GLOBAL BONE GRAFTING SYMPOSIUM

APRIL 20-21, 2018
SCOTTSDALE, AZ

SPEAKERS

MICHAEL PIKOS DDS
SASCHA JOVANOVIC DDS, MS
ISTVAN URBAN DMD, MD, PhD
ALESSANDRO CUCCHI DDS, MSClin, PhD
KIRK PASQUINELLI DDS
BRIAN MEALEY DDS, MS
HOM-LAY WANG DDS, MSD, PhD
RODRIGO NEIVA DDS, MS
DANIEL CULLUM DDS
THOMAS WILSON, JR. DDS
SUZANNE CAUDRY PhD, DDS, MSc

HYATT REGENCY SCOTTSDALE
RESORT & SPA AT GAINEY RANCH

PLUS OPTIONAL HANDS-ON
WORKSHOPS ON APRIL 19
optional hands-on workshops

thursday, april 19, 2018

vertical ridge augmentation

fee: $695
1 pm - 5 pm | limited attendance | osteogenics biomedical designates this activity for 4 continuing education credits.

daniel cullum DDS

this hands-on workshop is designed for the advanced clinician. crestal sinus elevation is an evidence-based presentation of traditional and minimally invasive techniques used to manage the spectrum of anatomic defects encountered in daily practice. using lecture, videos, and hands-on applications, participants will gain understanding and proficiency with:

- crestal sinus elevation techniques: osteotomes, reamer drills, piezosurgery, and osseodensification
- immediate implant placement with crestal sinus elevation and dynamic navigation
- advanced crestal techniques including contiguous sinus floor elevation (CSFE)

these techniques offer a reduced healing interval and minimal patient discomfort. emphasis will be placed on the best clinical practices for progressive skill development and the role of CBCT for anatomic evaluation and technique selection to avoid complications.

minimally invasive crestal sinus elevation

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sascha jovanovic DDS, MS

this hands-on workshop is designed for the intermediate and advanced clinician. participants will understand principles of vertical ridge augmentation, indications and limitations, case selection, treatment planning, surgical techniques for flap advancement & primary closure, step-by-step surgical protocol, membrane selection, fixation devices, bone harvesting regions and techniques, and postoperative protocol. hands-on components using a pig mandible will include flap management, the use of titanium-reinforced membranes and various other biomaterials and fixation devices, and dual-layer primary closure.

surgeical techniques for predictable implant site development

fee: $695
1 pm - 5 pm | limited attendance | osteogenics biomedical designates this activity for 4 continuing education credits.

hom-lay wang DDS, MSD, PhD

this hands-on workshop is designed for the intermediate and advanced clinician. in order to achieve better implant placement and final esthetic appearance, implant site development is performed to prevent the bone loss that often occurs after tooth extraction or at the time of implant placement. this workshop will feature current extraction socket classification and associated management techniques, collar-plug/ho nothing, and socket and bone augmentation procedures. decision trees will be presented to guide clinicians on how to best select these different techniques to ensure optimal outcomes. furthermore, recent advancements in horizontal bone augmentation will also be demonstrated. the hands-on exercise will include incision design, flap management, membrane selection, membrane fixation, tenting, placement of layers of bone graft, flap tension release, and advanced suturing techniques related to both ridge preservation/socket augmentation and horizontal bone augmentation.
SPEAKERS

MICHAEL PIKOS DDS

Dr. Michael A. Pikos graduated with honors from Ohio State University College of Dentistry. He completed his residency in oral & maxillofacial surgery at the University of Pittsburgh, Montefiore Hospital. He is a diplomate of the American Board of Oral and Maxillofacial Surgery, American Board of Oral Implantology, and International Congress of Oral Implantologists. Dr. Pikos is adjunct assistant professor for the Department of Oral & Maxillofacial Surgery at Ohio State University College of Dentistry and Nova Southeastern University College of Dental Medicine and currently clinical associate professor for the Department of Periodontology and Department of Prosthodontics at the University of Florida College of Dentistry. He is an active member and frequent lecturer for the American Association of Oral and Maxillofacial Surgeons, American Academy of Periodontics, Academy of Osseointegration, American Academy of Implant Dentistry, and the International Congress of Oral Implantologists. He is the scientific advisor on implants for the Kos Center, and founder of the Pikos Implant Institute. Since 1990, he has taught advanced bone and soft tissue grafting courses to more than 3,600 alumni from all 50 states and 43 countries. He maintains a private practice in Palm Harbor, Florida, limited exclusively to implant surgery.

