



OSTEOGENICS

2020 GLOBAL BONE GRAFTING SYMPOSIUM



**APRIL 24-25, 2020
PHOENIX, AZ**

JW MARRIOTT PHOENIX
DESERT RIDGE RESORT & SPA

SPEAKERS

MICHAEL A. PIKOS DDS
BRIAN MEALEY DDS, MS
ISTVAN URBAN DMD, MD, PhD
GEORGE KOTSAKIS DDS, MS
FABRIZIO BELLEGGIA DDS
SHAUN ROTENBERG DMD
CHRIS CHURCH MD
RAMÓN GÓMEZ MEDA DDS
HOM-LAY WANG DDS, MSD, PhD
MARCO RONDA DDS
SASCHA JOVANOVIĆ DDS, MS
DANIEL CULLUM DDS
MATTHEW FIEN DDS
ISRAEL PUTERMAN DMD, MSD
THOMAS WILSON, JR. DDS

PLUS OPTIONAL
HANDS-ON WORKSHOPS

APRIL 23

SCHEDULE OF EVENTS

SCHEDULE & SPEAKER TIMES
SUBJECT TO CHANGE

FRIDAY SCHEDULE | APRIL 24

7:00 - 8:00	BREAKFAST
8:00 - 9:30	MICHAEL A. PIKOS
9:30 - 10:00	BREAK
10:00 - 11:00	BRIAN MEALEY
11:00 - 12:30	ISTVAN URBAN
12:30 - 1:30	LUNCH
1:30 - 2:15	GEORGE KOTSAKIS
2:15 - 3:00	FABRIZIO BELLEGGIA
3:00 - 3:30	BREAK
3:30 - 4:10	SHAUN ROTENBERG
4:10 - 5:00	CHRIS CHURCH
5:00 - 5:15	PANEL SUMMARY

SATURDAY SCHEDULE | APRIL 25

7:00 - 8:00	BREAKFAST
8:00 - 9:30	RAMÓN GÓMEZ MEDA
9:30 - 10:00	BREAK
10:00 - 11:15	HOM-LAY WANG
11:15 - 12:15	MARCO RONDA
12:15 - 1:15	LUNCH
1:15 - 2:45	SASCHA JOVANOVIC
2:45 - 3:00	PANEL SUMMARY

SYMPOSIUM LECTURE TOPICS

- Sinus Grafting 30 Years: Myths and Realities
- 12 commonly held myths of lateral wall and crestal sinus grafting
- The biology of the sinus membrane and graft materials
- Sinus membrane anatomy and physiology
- Management of large and complete membrane perforation
- Grafting in the presence of pathology for both lateral wall and crestal sinus grafts
- The evidence base for predictable long term results with lateral wall and crestal sinus grafts
- Interpreting sinus findings on CBCT
- Management of odontogenic sinusitis
- Determining when to refer a patient to ENT specialist
- 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
- Histologic and volumetric comparison of new bone formation at different re-entry time points
- Ridge preservation techniques in extraction sites with buccal defects
- Minimally-invasive ridge preservation for anterior esthetics
- Vertical ridge augmentation with the use of collagen membranes
- Grafting of moderate-sized ridge defects with collagen membranes and/or tenting screws
- Selection criteria for GBR membranes
- Clinical and histological outcomes of augmentation procedures using a highly porous porcine graft material
- New techniques and timelines for hard and soft tissue reconstruction of deficient alveolar ridges
- 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
- The use of a hybrid design PTFE mesh with the adaptability of a membrane
- 3D Horizontal & Vertical GBR simultaneous to implant placement: an efficient way to speed up multidisciplinary treatments?
- How to get predictable results with Cytoplast™ membranes, avoiding many surgeries
- Hard and soft tissue management in large guided bone regeneration procedures
- New classification of peri-implant diseases and conditions
- Titanium particles as an etiologic factor for implant failure
- A novel implant-driven peri-implantitis therapy protocol
- The influence of peri-implant phenotype on peri-implantitis
- EP-DDS protocol for predictable peri-implantitis defect regeneration
- Peri-implantitis disinfection and regeneration protocols
- Soft tissue augmentation following GBR procedures to preserve crestal bone, gain and regain mucogingival levels, and optimize long-term esthetic implant results

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 DESIGNATES THIS ACTIVITY
FOR 12.75 CONTINUING EDUCATION LECTURE CREDITS.**

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SPONSORS





OPTIONAL HANDS-ON WORKSHOPS

THURSDAY, APRIL 23, 2020



MICHAEL A. PIKOS
DDS

SINUS GRAFTING FOR IMPLANT RECONSTRUCTION

FEE: \$695

8A - 12P | Limited Attendance | Osteogenics Biomedical designates this activity for 4 continuing education credits.

