: $1,395
Suturing Techniques: A Practical Hands-On Course on Soft Tissue Suturing
Herman Ostrow School of Dentistry of USC
Saturday, June 24, 2017
9:00am – 4:00pm
6 Hours of Continuing Education
Lecture • Hands-On

The surgical procedures are an integral part of every dental practice. Dentists perform procedures such as extractions, periodontal surgery and implant placement that often require suturing skills. However, some clinicians may experience challenges such as premature suture loosing, flap opening and tearing, bent needles, and inability to stabilize flaps.

Improper suturing can lead to complications and even treatment failures.

The goal of this practical course is to train dentists in predictable suturing techniques. Participants will learn about different types of suture material and needle configuration and indications for their use. Principles of correct suturing, including concepts of suture mechanics, will be reviewed to enable participants achieve stable knots and immobile flaps.

The hands-on portion of the course will include an “over the shoulder” instruction as doctors go through Dr. Simon’s unique teaching method. Participants will learn different suture and needle types and experience a systematic exercise of the most commonly used suturing techniques in dental practice.

Topics to be covered:
• Suturing safety
• Suture mechanics
• How to choose suture material and when to use it
• Needle types and their use
• Interrupted vs. continuous suturing
• Coronal vs. apical repositioning sutures
• The most useful suturing techniques
• Suturing for exodontia, bone grafting and implants
• Suturing for primary closure
• How to deal with suture challenges and complications

Hands-On Exercise
Doctors will practice all suture types reviewed in the lecture on dedicated models. This intensive suture exercise will allow participants to understand the important principles of suturing and be able to apply it when treating patients.

*This course is recommended for doctors at any level who are interested in improving their suturing skills. It will provide participants with practical information on how to suture properly and improve surgical treatment outcomes.

Course Director and Speaker
Ziv Simon, DMD, MSc

Tuition
Before June 1, 2017:
Dentist $745

After June 1, 2017:
Dentist $795
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.

*Tuition
Before June 1, 2017
Part I (July 7, 2017): Dentist: $270; Auxiliary: $170
Part II (July 8, 2017): Dentist: $450; Auxiliary: $350*
Part III (July 9, 2017): Dentist: $300; Auxiliary: $200
Tuition for Complete Course (July 7 - 9, 2017): Dentist: $775; Auxiliary: $675

After June 1, 2017
Part II (July 8, 2017): Dentist: $495; Auxiliary: $395*
Part III (July 9, 2017): Dentist: $345; Auxiliary: $245
Tuition for Complete Course (July 7 - 9, 2017): Dentist: $885; Auxiliary: $785

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.

Course Director
Diane Melrose, RDH, BS, MA

Speakers
Anna Pattison, RDH, MS,
Donna Smith, BSDH, MSEd,
Gayle Myers, RDH, BS

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.)
Endodontics from A to Z: Hands-On Workshop for the General Practitioner
Herman Ostrow School of Dentistry of USC
Friday - Sunday, July 14 - 16, 2017
Friday - Sunday, July 28 - 30, 2017
9:00am - 5:00pm
42 Hours of Continuing Education
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
• Achieving effective anesthesia for endodontic treatment
• 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 of this course you will be able to:
• Enhance your 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 your endodontic cases
• Use endodontic hand and rotary instruments safely and effectively
• Understand the indications and apply appropriate techniques for endodontic retreatment

Course Director
Ilan Rotstein, DDS

Speakers
Ilan Rotstein, DDS, Thomas Levy, DDS, MS, Rafael Roges, DDS, Yaara Berdan, DDS, Daniel Schechter, DDS, Louis Schwarzbach, Jaydeep Talim, DDS, Anthony Tran, DDS

Tuition
Before June 15, 2017: $2,975
After June 15, 2017: $3,245
Parenteral Moderate Sedation for Dentists

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 II: 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 consist 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.