SASCHA JOVANOVIC DDS, MS

Dr. Sascha Jovanovic received his DDS from the University of Amsterdam and both his certificate in periodontics and MS in Oral Biology from UCLA. He formally trained in implant dentistry at Loma Linda University and in Prosthodontics at the University of Aachen in Germany. Dr. Jovanovic restricts his private practice in Los Angeles to dental implants, bone and soft tissue reconstruction, and esthetic implant dentistry. He has published 70 articles and book chapters, as well as co-authored the Thieme textbook titled Color Atlas of Implantology. Dr. Jovanovic serves on several editorial boards for scientific journals and is the past president of the European Association for Osseointegration. Dr. Jovanovic is academic chairman and founder of the gIDE Institute (www.gifiedental.com) and the 1-year Master Clinician Program in Implant Dentistry.

ISTVAN URBAN DMD, MD, PhD

Dr. Istvan Urban received his DMD degree and subsequently his MD degree from Semmelweis University School of Medicine and Dental Surgery in Budapest, Hungary. He first completed a residency program in oral surgery at St. Istvan Hospital in Budapest and then completed his internship program in periodontics at UCLA. After he graduated from the fellowship program in implant dentistry at Loma Linda University, he was appointed assistant professor the following year. In 2012, Dr. Urban received his PhD in periodontology from the University of Szeged, Hungary, where he is currently an honorary professor. Dr. Urban teaches implant dentistry in the graduate program at Loma Linda University, and he holds an active license in the state of California. He currently maintains a private practice in Budapest, Hungary. Dr. Urban is a board member of the Osteology Foundation and has published scientific articles and text book chapters on bone regeneration and soft tissue reconstructive surgery around dental implants. Recently, Dr. Urban has become an adjunct clinical associate professor at the Department of Periodontology and Oral Medicine at the University of Michigan. He is the author of the textbook, published by Quintessence, entitled Vertical and Horizontal Augmentation.

ALESSANDRO CUCCHI DDS, MSclin, PhD

Dr. Alessandro Cucchi earned his DDS degree from the University of Verona in Italy and completed his post graduate degree in oral surgery at the University of Milan in Italy. He then received his PhD in surgical science from the University of Bologna in Italy, and finally he completed a continuing education course in Periodontal Plastic and Regenerative Surgical Techniques at the University of Milan. Dr. Cucchi is a visiting professor at the master’s program in oral surgery and implantology at the University of Bologna. He has published several scientific articles in implantology and oral surgery in international peer-review journals, and he is a speaker at training courses and scientific meetings focused on implantology and reconstructive surgery. Dr. Cucchi dedicates his private practice to periodontology, implantology, and reconstructive surgery of the hard and soft tissues of the oral cavity.

KIRK PASQUINELLI DDS

Dr. Kirk Pasquinelli received his periodontal training at the University of Washington in Seattle. He is an assistant clinical professor at the University of California at San Francisco School of Dentistry, Division of Graduate Prosthetics and has taught continuing dental education at both UCSF and the University of the Pacific School of Dentistry. He is on the faculty of the Foundation for Advanced Continuing Education and is a consulting editor of the International Journal of Periodontics and Restorative Dentistry. He is a fellow of the American Academy of Esthetic Dentistry. Dr Pasquinelli continues to teach nationally and internationally and has authored numerous articles in periodontal and restorative dentistry literature. He maintains a full-time private practice in downtown San Francisco dedicated to periodontics, esthetic and pre-prosthetic oral surgery, as well as dental implants.
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These techniques offer a reduced healing interval and minimal patient discomfort. Emphasis will be placed on the best

