Zimmer Biomet Institute
Interactive Web-Based Learning

On-Demand Programs
Knowledge is Power

Because learning is a lifelong process, the Zimmer Biomet Institute presents web-based learning. This web-based educational format will enable dental professionals to participate in highly interactive sessions exploring a wide range of contemporary clinical topics in implant and reconstructive therapy, with the goal of providing high quality patient care. This type of learning environment is ideal for stimulating discussion among peers. Each program offers one continuing education (CE) credit.*

The Zimmer Biomet Institute offers a high-quality educational curriculum in a personalized learning environment—right in your own community. It is intended to help participating clinicians overcome obstacles and challenges in their clinical practices and stay abreast of new developments in technology and research, so that they can move to the next level of quality care.

Each of the programs were initially broadcast live from the Zimmer Biomet Institute and led by leading experts in the profession. Groups of dental professionals including practicing clinicians, post-doctoral residents, dental students and faculty, may gather for the presentation in their local community or at their university or hospital. Alternatively, individuals may “attend” the lectures remotely on their own time. Group sessions may continue with representatives leading a hands-on experience with models and other educational tools.

A great advantage of web-based learning is that it allows clinicians to enjoy professional camaraderie, share ideas, and stimulate discussion—without the onus of having to travel to do so. They can learn about new research in a compelling setting and pose new topics for discussion.

It is our great pleasure to invite you to share in this exciting educational format. The reward should be not only personal and professional growth but also an elevated overall level of knowledge about implant therapy.

*Through ADACERP and AGDPACE.
In the pursuit of exceptional patient outcomes, we recognize the importance ongoing education holds for the dental professional.

As a result, the Zimmer Biomet Institute offers world-class educational opportunities via live and on-demand web-based programs and in learning facilities throughout the world. Our specialty courses focus on current and emerging dental procedures, technology and products empowering you to exceed the needs of your patients and your practice.
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ON-DEMAND WEBCAST

PROGRAM DESCRIPTION:
The terminal dentition presents significant diagnostic and treatment planning challenges. Loss of teeth caused by severe periodontal disease, as well as caries, often results in disfigurement, infection and loss of function. Severe bone loss may ensue. The multiplicity of treatment options available to treat the failing dentition will be elucidated with a clear algorithm which allows the doctor to guide the patient decision making process. With the predictability of implant therapy, patients previously without hope can be restored to health and aesthetics.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Learn the Treatment Planning Checklist – Examination, Diagnosis, Treatment Plans, and Treatment.
- Understand the costs, risks, and benefits to the multiplicity of patient treatment options.
- Realize that bone is the most important requirement for implant success.
- Understand the various forms of treatment for full mouth implant restorations including removable and fixed options.

Michael Sonick, DDS
Dr. Sonick is a graduate of Colgate University, the University of Connecticut School of Dental Medicine, and Emory University School of Dentistry in Periodontics. He currently is a Guest Lecturer at New York University School of Dentistry in their international dental program and a former Clinical Assistant Professor in the Department of Surgery at Yale University School of Medicine. Dr. Sonick is Founder and Director of the Fairfield County Dental Club. He lectures, both domestically and internationally, and maintains a private practice, devoted to Periodontics, in Fairfield, CT.

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PROGRAM DESCRIPTION:
When patients present for implant therapy with ideal tooth position, great care must be taken to maintain or sometimes rebuild tissue for optimal aesthetic outcomes. Many times, however, patients present for treatment with less than ideal tooth position. This program outlines a treatment planning protocol that allows the practitioner to efficiently determine a patient’s treatment options for comprehensive treatment. Case examples will be presented to demonstrate how this protocol can be applied, including one case of a patient presenting for implant therapy with non-ideal aesthetics.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Differentiate between traditional and systematic treatment planning.
- Understand the STEP (Systematic Treatment Evaluation Protocol) sequence.
- Acquire the skills necessary to perform STEP.
- Comprehend the application of the STEP sequence in a treatment planning case example.

Joseph C. Passaro, DDS and James B. Wooddell, DDS
Drs. Passaro and Wooddell graduated from the University of Maryland Dental School, where they were classmates and have been in practice together for more than 38 years. Their practice focuses on Comprehensive Restorative and Esthetic Dentistry in Davidsonville, Maryland. Drs. Passaro and Wooddell completed training in occlusion and the concepts of complete dentistry at the Dawson Center for Advanced Dental Study, TMJ studies at the Piper Education and Research Center, and esthetics at the Seattle Institute for Advanced Dental Studies. Drs. Passaro and Wooddell have assimilated their extensive knowledge and experience into a program to effectively diagnose, develop, communicate, and implement an appropriate treatment plan to optimize restorative outcomes.

