Comprehensive Surgical & Restorative Implant Training Program

2012 - 2013

COURSE A: SEPTEMBER 7 - 9, 2012
OCTOBER 6 - 7, 2012
NOVEMBER 10 - 11, 2012

COURSE B: DECEMBER 8 - 9, 2012

COURSE C: MARCH 15 - 17, 2013

COURSE D: APRIL 5 - 7, 2013

COURSE E: JUNE 7 - 9, 2013

Abutment Selection
Tunneling
Guided Surgery
Immediate Implant Placement
CAD/CAM Abutments
Provisionalization
Guided Surgery
Sinus Augmentation
Piezosurgery
★ Life-Long Tradition and Excellence ★
Implant dentistry has become an integral part of clinical practice. Whether you focus on implant placement, surgery or restoration, comprehensive training in both surgical and restorative aspects is the most effective approach to advance your clinical skills. The USC Comprehensive Surgical and Restorative Implant Training program offers a continuum of courses, appropriate for any clinician who is interested in gaining a comprehensive training in implant dentistry. The courses start at the fundamental level and build upon that knowledge in subsequent courses for clinicians with intermediate or advanced experience. Please note that the fundamental courses are also appropriate for surgeons who would like to have better understanding of implant restoration and restorative dentists who would like to have better understanding of implant surgery. The acquisition of such comprehensive knowledge and skills is likely to improve communication, collaboration and patient care. The format of these courses includes lecture presentations by world-renowned faculty and speakers, hands-on workshops, as well as live surgery demonstrations. Lecture presentations are evidence-based in nature and include clinical cases to illustrate the principles discussed. The small group setting in the state-of-the-art facility of the Herman Ostrow School of Dentistry of USC will provide course participants with a unique educational opportunity.

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

“You tell me, and I forget. You teach me, and I remember. You involve me, and I learn.” - Benjamin Franklin -

<table>
<thead>
<tr>
<th>Course</th>
<th>Dates/Time</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course A:</strong> Fundamentals of Implant Surgery and Restoration</td>
<td>September 7 - 9, 2012, October 6 - 7, 2012, November 10 - 11, 2012</td>
<td>Dr. Fereidoun Daftary, Dr. Arnold Rosen, Dr. Clark Stanford, Dr. Homayoun Zadeh</td>
</tr>
<tr>
<td><strong>Course B:</strong> Implant Therapy for Edentulous Patients</td>
<td>December 8 - 9, 2012 8:00am - 5:00pm</td>
<td>Dr. Lyndon Cooper, Dr. Homayoun Zadeh</td>
</tr>
<tr>
<td><strong>Course C:</strong> Implant Therapy in the Esthetic Zone</td>
<td>March 15 - 17, 2013 Friday: 8:00am - 5:00pm Saturday: 8:00am - 4:00pm Sunday: 8:00am - 1:00pm</td>
<td>Dr. Ramin Mahallati, Dr. Fernando Rojas-Vizcaya, Dr. Homayoun Zadeh</td>
</tr>
<tr>
<td><strong>Course D:</strong> Basic Protocols in Bone and Soft Tissue Grafting in Implant Therapy</td>
<td>April 5 - 7, 2013 Friday: 8:00am - 5:00pm Saturday: 8:00am - 4:00pm Sunday: 8:00am - 1:00pm</td>
<td>Dr. Ira Sy, Dr. Homayoun Zadeh</td>
</tr>
<tr>
<td><strong>Course E:</strong> Advanced Soft Tissue and Bone Grafting with Cadaver Workshop</td>
<td>June 7 - 9, 2013 Friday: 8:00am - 5:00pm Saturday: 8:00am - 6:00pm Sunday: 8:00am - 6:00pm</td>
<td>Dr. Dan Cullum, Dr. Steve Wallace, Dr. Homayoun Zadeh</td>
</tr>
<tr>
<td>Surgical Assistant Hands-On Training</td>
<td>September 8 - 9, 2012 8:00am - 5:00pm</td>
<td>Dr. Sara Tanavoli</td>
</tr>
<tr>
<td><strong>38th Annual USC Periodontal &amp; Implant Symposium</strong></td>
<td>January 25 - 26, 2013 8:00am - 5:00pm</td>
<td>Dr. Michael Block, Dr. Joseph Kan, Dr. Sonia Leziy, Dr. Pascal Magne, Dr. Hitoshi Minagawa, Dr. Maurice Salama, Dr. Homa Zadeh, Dr. Stephen Chu, Dr. Seonghun Kim, Dr. Stanley Malamed, Dr. Brahm Miller, Dr. Jin-Ho Park, Dr. Steve Wallace</td>
</tr>
<tr>
<td><strong>Hands-On Cadaver Workshop I:</strong> Micro Surgery &amp; VISTA (8 CE Units)</td>
<td>January 23, 2013 8:00am - 5:00pm</td>
<td>Dr. Homa Zadeh</td>
</tr>
<tr>
<td><strong>Hands-On Cadaver Workshop II:</strong> Maxillary Sinus Augmentation (8 CE Units)</td>
<td>January 24, 2013 8:00am - 5:00pm</td>
<td>Dr. Steve Wallace</td>
</tr>
<tr>
<td><strong>Hands-On Cadaver Workshop III:</strong> Ridge Augmentation in the Esthetic Zone (8 CE Units)</td>
<td>January 27, 2013 8:00am - 5:00pm</td>
<td>Dr. Maurice Salama</td>
</tr>
</tbody>
</table>
COURSE A
FUNDAMENTALS OF IMPLANT SURGERY AND RESTORATION