DANIEL CULLUM DDS

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OPTIONAL HANDS-ON

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OSTEOGENICS 2018

KIRK PASQUINELLI DDS

Dr. Kirk Pasquinelli received his periodontal training at the University of Washington in Seattle. He is an assistant clinical

RODRIGO NEIVA DDS, MS

Dr. Rodrigo Neiva earned his DDS degree from Vale do Itajai University in Brazil and his MS in periodontics from the

University of Michigan School of Dentistry. He is a diplomate and board examiner of the American Board of

Perioodontology and a diplomate of the International Congress of Oral Implantology. He is also a fellow of the American

College of Dentists and a member of the Expert Council of the Osteology Foundation. Dr. Neiva serves as director of the

graduate program in periodontics at the University of Florida College of Dentistry. He is active in clinical research related to

bony and soft tissue augmentation, as well as novel techniques in implant and periodontal therapy. Dr. Neiva has

published various scientific papers and book chapters in the fields of periodontics and oral implantology. He lectures

frequently both nationally and internationally.

ISTVAN URBAN DMD, MD, PhD

Dr. Istvan Urban received his DMD degree and subsequently his MD degree from Semmelweis University School of

the University of Aachen in Germany. Dr. Jovanovic restricts his private practice in Los Angeles to dental implants,

Since 1990, he has taught advanced bone and soft tissue grafting courses to more than 3,600 alumni from all 50 states

Active member and frequent lecturer for the American Association of Oral and Maxillofacial Surgeons, American Academy

Department of Periodontology and Department of Prosthodontics at the University of Florida College of Dentistry. He is an

MICHAEL PIKOS DDS

He is a former director of the Foundation for Advanced Continuing Education and is a consulting editor of the International Journal of

Dentistry and the University of Texas at San Antonio Dental School. Dr. Wilson has lectured extensively on a national and

limited to periodontics in Dallas, Texas. Dr. Wilson is a Diplomate of the American Board of Periodontology and a member of

the board of directors for the AO. Dr. Wang is the recipient of numerous awards and honors for his clinical and educational

systemic health; periodontal regenerative therapy, bone grafting, and dental implant therapy. He is a former director of the

BRIAN MEALEY DDS, MS

Dr. Brian Mealey is a professor and residency program director at the University of Texas Health Science Center in San

Antonio, Texas, where he received his DDS and MS in Periodontics. He has co-authored two textbooks and more than

100 articles and abstracts in scientific literature. Dr. Mealey’s current areas of research include: periodontal disease and

systemic health; periodontal regenerative therapy, bone grafting, and dental implant therapy. He is a former director of the

American Board of Periodontology and trustee of the American Academy of Periodontology. Dr. Mealey maintains an

active clinical practice in periodontics and implant dentistry.

SUZANNE CAUDRY PhD, DDS, MSc

Dr. Suzanne Caudry received her PhD with honors in microbiology from La Trobe University in Melbourne, Australia

before going to McGill University in Montreal, Canada where she received her DDS with honors. Dr. Caudry received her

MSc in oral biology and periodontology from the University of Toronto. Dr. Caudry maintains a private practice in Toronto

with an emphasis on implant surgery, periodontics, and sedation. She teaches implant surgery to the graduate periodontal

students at the University of Toronto and runs the Caudry Training Center for dental continuing education. Maintaining

the spirit of her scientific research background, Dr. Caudry has authored numerous papers and is involved with research in

dental implants and related topics.
### FRIDAY SCHEDULE | APRIL 20

7:00 - 8:00  BREAKFAST  
8:00 - 9:30  MICHAEL PIKOS  
9:30 - 10:00  BREAK  
10:00 - 11:15  SASCHA JOVANOVIC  
11:15 - 12:15  ISTVAN URBAN  
12:15 - 1:15  LUNCH  
1:15 - 2:15  RODRIGO NEIVA  
2:15 - 2:45  ALESSANDRO CUCCHI  
2:45 - 3:15  BREAK  
3:15 - 4:45  KIRK PASQUINELLI  
4:45 - 5:00  GBR PANEL SUMMARY