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Ideal dental and medical care involves treatment of the entire patient. However, this is not always the case. Health care providers, including both dentists and physicians, are often taught to perform procedures, not comprehensive patient care. Dental school training oftentimes focuses on the mastery of individual skills and technical procedures. The upshot of the current dental model is a reduced acceptance of treatment that is not in the patient’s or health care provider’s best interest. The mission is to establish healthy relationships based on trust and shared decision-making among the patient, doctor, and staff. This begins with a comprehensive examination and treatment plan, with the understanding that a healthy periodontium is the foundation of a healthy mouth and hence all dentistry. Achieving acceptance of treatment that is in the patient’s best interest and that aligns with their goals, involves an approach that differs greatly from the traditional report of findings and list of procedures. This program will review the important patient communication techniques that successfully lead to patients saying “yes” to comprehensive dental treatment. The science and thought process which leads to predictable decisions will be elucidated.

At the completion of the program, participants should be able to:

• Perform a comprehensive diagnosis and treatment plan.
• Establish rapport, trust and engagement with the patient.
• Achieve greater patient acceptance of comprehensive treatment.
• Know the value of supportive periodontal therapy including CT grafts, aesthetic crown lengthening, bone grafting, and aesthetic implant placement.

Michael Sonick, DMD
Dr. Sonick is a graduate of Colgate University, the University of Connecticut School of Dental Medicine, and Emory University School of Dentistry in Periodontics. He currently is a Guest Lecturer at New York University School of Dentistry in their international dental program and a former Clinical Assistant Professor in the Department of Surgery at Yale University School of Medicine. Dr. Sonick is Founder and Director of the Fairfield County Dental Club and Sonick Seminars. He lectures, both domestically and internationally, and maintains a private practice, devoted to Periodontics, in Fairfield, CT.

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Identification of Candidates for Implant Therapy

ON-DEMAND WEBCAST

PROGRAM DESCRIPTION:
Dental practitioners and their staff are faced with treatment planning decisions to replace missing teeth. Geared toward the entire dental team, this program presents information that can enable participants to offer their patients a highly successful alternative to restoring edentulous spaces. This program, reviewing myriad scenarios seen in everyday practice, explores the possibilities and benefits implant dentistry can afford to patients.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Identify candidates and plan treatment for dental implants.
• Discuss with patients the options involved in potential implant scenarios.
• Describe an effective method for restoring the edentulous mandible in accordance with the 2002 McGill Consensus Statement on overdentures.
• Compare the benefits of an implant prosthesis versus a conventional three-unit fixed bridge.

Bruce Ouellette, DDS
Dr. Ouellette received his dental degree from the University of Maryland in Baltimore, MD. His professional affiliations include the American Dental Association, the American Society of Osseointegration, the International Congress of Oral Implantology, the Florida Academy of Cosmetic Dentistry, the Florida Dental Association, and the Palm Beach County Dental Association. Dr. Ouellette is on the faculty at the Dawson Academy For Advanced Dental Study in St. Petersburg, FL and is a clinical instructor for the Palm Beach State College. He maintains a private practice with a focus on occlusion, aesthetics, implant reconstruction, and TMJ in West Palm Beach, FL.

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PROGRAM DESCRIPTION:
The goal of implant therapy is to provide, in an efficient manner, a restorative solution that is long lasting, functional, and aesthetically pleasing. Proper diagnosis and treatment planning make this possible and lead to favorable outcomes. This program will include the presentation of a systematic approach to the examination of the patient and consideration of the biologic and mechanical requirements of implants and restorative materials, as well as the parameters for design and location of occlusal and interproximal contacts of implant restorations and their influence on outcomes.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• List the elements of an oral examination that are appropriate to planning for implant therapy.
• Describe and compare the types of information available from various radiographic techniques.
• Describe the relationships between implants, bone and soft tissue as they relate to stability and appearance.
• Describe the evidence-based evaluation of implant restorations in different locations in the mouth.

Edward R. Schlissel, DDS, MS
Dr. Schlissel received his dental degree from State University of New York (SUNY) at Buffalo, School of Dentistry in Buffalo, New York and his Materials Science degree from SUNY at Stony Brook, College of Engineering and Applied Sciences, in Stony Brook, New York. He is a Fellow of the Academy of General Dentistry and a member of the Academy of Osseointegration. Dr. Schlissel is Professor Emeritus of General Dentistry, School of Dental Medicine at SUNY at Stony Brook in New York. Dr. Schlissel currently maintains a private practice in Marietta, Georgia.