Limited to 15 participants!
• 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
James Tom, DDS, MS and Kenneth Lee, DDS

Speakers
Michael Alanes, DDS, Jason Brady, DMD, Steven Ganzberg, DMD, MS, Michael Mashni, DDS, Shaheen Moezzi, DDS, MS, Christine Quinn, DMD, MS, Mary Satuito, Ryan Wu, DDS, 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.**
Esthetic Full-Mouth Implant Reconstruction: Advanced Prosthodontic Techniques for Challenging Patients
Herman Ostrow School of Dentistry of USC
Module I - Lecture: Friday, July 21, 2017
Module II - Lecture: Saturday, July 22, 2017
9:00am - 5:00pm
7 Hours of Continuing Education Per Day
Lecture • Hands-On

* Individual patient conditions may present challenges that are not readily addressed in a generic treatment approach. Some of these include patients who are about to lose their entire dentition but refuse to remain without fixed restorations throughout treatment. Other patients present with phonetic difficulties, lack of tongue space or poor adaptability to new prostheses. Additional challenges involve edentulous patients who present with pre-existing implants in severely compromised positions. These conditions require customization of the treatment plan to address specific patient needs. The appropriate treatment sequence for these challenging conditions will be presented with attention to details that are critical to a successful reconstruction with proper esthetics and function.

Modules I & II Lectures include:
• Diagnosis of advanced conditions
• Advanced treatment planning and sequencing
• Transitional implants to support fixed full-mouth restorations
• Advanced framework designs for esthetics and maintainability
• Restoration of implants with extreme angulations
• Management of patients with advanced bruxism and parafunction
• The Duplicate Backup Prosthesis concept and design
• Laboratory techniques and procedures
• Tools for supervising and coordinating laboratory work
• Management of complications
• Surgical considerations

Module III: Hands-On Workshop (Limited attendance)
Implant Verification Cast and Impression
In this unique simulation, participants will learn to meticulously create a full-arch impression coping assembly and a verification cast that accurately represent the patient’s condition. The verification cast is designed to be sent to the laboratory as a precise prescription for implant framework fit. The technician can use it to form an accurate framework and cut and solder predictably without the need to see the patient again; thus eliminating the need for intra-oral solder indices and multiple framework trials. This is the core technique to establish accurate CAD/CAM frameworks with predictable passive fit. It provides direct control over laboratory made frameworks, simplifies the treatment and enhances the predictability of implant reconstruction.

Course Director and Speaker
Harel Simon, DMD

Speakers
Harel Simon, DMD, Joseph Field, DDS, 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 (Friday, July 21, 2017)
Before June 15, 2017:
Dentist $295; Auxiliary $250
After June 15, 2017:
Dentist $375; Auxiliary $320

Module II (Saturday, July 22, 2017)
Before June 15, 2017:
Dentist $295; Auxiliary $250
After June 15, 2017:
Dentist $375; Auxiliary $320

Module III (Sunday, July 23, 2017)
Before June 15, 2017: $1,875
After June 15, 2017: $1,995

Complete Course (Module I, II, & III)
Before June 15, 2017:
Dentist $1,995; Auxiliary $1,695
After June 15, 2017:
Dentist $2,245; Auxiliary $1,910
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

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 provisionals, 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 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

Course Director
Bach Le, DDS, MD, FICD

Speakers
Bach Le, DDS, MD, FICD,
Baldwin Marchack, DDS, MBA

Stay & Learn Package
$1,995 (July 29 - 30, 2017)
All Stay and Learn Packages include course tuition, breakfast and lunch (one enrollee), 2 nights stay at the 5-star Cosmopolitan Las Vegas Hotel (City Room with 2 Queen Beds), self or valet parking, resort fees, free in-room high speed internet access, 24-hour access to state-of-the art fitness center, pools, unlimited local and domestic long distance calls (50 states), and tennis court access (based upon availability).

Please book your Stay and Learn Packages early since rates of the hotel may increase after June 20, 2017. To book Terrace Studio/Suite with 1 King Bed or additional nights, please contact our office at 213-821-2127. * Hotel room rates are for single or double occupancy. Maximum room occupancy is four (4) persons. No additional charge for children under 17. Nightly rate of $35 per person for a 3rd or 4th adult in room will apply. Cancellation fee will apply if booking is cancelled after June 1, 2017.
Day 1 - Contemporary approaches for periodontal plastic and implant site development procedures
Periodontal losses of structures are associated with multiple challenges in periodontal plastic and implant site development procedures. Traditional root coverage techniques and implant site development procedures are predictable but could represent a major setback for patients. Refinement of surgical approaches combined with the incorporation of biological modifiers has dramatically reduced the morbidity of surgical procedure while increasing success rate and patient’s comfort.

Participants should be able to:
• Know blood-derived growth factors
• Understand particulate bone grafting and application.
• Discuss the FSTP (Fibrin soft tissue promotion) for the purpose of root coverage.
• Discuss an algorithm on how and when soft tissue grafting is needed around dental implants.