### SATURDAY SCHEDULE | APRIL 21

7:00 - 8:00  BREAKFAST  
8:00 - 8:50  BRIAN MEALEY  
8:50 - 10:00  HOM-LAY WANG  
10:00 - 10:30  BREAK  
10:30 - 11:30  RODRIGO NEIVA  
11:30 - 12:30  DANIEL CULLUM  
12:30 - 1:45  RIDGE PRESERVATION PANEL SUMMARY  
1:45 - 2:00  BREAK  
2:00 - 2:30  THOMAS WILSON  
2:30 - 3:30  SUZANNE CAUDRY  
3:30 - 4:30  PERI-IMPLANTITIS PANEL SUMMARY  
4:30 - 4:45  GBR PANEL SUMMARY

### SYMPOSIUM LECTURE TOPICS

- Hard and soft tissue grafting protocols for single tooth, multiple teeth, and full arch reconstruction
- The use of 3D digital planning and diagnostic protocols
- The role of recombinant proteins and other bioactive modifiers for hard and soft tissue grafting
- Strategies for minimizing and treating complications in guided bone regeneration
- Patient selection factors for vertical ridge augmentation procedures
- Avoiding sloughing of the flap in alveolar ridge augmentation procedures
- Managing membrane exposures in vertical ridge augmentation procedures
- Treatment planning for hard and soft tissue grafting in vertical ridge augmentation
- Vertical bone augmentation surgical techniques
- “Free Curtain Flap” design in vertical ridge augmentation
- Selection of graft materials, membranes, fixation screws/tacks, and sutures, with rationale and review of available evidence, in vertical ridge augmentation procedures
- Autogenous bone harvesting – regions and techniques
- Double-layer suturing technique for obtaining and maintaining primary closure in alveolar ridge augmentation procedures
- Provisionalization of surgical area following alveolar ridge augmentation
- Patient post-op instructions following alveolar ridge augmentation
- Soft tissue grafting techniques following vertical bone augmentation
- Regenerative healing and implant placement timelines following alveolar ridge augmentation
- GBR with Ti-reinforced PTFE membranes vs. Ti-mesh with collagen membranes
- Complication types and rates in guided bone regeneration
- Histological findings in guided bone regeneration
- Utilization of soft tissue grafting & manipulation techniques in implant therapy, including:  
  - Prior to implant placement  
  - At time of implant placement  
  - At time of implant uncovering  
  - Treating failing implants
- Review of available evidence of bone loss and efficacy of ridge preservation following tooth extraction
- Review wound healing events following ridge preservation performed with a wide variety of materials
- Histologic comparison of new bone formation of several graft materials in ridge preservation
- Utilization of PTFE membranes for predictable ridge preservation and augmentation
- Properties, pros, and cons of using PTFE membranes compared to other types of barrier membranes
- Decision trees for ridge preservation and ridge augmentation to guide clinicians on how to best select different techniques to ensure optimal and predictable outcomes
- Bone instrumentation utilizing osseodensification to enhance and optimize the implant site
- Biomaterial selection and application with osseodensification protocols
- Selection of barrier membranes and graft materials to regenerate lost alveolar ridge anatomy
- Minimally invasive sinus elevation for implant placement
- Bone grafting decision-tree focused around implant placement (immediate, staged, delayed) in the maxilla
- Biomaterial selection for sinus elevation
- Application of osseodensification used in conjunction with dynamic navigation
- The role of foreign bodies, including cement and titanium, found in soft tissues surrounding implants affected by peri-implantitis
- The effect of early and late colonizing bacteria on the implant surfaces and their role in the production of these foreign bodies
- New therapeutic and maintenance modalities for peri-implantitis, including appropriate methods for removing biofilm from infected implant surfaces
- Minimizing the risks of biological complications
- Identifying peri-implantitis
- Rescue vs. remove implants with peri-implantitis
- Grafting techniques to treat peri-implantitis

### LEARNING OBJECTIVES:

- Improve comprehensive treatment planning skills with emphasis on achieving natural esthetics
- Integrate the latest technologies, materials, and techniques into the treatment planning process
- Critically evaluate the available evidence relative to various grafting and augmentation techniques

**Osteogenics Biomedical**

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