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PROGRAM DESCRIPTION:
In addition to the actual clinical procedures, diagnosis and treatment planning, as well as decision making, are essential elements for clinicians to consider in implant treatment. This process requires balancing patient preferences and finances with a number of clinical factors. The team approach to implant therapy is essential to ensure patient satisfaction and optimal outcomes. This program will illustrate some of the diagnostics needed prior to considering implant treatment. Treatment options will be illustrated and discussed through a variety of clinical case examples.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Identify patients who may be candidates for implant treatment.
• List the essential diagnostic steps required for implant treatment.
• Identify the physical and radiographic examination requirements associated with treatment planning for edentulous and partially edentulous patients.
• Understand the surgical and restorative components used in implant treatment.
• Develop treatment plan options that encompass patient preferences with successful functional and aesthetic outcomes.

Michael Sonick, DMD
Dr. Sonick is a graduate of Colgate University, the University of Connecticut School of Dental Medicine, and Emory University School of Dentistry in Periodontics. He currently is a Guest Lecturer at New York University School of Dentistry in their international dental program and a former Clinical Assistant Professor in the Department of Surgery at Yale University School of Medicine. Dr. Sonick is Founder and Director of the Fairfield County Dental Club and Sonick Seminars. He lectures, both domestically and internationally, and maintains a private practice, devoted to Periodontics, in Fairfield, CT.

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Phasing Dental Therapy to Provide Comprehensive Care

PROGRAM DESCRIPTION:
Some dental patients present with the singular goal of ending painful dental emergencies. Or they may be seeking limited solutions to cosmetic problems. However dentists have a responsibility to offer such patients a thorough plan for restoring their mouths to optimal health. This program will describe the use of a six-step protocol for phasing comprehensive dental therapy.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Identify the steps involved in a comprehensive treatment plan.
• Understand the important information that must be gathered in order to develop an ideal treatment plan for each patient.
• Effectively communicate to patients the need for comprehensive care.
• Demonstrate a working knowledge of the treatment phases necessary for optimizing outcomes.

Bruce Ouellette, DDS
Dr. Ouellette received his dental degree from the University of Maryland in Baltimore, MD. His professional affiliations include the American Dental Association, the American Society of Osseointegration, the International Congress of Oral Implantology, the Florida Academy of Cosmetic Dentistry, the Florida Dental Association, and the Palm Beach County Dental Association. Dr. Ouellette is on the faculty at the Dawson Academy For Advanced Dental Study in St. Petersburg, FL and is a clinical instructor for the Palm Beach State College. He maintains a private practice with a focus on occlusion, aesthetics, implant reconstruction, and TMJ in West Palm Beach, FL.

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PROGRAM DESCRIPTION:
This program will concentrate on treatment guidelines for achieving optimal aesthetics in implant dentistry. This treatment planning approach will emphasize case preparation with appropriate diagnostics, assessment, and development of custom treatment options on a case-by-case basis. Advanced technologies that focus specifically on tissue contouring and preservation will be highlighted.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Identify the treatment guidelines that are essential for obtaining optimal aesthetics in implant dentistry.
- Order the appropriate diagnostic tests including CT scans, diagnostic casts, and surgical guides needed for treatment planning and treating patients with dental implants.
- Provide input to dental laboratory technicians and/or design CAD/CAM abutments and frameworks used in treating dental implant patients in the 21st century.
- List the advantages of new technologies that are now available for treating patients with dental implants.

Suheil Boutros, DDS, MS
Dr. Boutros received his dental degree from University of Detroit, Mercy School of Dentistry, Detroit, MI, and a Masters of Science and Certificate in Periodontics from University of Minnesota, School of Dentistry, Minneapolis, MN. He is a Visiting Assistant Professor in the Department of Periodontics, University of Michigan, School of Dentistry, Ann Arbor, MI. Dr. Boutros has numerous publications in the peer-reviewed literature and is in private practice in Grand Blanc, Clarkston, and Dearborn Heights, MI with an emphasis on periodontics, implants, and regenerative therapy.
Program Description:
Medication-Related Osteonecrosis of the Jaw (MRONJ), first identified in 2002, adversely affects patients’ quality of life, producing significant morbidity. Cases continue to increase. It may affect patients undergoing intravenous cancer-related therapy or, more rarely, patients treated with oral or IV bisphosphonates for osteoporosis. This program will review current definitions of MRONJ, strategies for diagnosing, staging, and managing it, and the relevance to treatment planning dental implant therapy.