Day 2 - The Maxillary Anterior Sextant
The maxillary anterior tooth implantation is a challenging treatment modality. Multiple treatment protocols are available to the practitioner to assist in making a rational decision. A successful treatment outcome is largely dependent on the integration of prosthodontic concept and peri-implant soft tissue manipulation. The purpose of this presentation is to discuss a simple and reproducible treatment algorithm for the rehabilitation of the maxillary anterior sextant.

Participants should be able to:
• Discuss the decision making tree of bone graft selection
• Understand the mechanism of bone graft incorporation

Day 3 - Inflammatory Periodontal Diseases and System Link
Periodontal disease is classified as a chronic inflammatory disease initiated by bacterial biofilm in a susceptible host. The host inflammatory response to specific and non specific bacterial challenges is the common link amongst several chronic inflammatory diseases. Management of periodontal inflammation not only improves oral and dental health but also can influence the overall well being of the patient who is affected by inflammatory periodontal disease.

Participants should be able to:
• Inflammatory nature of periodontal disease
• Understand particulate bone grafting and application.
• Inflammatory link of periodontal disease and other disease states
• Diagnosis and classification of periodontal diseases
• Treatment of periodontal inflammation
• Link between periodontal and peri-implant inflammatory diseases
• Mechanical non-surgical periodontal therapy
• Adjunctive non-surgical periodontal therapy
• Systemic and local antibacterial therapy

Day 3 - Interdisciplinary treatment planning for implant therapy
Dental implant therapy is one of the major breakthroughs in the field of dentistry. Dental implants offer great treatment option for missing teeth. Unlike teeth, as biological entities, dental implants are foreign bodies, which are well tolerated. However, they lack biological attachments that differentiate them from teeth in health and disease states. Utilization of implants in replacing existing teeth with dental diseases requires a clear understanding of biological risk assessment and considerations of risk benefits and cost benefits factors. Close interaction amongst different disciplines will facilitate a realistic patient centered outcome in function and aesthetic.

Participants should be able to:
• Dental implant as a foreign body
• Periodontal tissues in comparison to peri-implant tissues in health and disease
• Diagnostic and prognostic challenges in Periodontitis and peri-implant diseases
• Replacing missing or compromised teeth with implant supported prosthesis

Speakers
Alexandre-Amir Aalam, DDS, Kian Kar, DDS, MS

Tuition
Before June 15, 2017: $595
After June 15, 2017: $685

Room Booking
Please contact Grand Wailea Resort at 1-808-875-1234, and mention GUSC to book by July 1, 2017.

For exclusive USC on-line hotel room booking, please visit: https://aws.passkey.com/e/48996284
The Artistic Dentist: Excellence in Direct Anterior and Posterior Composites
Herman Ostrow School of Dentistry of USC
Friday - Saturday, August 11 - 12, 2017
9:00am - 5:00pm
14 Hours of Continuing Education
Lecture • Hands-On

This course will review the new paradigm in tooth preparation for adhesively retained direct bonded composite restorations. The principles and technique necessary to achieve predictable bonds to enamel and dentin while minimizing post-operatory 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 and opaquers 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 of this course participants should be able to:
• Perform diastema closures and full direct composite veneers with predictable and esthetic results
• Prepare several teeth using preparation principles specially design for direct adhesively retained composite restorations
• Perform with predictability, esthetic yet simple and fast class II restorations that avoid postoperative pain
• Understand and apply the latest developments in composite resins
• Incorporate state-of-the-art composite and bonding techniques to clinical practice
• Understand and apply the principles of smile design, color and color-matching for optimum results
• Apply tints and opaquers to composite resins

Course Director
Jose-Luis Ruiz, DDS, FAGD

Speakers
Jose-Luis Ruiz, DDS, FAGD and Boris Keselbrener, DDS (Lab faculty)

Tuition
Before July 15, 2017:
Dentist $1,395, Auxiliary $1,185
After July 15, 2017:
Dentist $1,495, Auxiliary $1,270
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 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 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);

Course Director
Joyce Galligan, RN, DDS

Speakers
Joyce Galligan, RN, DDS
Patricia Galligan, JD, LL.M in taxation

Tuition
Before May 15, 2017:
Dentist $145, Auxiliary $115

After May 15, 2017:
Dentist $165, Auxiliary $135
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. Perio-dontal 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

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
Alon Frydman, DDS

Speakers
Alon Frydman, DDS, and Krikor Simonian, DDS

Tuition
Before July 1, 2017:
Dentist $215, Auxiliary $150

After July 1, 2017:
Dentist $255, Auxiliary $190
Reward

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3 + 1 Free CE Program

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For every 3 paid CE courses, participants can receive one FREE course, subject to Terms and Conditions of the program. Participants have one year from the date of last paid course to redeem free course(s).