This unique, clinically-based hands-on workshop will draw from the speaker's 30-year experience with more than 1400 sinus graft procedures. Through lecture discussion, HD videos, and hands-on experience, participants will:

- Learn the indications and step-by-step surgical protocol for lateral wall and crestal sinus grafting.
- Understand the application of osseodensification with lateral wall and crestal sinus grafting with simultaneous implant placement.
- Learn and perform lateral and crestal sinus graft procedures with model surgery.
- Understand the use of bioactive modifiers (L-PRF, rhPDGF, rhBMP2) in conjunction with sinus bone grafting.
- Learn the 15 risk factors associated with sinus bone grafting.
- Learn and perform the Pikos Membrane Repair Technique for large and complete membrane perforations with model surgery.



ISTVAN URBAN
DMD, MD, PhD

VERTICAL RIDGE AUGMENTATION

FEE: \$695

8A - 12P | Limited Attendance | Osteogenics Biomedical designates this activity for 4 continuing education credits.

Vertical augmentation presents one of the greatest challenges of bone regeneration in implant dentistry. Reconstruction of the anterior maxilla, as well as the posterior areas, will be discussed in detail. Review of the surgical anatomy of the floor of the mouth, in addition to lingual flap management during posterior mandibular surgery, will be presented. Diagnosis and management of post-operative complications will also be addressed. During this session, several high-definition surgical videos will support the understanding of these demanding surgical procedures.

- Apply indications, patient selection, and treatment alternatives for vertical augmentation.
- Identify a comprehensive approach for the anterior maxillary vertical defect.
- Review the surgical anatomy of the floor of the mouth and the successful surgical technique of the posterior mandible.



DANIEL CULLUM
DDS

MINIMALLY INVASIVE GRAFTING FOR EXTRACTION SITES AND MULTI-TOOTH DEFECTS

FEE: \$695

8A - 12P | Limited Attendance | Osteogenics Biomedical designates this activity for 4 continuing education credits.

Grafting of extraction defects and augmentation of alveolar deficiencies are critical for adequate bone volume and long-term implant success. The continuum of evidence-based minimally invasive techniques for open socket grafting, soft tissue management, and horizontal augmentation will be presented, including graft material selection, biologics, tenting screws, and barrier membranes. Technological advances and comprehensive CBCT diagnosis will be reviewed to enhance wound healing and avoid complications in patient-centric care. Participants will gain understanding and proficiency with:

- The role of CBCT and navigation software as technologies to advance diagnosis and planning for patient-centric care.
- Applying bone grafting and horizontal augmentation procedures based on anatomy of extraction site, bone, and soft tissue defects.
- Determining parameters for prevention of complications with enhanced wound healing.



MATTHEW FIEN
DDS
ISRAEL PUTERMAN
DMD, MSD

ADVANCED SUTURING IN GBR WITH @FIENODONTICS AND @IMPLANTSDC FEE: \$350

3P - 5P | Limited Attendance | Osteogenics Biomedical designates this activity for 2 continuing education credits.

This hands on workshop is intended for the beginner, intermediate, and advanced surgeon. Drs. Fien and Puterman will present their favorite suturing materials and techniques for both bone and soft tissue grafting. The fundamental principles of suturing and knot tying will be illustrated along with numerous techniques to be used for ridge preservation, ridge augmentation, and gingival grafting. Attendees will participate in multiple hands-on exercises with unique and entertaining challenges that will assuredly improve your suturing skills.*

*Enjoy a drink or two at this workshop's open bar while connecting with your colleagues.

SPEAKERS

FRIDAY & SATURDAY | APRIL 24-25, 2020

MICHAEL A. 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, courtesy clinical associate professor for the Department of Periodontology and Department of Prosthodontics at the University of Florida College of Dentistry, adjunct professor for the Department of Oral & Maxillofacial Surgery of Aristotle University School of Dentistry in Thessaloniki, Greece, and adjunct associate professor for the Department of Periodontology of the University of Alabama Birmingham. 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 Kois Center, and founder of the Pikos Implant Institute. Dr. Pikos authored the book "Bone Augmentation in Implant Dentistry" published by Quintessence Publishing. Since 1990, he has taught advanced bone and soft tissue grafting courses to more than 4,300 alumni from all 50 states and 43 countries. He maintains a private practice in Palm Harbor, Florida, limited exclusively to implant based surgical reconstruction.



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.