Overview
Implants can often serve as the most predictable, functional, esthetic and conservative therapeutic option for replacement of hopeless teeth. An array of surgical and prosthetic protocols have been proposed in implant dentistry; however, not all are supported by evidence-based documentation. The long-term success of implant-supported restorations requires a systematic approach to selection of appropriate diagnostic tools, risk assessment, treatment options, surgical and restorative protocols, as well as components and sequencing of care. This intensive 7-day course, spread over 3 weekends, consists of lectures, hands-on model workshops and live surgery demonstration. This course is designed to provide the theoretical framework, as well as the clinical skills necessary for clinicians to incorporate implant dentistry into their practice. It can also provide more experienced clinicians with updates on evidence-based techniques and protocols.

Conceptual topics
• Biologic basis of Osseointegration
• Anatomy of implant sites and surrounding structures

Diagnosis and treatment planning
• Treatment planning & case selection:
  - Single-unit tooth replacement
  - Multiple-unit tooth replacement
  - Fully edentulous patients
• Diagnostic tools: radiographs, CT scan, tomography
• Surgical guides: lab fabricated and computer-generated surgical guides

Surgical placement of implants
• Surgical considerations and treatment planning
• Hands-on workshop: participants will place implants in models
• Live surgery: participants will observe implant placement in patients
• Preservation & augmentation of hard & soft tissues

Implant prosthetics
• Implant restorative options
• Implant impression techniques
  - Hands-on workshop
  - Live patient demonstration
• Abutment selection: prefabricated abutments, computer-designed abutments, ceramic abutments

Educational Objectives
• Immediate vs. staged implant placement
• Immediate vs. staged implant loading
• Provisional placement: immediate vs. staged

Laboratory techniques and procedures

Who will benefit from attending this course:
This course is appropriate for clinicians with beginner or intermediate experience who are interested in gaining a comprehensive surgical and prosthetic training in implant dentistry:
• Beginners with limited implant knowledge
• Surgical specialists who would like to acquire a more in depth and comprehensive understanding of implant restoration
• Restorative dentists who would like to acquire a more in depth and comprehensive understanding of implant surgery
• Allied health professionals (Laboratory technicians, dental hygienists and dental assistants) who participate as members of the implant therapy team and would like to be more effective in their functions by enhancing their fundamental and practical knowledge