For more information or to register visit our website: dentalcontinuingeducation.usc.edu call 213-821-2127 or email us at cedental@usc.edu
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 views 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.
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 a 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.
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-10 West, exit Vermont Ave South. Turn left on Jefferson Blvd.
- **From the East**: I-10 East, exit Vermont Ave South. Turn left on Jefferson Blvd.
- **From the West**: I-10 West, exit Vermont Ave South. Turn left on Jefferson Blvd.
SLEEP BREATHING DISORDERS: APPROACH FROM DENTISTRY! (LIVE WEBINAR & HANDS-ON)  
Fri - Sat, Sept 8 - 9, 2017

HORIZONTAL AND VERTICAL AUGMENTATION - MYTHS VERSUS REALITY  
Sat - Sun, Sept 9 - 10, 2017

THE USC GERIATRIC DENTISTRY ANNUAL SYMPOSIUM - WEBINAR AVAILABLE  
Fri, Sept 15, 2017

FUNCTIONAL CROWN LENGTHENING SURGERY- FOR IMPROVED AND PREDICTABLE RESTORATIVE OUTCOMES  
Sat, Sept 16, 2017

MINIMALLY INVASIVE ADHESIVE AND ESTHETIC INDIRECT ANTERIOR BONDED RESTORATIONS  
Lecture: Fri, Sept 22, 2017, 9:00am - 2:00pm  
Hands-On: Fri, Sept 22, 2017, 2:00pm-5:00pm  
Hands-On: Sat, Sept 23, 2017

HEALTHIER INDIRECT RESTORATIONS, USING A SUPRA-GINGIVAL PROTOCOL  
Fri - Sat, Oct 6 - 7, 2017

USC MINI-RESIDENCY IN ORTHODONTICS 2017  
Mon - Fri, Oct 16 - 20, 2017

OROFACIAL PAIN: WHEN, HOW AND WHAT TO TREAT  
Fri, Oct 20, 2017

EMERGING DISEASES, INFECTION CONTROL AND CALIFORNIA DENTAL PRACTICE ACT  
at, Oct 21, 2017

CALIFORNIA DENTAL PRACTICE ACT AND INFECTION CONTROL WEBINAR  
Sun, Oct 22, 2017

THE USC TENTH INTERNATIONAL RESTORATIVE DENTISTRY SYMPOSIUM  
Fri - Sat, Oct 27 - 28, 2017

COMPREHENSIVE PERIODONTAL SURGERY: ESTHETIC AND FUNCTIONAL PROCEDURES FOR THE GENERAL PRACTITIONER  
Fri - Sun, Oct 27 - 29, 2017

CONTEMPORARY APPROACH TO DIAGNOSIS, TREATMENT PLANNING AND THERAPY IN PERIODONTICS  
Fri, Nov 3, 2017

ESTHETIC FULL-MOUTH IMPLANT RECONSTRUCTION: CAD/CAM RESTORATIONS AND COMPUTER GUIDED TECHNOLOGY  
Module I: Fri, Nov 3, 2017  
Module II: Sat, Nov 4, 2017  
Module III: Sun, Nov 5, 2017

THE 16TH INTERNATIONAL ENDODONTIC SYMPOSIUM  
Radisson Midtown at USC: Fri - Sat, Dec 8 - 9, 2017

FOCUS ON THE MAXILLARY SINUS: LECTURE & CADAVER HANDS-ON WORKSHOP  
Sat, Dec 9, 2017

Herman Ostrow School of Dentistry of USC  
Continuing Professional Education  
Phone: 213.821.2127  
Fax: 213.740.3973  
E-mail: cedental@usc.edu  
Web: dentalcontinuingeducation.usc.edu
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<td>Advanced Clinical Dental Hygiene Techniques (Complete Course) (p.7)</td>
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<td>Advanced Clinical Dental Hygiene Techniques (Module I) □ (Module II) □ (Module III) (p.7)</td>
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*Please xerox form as needed, and send back your registration form*

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