ISTVAN URBAN DMD, MD, PhD

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



GEORGE KOTSAKIS DDS, MS

Dr. George Kotsakis received his DDS from the University of Athens, and following graduation, he practiced in Athens, Greece for several years before coming to the United States. He then completed his residency in periodontics and obtained an MS in Science from the University of Minnesota, where he first got involved in peri-implantitis research. Following his training, he became an assistant professor in the Department of Periodontics at the University of Washington in Seattle. In 2018, he moved to UTHSCA at San Antonio where he is currently an associate professor of periodontics and directs the Clinical & Translational Periodontal Research Lab. He is a Diplomate of the American Board of Periodontology and an affiliate faculty member at the Universities of Washington and Minnesota. Dr. Kotsakis has published more than 70 peer-reviewed scientific articles and textbook chapters with more than 3,000 citations of his work. He is one of the few dental researchers to have been published in the prestigious Lancet. He is the recipient of multiple career and research awards from the American Academy of Periodontology, the Academy of Periodontology Foundation, and other organizations. Dr. Kotsakis practices periodontics in the UTHSCA intramural clinics with a focus on treating implant complications and peri-implantitis, and he lectures on peri-implantitis nationally and internationally.



FABRIZIO BELLEGGIA DDS

Dr. Fabrizio Belleggia graduated with honors in Dentistry and Dental Prosthesis from the Catholic University of Sacred Heart in Rome, Italy in 1997. He worked as an oral and implant surgeon at San Giovanni Calibita "Fatebenefratelli" General Hospital in Rome, from 2000 to 2007. Subsequently, he received his post graduate degree with honors in oral surgery from the University of Rome "Tor Vergata" in 2009. He was an active member of the former Italian Society of Osseointegration (SIO) from 2012 to 2015 as well as founder and past-president of the Italian section of the Osstem-AIC (Advanced Dental Implant Research & Education Center) from 2015 to 2016. Dr. Belleggia has published several papers and has lectured on periodontology, osseointegration, oral surgery, bone regeneration, and soft tissue reconstruction at the implant site. He periodically lectures and provides practical training courses of advanced techniques for bone regeneration and soft tissue reconstruction using live surgery and hands-on application in a small group environment. He maintains a private practice in Rome, focusing on periodontics, oral surgery, and oral implantology.



SHAUN ROTENBERG DMD

Dr. Shaun Rotenberg received his dental degree from the Medical College of Georgia and achieved his certificate in periodontics and a Master of Science degree from Ohio State University, where he served as chief resident. Dr. Rotenberg is an assistant professor for the Division of Periodontology at the Ohio State University College of Dentistry in Columbus, Ohio. He also maintains a private practice in the Columbus area that focuses on periodontal therapy, implant therapy, and periodontal plastic surgery. Dr. Rotenberg serves as staff periodontist for Nationwide Children's Hospital and Mount Carmel East Hospital. He is a diplomate of the American Board of Periodontology and has authored/co-authored several peer-reviewed articles in journals such as the Journal of Periodontology and The International Journal of Oral Maxillofacial Implants. Dr. Rotenberg's current research interests include soft tissue augmentation and peri-implant disease, and he has presented at both national and international professional meetings.



CHRIS CHURCH MD

Dr. Christopher Church is professor of otolaryngology-head & neck surgery at Loma Linda University. He completed his medical degree and residency in otolaryngology at Loma Linda before pursuing a rhinology and advanced sinus surgery fellowship at Stanford. Since 2002, Dr. Church has been director of the Loma Linda University Sinus & Allergy Center, where his clinical and research interests have centered around the management of chronic sinusitis and other diseases of the nose and sinuses. He enjoys teaching residents and students and serves as the otolaryngology residency program director for Loma Linda. Collaborative education and research efforts with his colleagues in dentistry have been a rewarding part of his career over the past few years.



Dr. Ramón Gómez Meda received his degree in dentistry from the University of Santiago de Compostela in Spain in 1996. He then went on to obtain a masters of occlusion and temporo-mandibular dysfunction from the University of Valencia in 1998. Dr. Gómez Meda completed postgraduate training in orthodontics, periodontics, and implantology and is a former partner in the restorative dentistry, endodontics, and surgery departments at the University of Santiago de Compostela. He is a national and international lecturer on periodontics, implantology, and aesthetic multidisciplinary treatments, as well as a DentalXP expert and Zeiss microscope expert. Dr. Gómez Meda has maintained a private practice in Ponferrada, Spain since 2001.

RAMÓN GÓMEZ MEDA DDS



HOM-LAY WANG DDS, MSD, PhD

Dr. Hom-Lay Wang received his DDS from Taipei Medical College in Taiwan, a DDS and MSD from Case Western Reserve University in Cleveland, Ohio, and his PhD in dental science from Hiroshima University, Japan. Dr. Wang is an endowed collegiate professor of periodontics, and a professor and director of graduate periodontics at the University of Michigan School of Dentistry. He is the author or co-author of 30 book chapters/invited reviews and more than 580 scientific articles. Dr. Wang currently serves as a member of Scientific Oversight Committee and Continuing Education Oversight Committee for the American Academy of Periodontology (AAP), JOMI Oversight Committee for the Academy of Osseointegration (AO), and is on the board of directors for the AO. Dr. Wang is the recipient of numerous awards and honors for his clinical and educational contributions. Most recently he was honored with the AAP Outstanding Periodontal Educator Award, the AAP Distinguished Scientist Award, and the AAP Master Clinician Award.