LOCATION: Ostrow School of Dentistry of USC
DATES: Friday - Sunday, September 7 - 9, 2012
        Saturday - Sunday, October 6 - 7, November 10 - 11, 2012
TIME: 8:00 a.m. - 5:00 p.m.
FEES: Before August 15, 2012
         Dentist: $4,395  Auxiliary: $2,195
After August 15, 2012
         Dentist: $4,595  Auxiliary: $2,295
Overview
According to CDC data, approximately one-third of Americans over the age 65 are edentulous and their number is projected to increase over the next twenty years. Implant-supported prostheses have been documented to improve the quality of life of patients and are gaining acceptance as the standard of care. A variety of treatment options exist for edentulous patients. Implant-supported prostheses can solve many of the problems experienced by patients with complete dentures. This intense 2-day course brings together surgical and prosthodontic experts for a systematic presentation of therapeutic options for edentulous patients. The format of this course consists of lecture, hands-on workshop and live surgery demonstration.

Educational Objectives

Diagnosis and treatment planning
- Diagnostic tools: radiographs, CT scan, cone beam, interactive imaging
- Treatment planning and case selection:
  - Implant-supported overdenture vs. fixed restoration
  - Bar-clasp vs. male-female solitary attachments for overdentures
  - Screw-retained vs. cemented fixed restoration
- Surgical guides: lab fabricated and computer-generated surgical guides

Implant prosthetics
- Implant prosthetic considerations
- Occlusion and stress distribution for overdentures and fixed restorations
- Prosthetic space requirement for overdenture or fixed restoration components
- Overdenture attachment selection: bar-clasp, solitary attachments
- Conversion of existing denture into implant-supported overdenture
- Denture boarder molding

Surgical placement of implants
- Surgical considerations and treatment planning
- Anatomic and skeletal considerations for overdenture vs. fixed restoration
- Loading protocol

Laboratory techniques and procedures

Hands-on workshop
- Participants will place implants in edentulous models and restore with overdenture

Live surgery demonstration
- Participants will observe implant placement and restoration with overdenture on a live patient

Who will benefit from attending this course:
This course is appropriate for any clinician who is interested in gaining a comprehensive training in implant dentistry:
- Novice or experienced clinicians
- Surgical specialists who would like to acquire a more in depth and comprehensive understanding of implant restoration
- Restorative dentists who would like to acquire a more in depth and comprehensive understanding of implant surgery
- Allied health professionals (Laboratory technicians, dental hygienists and dental assistants)

LOCATION: Ostrow School of Dentistry of USC
DATES: Saturday - Sunday, December 8 - 9, 2012
TIME: 8:00 a.m. - 5:00 p.m.
FEES:
- Before November 10, 2012
  - Dentist: $1,495
  - Auxiliary: $795
- After November 10, 2012
  - Dentist: $1,695
  - Auxiliary: $895
Surgical Assistant Hands-On Training

Speakers
Dr. Sara Tanavoli

Educational Objectives
- Introduction to implant dentistry for surgical assistants
- Review of implant terms, components and treatment options
- Patient education, pre- and post-operative instructions
- Preparation of the surgery room for procedure
- Patient preparation for surgery
- Sterile instrument transfer and surgical assistance
- Implant maintenance
- Description of instruments and equipments used in implant surgery
- Set-up and handling of surgical instruments, equipment, sterile drapes, and sterile solutions
- Proper techniques of scrubbing for surgery and donning of sterile gowns and gloves

Hands-On Workshop
- Implant placement on models
- Implant-level impression techniques
- Surgical room set-up

LOCATION: Ostrow School of Dentistry of USC
DATE: Sat - Sun, Sept 8 - 9, 2012. 8:00 a.m. - 5:00 p.m.
FEES: Before/After August 15, 2012 $395/ $445
COURSE C
IMPLANT THERAPY IN THE ESTHETIC ZONE

Overview

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 of 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.

Educational Objectives

- 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 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
- Soft tissue augmentation around implants
- Papilla preservation and regeneration around implants
- Minimally invasive tooth extraction
- Ridge preservation and augmentation
- Immediate implant placement 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

- Minimally invasive tooth extraction
- Socket preservation techniques
- Implant placement into extraction socket
- Impression techniques
- Abutment modification
- Provisional fabrication

Live surgery demonstration

- Minimally invasive tooth extraction
- Implant placement into extraction socket
- Fixture-level impression
- Abutment modification
- Provisional fabrication

Who will benefit from attending this course:

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

- 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
- Allied professionals (Laboratory technicians, dental hygienists and dental assistants) who participate as members of the implant therapy team and would like to be more effective in their functions by enhancing their fundamental and practical knowledge

LOCATION:  
Ostrow School of Dentistry of USC

DATES:  
Friday - Sunday,  
March 15 - 17, 2013

TIME:  
8:00 a.m. - 5:00 p.m.

FEES:  
Before February 15, 2013  
Dentist: $1,995  
Auxiliary: $995

After February 15, 2013  
Dentist: $2,195  
Auxiliary: $1,195
Overview

A variety of clinical scenarios may present, 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 anatomy, quantity and quality of available hard and soft tissues, the need for augmentation surgery, esthetic requirements, occlusal scheme and patient’s desires. The objective of this course is to review the fundamentals for prosthetic restoration of implants in patients. An evidence-base approach will be used to provide treatment options with high degree of predictability. Practical solutions to common prosthetic problems will be provided.

Educational Objectives

- Selection and sequencing of implant site development techniques
- Sinus augmentation rationale and techniques
- Piezosurgery techniques
- Horizontal ridge augmentation
- Vertical ridge augmentation
- Mandibular block auto-grafting
- Onlay block grafts: rationale and techniques
- Guided bone regeneration (GBR)
- Bone morphogenic protein (rhBMP-2) and PDGF applications
- Soft tissue augmentation around implants
- Vestibular Incision Subperiosteal Tunnel Access (VISTA) for soft tissue augmentation
- VISTA for ridge augmentation in the esthetic zone
- Minimally invasive tooth extraction
- Socket preservation and augmentation

Live surgery demonstration

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

Who will benefit from attending this course:

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

- 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
- Allied professionals (Laboratory technicians, dental hygienists and dental assistants) who participate as members of the implant therapy team and would like to be more effective in their functions by enhancing their fundamental and practical knowledge

Hands-on cadaver workshop

- Flap and tunnel access design
- Soft tissue augmentation around implants (VISTA)
- Socket preservation and augmentation
- Piezosurgery techniques
- Guided bone regeneration (GBR)
- Lateral window and crestal osteotomy sinus augmentation

LOCATION:  Ostrow School of Dentistry of USC

DATES:  Friday - Sunday,
April 5 - 7, 2013

TIME:  8:00 a.m. - 5:00 p.m.

FEES:  Before March 1, 2013
Dentist: $1,995  Auxiliary: $995
After March 1, 2013
Dentist: $2,195  Auxiliary: $1,195
COURSE E
ADVANCED SOFT TISSUE AND BONE GRAFTING WITH CADAVER WORKSHOP

Overview
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 a half days of lecture, hands-on model workshop and live surgery. The second module is a half-day cadaver workshop.

Educational Objectives
• Selection and sequencing of implant site development techniques
• Sinus augmentation rationale and techniques
• Piezosurgery techniques
• Horizontal ridge augmentation
• Vertical ridge augmentation
• Ridge splitting and expansion
• Mandibular block auto-grafting
• Onlay block grafts: rationale and techniques
• Guided bone regeneration (GBR)
• Bone morphogenic protein (rhBMP-2) and PDGF applications
• Soft tissue augmentation around implants
• Vestibular Incision Subperiosteal Tunnel Access (VISTA) for soft tissue augmentation
• VISTA for ridge augmentation in the esthetic zone
• Immediate loading
• Minimally invasive tooth extraction
• Orthodontic therapy for site development
• Minimally invasive tooth extraction
• Socket preservation and augmentation
• Immediate implant placement vs. staged implant placement

Hands-on cadaver workshop
• Lateral window and crestal osteotomy sinus augmentation
• Donor graft harvesting from ramus and symphysis
• Recipient site preparation and block graft fixation