MARCO RONDA DDS

Dr. Marco Ronda graduated with a degree in medicine from the University of Verona. A one-year course in advanced surgery, taught by Dr. Massimo Simion, and a Masters course in Regenerative Surgical Techniques at the University of Pennsylvania are among the many specialization courses he has attended. Dr. Ronda periodically gives lectures and provides practical training courses in implantology and bone regeneration techniques at his practice in Genoa. He is also invited to speak at many national and international meetings and cooperates with several Italian universities including Milan, Trieste, Modena, Genoa, and Pisa, and he is an adjunct professor at Bologna University. The International Journal of Periodontics & Restorative Dentistry has published his study regarding a new surgical technique of lingual flap management that has proved to increase bone volume in all cases. He is also the author of an article that was published in the Clinical Oral Implants Research journal that compares expanded PTFE and dense PTFE in guided bone regeneration.



SASCHA A. JOVANOVIĆ 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 more than 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.gidedental.com) and the 1-year Master Clinician Program in Implant Dentistry.



DANIEL CULLUM DDS

Dr. Dan 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 Diplomate of the American Board of Oral and Maxillofacial Surgery and is on faculty as a Visiting Lecturer at Loma Linda University, Department of Oral and Maxillofacial Surgery and UCLA, Department of Oral and Maxillofacial Surgery. He speaks internationally and has contributed articles, textbook chapters, and an innovative textbook on minimally invasive implant reconstruction. Dr. Cullum has served 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 applications in a small group environment.



MATTHEW FIEN DDS

Dr. Matthew J. Fien graduated from Columbia University College of Dental Medicine in 2006. He then received his specialty training in periodontics from Nova Southeastern University and his diplomate status from the American Board of Periodontology and Implant Dentistry in 2009. Dr. Fien has completed a number of research projects which have led to his work being published in various dental journals, including the Journal of Periodontology, the Journal of Oral and Maxillofacial Surgery, the Compendium of Continuing Education in Dentistry, and the International Journal of Periodontics and Restorative Dentistry. He lectures throughout the country on bone grafting techniques and all aspects of implant dentistry. He developed a hands-on guided bone regeneration course, which he teaches several times throughout the year. Dr. Fien enjoys lecturing at Nova Southeastern University and several other postgraduate dental programs throughout the country. He is an active member of the American Academy of Periodontology and the Academy of Osseointegration and maintains a private practice in Fort Lauderdale, Florida, limited to periodontics and implant dentistry.



ISRAEL PUTERMAN DMD, MSD

Dr. Israel Puterman, a native of Montreal, Canada, received his DMD from Boston University in 2002. He then attended Loma Linda University, where he received a Master of Science in Dentistry as well as two graduate certificates in 2008: one in implant dentistry and one in periodontics. While he uses his prosthetic training to aid referral colleagues with treatment planning, he restricts his ImplantsDC practice in Chevy Chase, Maryland to the surgical fields of implant dentistry, periodontics, and bone and soft tissue regeneration. Dr. Puterman is a published author in various journals, including the Journal of Prosthetic Dentistry and the Journal of Prosthodontics. He lectures widely and regularly teaches courses in ridge augmentation. He is also the recipient of awards from the California Society of Periodontists, the Western Society of Periodontists, and the American Academy of Implant Dentistry, and has been honored by colleagues as a Best of Washingtonian Periodontist since 2011.



THOMAS WILSON, JR. DDS

Dr. Thomas Wilson, Jr. received his DDS degree from the University of Tennessee School of Dentistry and his certificate in periodontics from the University of Washington Graduate School of Dentistry. Dr. Wilson maintains a full-time private practice limited to periodontics in Dallas, Texas. Dr. Wilson is a Diplomate of the American Board of Periodontology and a member of the International College of Dentists. He serves as a clinical associate professor at the Texas A&M University Baylor College of Dentistry and the University of Texas at San Antonio Dental School. Dr. Wilson has lectured extensively on a national and international level and is the author of a number of professional publications. He is also author of two award-winning textbooks and an editor and contributor to five books covering periodontal disease and dental implants. In addition, Dr. Wilson was formerly editor-in-chief of Quintessence International, as well as associate editor of the Journal of Periodontology. He is the editor-in-chief of Decisions in Dentistry and currently serves as a reviewer for a number of professional journals.





REGISTRATION



SYMPOSIUM REGISTRATION

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\$500/PERSON ASSISTANTS AND OFFICE PERSONNEL

\$695/PERSON HANDS ON WORKSHOPS, APRIL 23

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