Speakers
Dr. Dan Cullum, Dr. Steve Wallace, Dr. Homayoun Zadeh

LOCATION: Ostrow School of Dentistry of USC
DATES & TIME: Friday - Sunday, June 7 - 9, 2013
8:00am - 5:00pm/8:00am - 6:00pm
FEES: Before May 15, 2013 ➤ Dentist: $2,995  Auxiliary: $1,595
After May 15, 2013 ➤ Dentist: $3,295  Auxiliary: $1,795

Live surgery demonstration
• Lateral window and crestal osteotomy sinus augmentation
• Implant placement
• Vestibular Incision Subperiosteal Tunnel Access (VISTA) for soft tissue augmentation

Who will benefit from attending this course:
This course is suitable for clinicians with intermediate or advanced experience in implant surgery.
Lyndon F. Cooper, DDS, PhD
Dr. Cooper is the Stallings Distinguished Professor of Dentistry of the Department of Prosthodontics at the University of North Carolina at Chapel Hill. He is currently Chairperson, Acting Director of Graduate Prosthodontics and the Director of the Bone Biology and Implant Therapy Laboratory. Dr. Cooper is a Diplomate of the American Board of Prosthodontics and serves as the President of the American College of Prosthodontics. He received the 2004 Clinician/Researcher Award by the ACP. Dr. Cooper’s laboratory focuses on bone biology, adult stem cell bone regeneration, and clinical evaluation of dental implant therapies. The laboratory receives funding through NIH and by industry collaboration. Their research findings have been presented in over 70 publications and in more than 200 national and international presentations.

Dan Cullum, DDS
Dr. Cullum completed his DDS with distinction at the University of Alberta, Canada and residency training at Westchester Medical Center, New York. Dr. Cullum is a Diplomat of the American Board of Oral and Maxillofacial Surgery and speaks internationally. He is on faculty at Loma Linda University, Department of Oral and Maxillofacial Surgery as a visiting lecturer and has contributed textbook chapters on implant reconstruction. Dr. Cullum serves in leadership roles at national, state and local societies. At Implants Northwest (Coeur d’Alene, ID), he practices Oral and Maxillofacial Surgery with emphasis on immediate and minimally invasive techniques in esthetic implant reconstruction. Dr. Cullum is also president of Implants Northwest LIVE Learning Center, which emphasizes training in advanced techniques for surgeon/restorative teams using LIVE surgery and hands-on application in a small group environment.

Fereidoun Daftary, DDS, MSCD
Dr. Daftary received his DDS from the National University of Iran. He did post-graduate training in prosthodontics and earned his Master of Science degree in Dental Material at Boston University. He has held a position as an Assistant Professor at New York University and was Chair of the Department of Fixed Prosthodontics at the Ostrow School of Dentistry of USC for several years. Dr. Daftary has lectured nationally and internationally on various dental topics. He has also developed and patented the Anatomic Abutment and Bio-Esthetic Abutments as well as Anatomic Implant System. He maintains a private practice in Beverly Hills, California.

Ramin Mahallati, DDS
Dr. Mahallati graduated from the Ostrow School of Dentistry of USC where he also completed his advanced specialty training in Prosthodontics. He is a former Clinical Assistant Professor at Ostrow School of Dentistry. Presently, he maintains a private practice limited to Prosthodontics and Implant dentistry in Beverly Hills, California. He is also involved in research in the areas of Implant Dentistry and Dental Materials. He has presented nationally and internationally in the field of Implant Dentistry.

Fernando Rojas-Vizcaya, DDS, MS
Dr. Rojas-Vizcaya maintains a private practice limited to implant surgery and prosthodontics, and is the founder of the Mediterranean Prosthodontics Institute in Castellón, Spain. He also holds a position as Adjunct Assistant Professor in the Department of Prosthodontics in the University of North Carolina at Chapel Hill. He received his DDS degree from the Javeriana University in Colombia, his Specialty Degrees in Oral Surgery, Oral Medicine and Implant Dentistry and his Doctorate in Buccal Surgery from the Complutense University in Madrid, Spain. Dr. Rojas received his post-graduate specialty degree along with a MS in Prosthodontics, and a Fellowship in Oral Implantology from UNC.

Arnold Rosen, DDS, MBA
Dr. Rosen’s background spans all arenas of patient care, administration, and academia. His specialty from Boston University School of Graduate Dentistry and Sloan Kettering Memorial Cancer Institute was Prosthodontics and Maxillo-Facial Prosthetics and he has since added an MBA from Boston University. He has served as Director of the Dental Implant Center and founder of the Dental Implant Fellowship Program at Tufts University. He has also worked in telemedicine and teledental technologies as a consultant to the international medical forum in Argentina, and as co-founder of a telemedicine company and founder of Transcend, Inc.
Stephen Wallace, DDS
Dr. Wallace is a graduate of Boston University School of Graduate Dentistry with a certificate in Periodontics. He is Associate Professor at the New York University Department of Implant Dentistry and a Diplomate of the International Congress of Oral Implantology and a Fellow of the Academy of Osseointegration. He lectures in the United States and abroad on dental implantology and periodontics. He is the author of journal articles and textbook chapters on implantology and co-editor of sinus elevation textbook released in Italy. Dr. Wallace maintains a private practice limited to Periodontics in Waterbury, CT.

Clark M. Stanford, DDS, PhD
Centennial Fund Professor in the Dows Institute for Dental Research and in the Department of Prosthodontics, University of Iowa. Dr. Stanford received his BS, DDS, Certificate in Prosthodontics and PhD in Cell Biology from the University of Iowa. Dr. Stanford is a member of several professional organizations and serves on their governing board and committees. He is a Fellow in the Academy of Prosthodontics. His research activities include bone and connective tissue responses to mechanical stimuli, bone mineralization and clinical studies evaluating material outcomes. He maintains a clinical prosthodontic practice within the College of Dentistry.

Ira Paul Sy, DDS, MS
Dr. Sy is a Diplomate of the American Board of Periodontology. He received his D.D.S. from Case Western Reserve University, certificate in Implant surgery and Periodontics, as well as Masters in Oral Biology at the University of North Carolina. Dr. Sy is currently adjunct faculty at the University of North Carolina, University of British Columbia, Case Western Reserve University and Visiting Professor of Periodontics at the University of Witten in Germany. Dr. Sy has broadened his expertise through Prosthetic and Surgical fellowships at the University of Berne, Switzerland. He has served as Chief of Periodontics at Perkins Dental Clinic and assistant mentor in periodontics for the advanced general dentistry program at Fort Hood Texas. Dr Sy maintains a full time private practice focusing in comprehensive periodontal and implant assisted therapy in Vancouver, British Columbia.

Homayoun H. Zadeh, DDS, PhD
Associate Professor, Ostrow School of Dentistry of USC. Dr. Zadeh is a graduate of the Ostrow School of Dentistry. He completed the advanced clinical education in Periodontology and earned his PhD degree in Immunology from the University of Connecticut. He is a Diplomate of the American Board of Periodontology. He serves as the editorial reviewer for several scientific journals, and chairs a Scientific Study Section of NIH. Dr. Zadeh also leads a research team, funded by the NIH. His clinical research interests involve studies on minimally-invasive surgery and tissue engineering. He is Director of USC International Periodontal and Implant Symposium and maintains a part-time private practice limited to Periodontology and Implants in Southern California.

Sara Tanavoli, DDS, MS
Dr. Tanavoli is a Diplomate of the American Board of Periodontology. She has earned her dental degree combined with a masters degree in craniofacial biology with the emphasis in Immunology from Ostrow School of Dentistry of USC in 2001. She has completed her specialty training in Periodontology at USC and graduated in 2004. For the past 6 years, she has been in private practice limited to periodontology and implant surgery in Southern California.

Ira Paul Sy, DDS, MS
Dr. Sy is a Diplomate of the American Board of Periodontology. He received his D.D.S. from Case Western Reserve University, certificate in Implant surgery and Periodontics, as well as Masters in Oral Biology at the University of North Carolina. Dr. Sy is currently adjunct faculty at the University of North Carolina, University of British Columbia, Case Western Reserve University and Visiting Professor of Periodontics at the University of Witten in Germany. Dr. Sy has broadened his expertise through Prosthetic and Surgical fellowships at the University of Berne, Switzerland. He has served as Chief of Periodontics at Perkins Dental Clinic and assistant mentor in periodontics for the advanced general dentistry program at Fort Hood Texas. Dr Sy maintains a full time private practice focusing in comprehensive periodontal and implant assisted therapy in Vancouver, British Columbia.

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 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.
<table>
<thead>
<tr>
<th>COURSE</th>
<th>TUITION BEFORE</th>
<th>TUITION AFTER</th>
<th>AMOUNT ENCLOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dentist: $4,395</td>
<td>Dentist: $4,595</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auxiliary: $2,195</td>
<td>Auxiliary: $2,295</td>
<td></td>
</tr>
<tr>
<td>Course B: Implant Therapy for Edentulous Patients</td>
<td>November 10, 2012</td>
<td>November 10 2012</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dentist: $1,495</td>
<td>Dentist: $1,695</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auxiliary: $795</td>
<td>Auxiliary: $895</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dentist: $1,995</td>
<td>Dentist: $2,195</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auxiliary: $995</td>
<td>Auxiliary: $1,195</td>
<td></td>
</tr>
<tr>
<td>Course D: Basic Protocols in Bone and Soft Tissue Grafting in</td>
<td>March 1, 2013</td>
<td>March 1, 2013</td>
<td></td>
</tr>
<tr>
<td>Implant Therapy</td>
<td>Dentist: $1,995</td>
<td>Dentist: $2,195</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auxiliary: $995</td>
<td>Auxiliary: $1,195</td>
<td></td>
</tr>
<tr>
<td>Course E: Advanced Soft Tissue and Bone Grafting with Cadaver</td>
<td>May 15, 2013</td>
<td>May 15, 2013</td>
<td></td>
</tr>
<tr>
<td>Workshop</td>
<td>Dentist: $2,995</td>
<td>Dentist: $3,295</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auxiliary: $1,595</td>
<td>Auxiliary: $1,795</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$395</td>
<td>$445</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dentist: $9,995</td>
<td>Dentist: $10,495</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auxiliary: $5,495</td>
<td>Auxiliary: $5,995</td>
<td></td>
</tr>
<tr>
<td>38th Annual USC Periodontal &amp; Implant Symposium</td>
<td>Special Discount Price for Implant Training Program Enrollees Only</td>
<td>Dentist: $450; Auxiliary: $295</td>
<td></td>
</tr>
<tr>
<td>Hands-On Cadaver Workshop I: Microsurgery &amp; VISTA</td>
<td>December 1, 2012</td>
<td>December 1, 2012</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$1,795</td>
<td>$1,995</td>
<td></td>
</tr>
<tr>
<td>Hands-On Cadaver Workshop II: Maxillary Sinus Augmentation</td>
<td>December 1, 2012</td>
<td>December 1, 2012</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$1,795</td>
<td>$1,995</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$1,795</td>
<td>$1,995</td>
<td></td>
</tr>
</tbody>
</table>

Refunds are granted only if a written cancellation notification is received at least 21 days before the course. 50% of the tuition minus processing fee will be refunded if cancellation occurs within 14 days before this course. No refund is granted afterwards. A $100 fee is withheld for processing.

TOTAL TUITION FEES:

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

Online Registration Available at www.uscdentalce.org  *If you need additional registration form, please xerox this form.
Mark Your Calendars!

38th Annual USC Periodontal and Implant Symposium

General Sessions
Friday - Saturday
January 25 - 26, 2013

Dental Hygiene Forum
Saturday, January 26, 2013

Hands-On Cadaver Workshops
Wednesday, January 23, 2013
Thursday, January 24, 2013
Sunday, January 27, 2013

Comprehensive Surgical & Restorative Implant Training Program

Ridge Augmentation
Extraction Socket Bone Grafting
Abutment Selection

Virtual Implant Planning
Implant Restoration
CT Scan and Imaging

Corporate Sponsors

Osteohealth
Revolutionizing Regeneration

SALVIN
Dental Specialties