Program Objectives:
At the completion of the program, participants should be able to:
• Identify the medications associated with MRONJ, including the new antiresorptive and antiangiogenic therapies.
• Identify the risks of developing MRONJ.
• Diagnose MRONJ in patients with a history of exposure to this class of medications.
• Better understand MRONJ prevention measures and management strategies.

Federico Grande, DDS, MD
Dr. Grande received his Bachelor’s degree in Biology from the University of Miami in Miami, FL, his dental degree from Northwestern University Dental School, and his doctorate degree from the University of Miami School of Medicine. He completed his residency program in Oral and Maxillofacial Surgery at the University of Miami/Jackson Memorial Hospital in Miami, FL. Dr. Grande is a fellow of the American Association of Oral & Maxillofacial Surgeons, as well as a Fellow of American Dental Society of Anesthesiology. Dr. Grande maintains a private practice, with an emphasis on full scope Oral & Maxillofacial Surgery in Stuart, FL.

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PROGRAM DESCRIPTION:
This program will illustrate through clinical examples, long-term success and failures associated with prosthetic implant restorations. Original concepts in diagnosis, treatment planning, and therapies will be compared to modern day treatment concepts and principles, especially regarding advances in equipment and technologies. Evidenced-based treatment successes will be illustrated for fixed, removable, and single-unit implant restorations.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Discuss the benefits and limitations associated with fixed, removable, and single-unit implant restorations in terms of long-term success.
- Discuss the advances in short- and long-term success of implant restorations based on evaluating past performance of implant restorations.
- Identify clinical procedures and implant components required for predictable and successful prosthetic implant restorations.
- List the steps and procedures needed in various clinical situations relative to the most common implant prosthetic procedures performed.

Carl Drago, DDS, MS, FACP
Dr. Drago received his DDS from The Ohio State University College of Dentistry and MS from the University of Texas Graduate School of Biomedical Sciences at San Antonio. Dr. Drago is a Diplomate of the American Board of Prosthodontics, a Fellow in the American College of Prosthodontists and the American College of Dentists. He has more than 80 published articles and has written four textbooks on dental implants. Dr. Drago currently serves as the Clinical Science section editor for the Journal of Prosthodontics. He is an Adjunct Associate Professor in Graduate Prosthodontics at Marquette University School of Dentistry. He maintains a private practice limited to fixed, removable, and implant prosthodontics in Brookfield, Wisconsin.

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PROGRAM DESCRIPTION:
All members of the dental implant team play an important role in educating patients about available treatment options. Whether they are missing one tooth or are edentulous or partially edentulous, every patient deserves the right to hear his or her treatment options. Team members should be knowledgeable about the modality of treatment and treatment sequencing for implant therapy. This program will guide participants through the steps involved in identifying potential candidates for implant therapy, through educating patients about the benefits, and includes the communication skills necessary to confidently discuss implant therapy with patients.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Achieve a unified approach with education and verbal skills to create a more harmonious and effective team.
• Confidently discuss implant therapy with patients.
• Have the skills necessary to educate patients on implant therapy including discussing financing options.
• Feel confident that implant dentistry may solve patients’ dental problems and improve their smile and confidence.

Melissa Dravecky-Haggerty, RDH
Missy Haggerty is a Registered Dental Hygienist with experience in periodontics and implant dentistry. She graduated from Youngstown State University in Youngstown, Ohio with an Associate in Science degree in dental hygiene. During Missy’s years in clinical practice she has been involved in all aspects of implant dentistry from case presentation, to fee discussions and coordination of treatment between the surgeon, restorative dentist and laboratory. She was responsible for post-operative and maintenance care for the implant patient. Along with her clinical work, she has been involved in coordinating continuing education programs for the dental team at both local and National levels.

Missy has been a speaker for numerous organizations. She is a passionate advocate for implant dentistry and enjoys sharing her passion with the entire dental team.
Program Description:
The success of dental implant therapy is based upon achieving osseointegration, as well as, achieving optimal aesthetics, function, and harmony consistent with the existing dentition. A critical soft-tissue dimension is required for long-term success of the gingival margin, peri-implant health and restorative aesthetics. This presentation will describe how to improve comfort, enhance aesthetics, and reduce the number of visits with the restorative dentist by providing an immediate fixed provisional restoration. Indications of periodontal plastic surgery around dental implants will be presented, as well as, treatment planning considerations, timing, and different types of soft-tissue grafting including the use of a dermal allograft.

Program Objectives:
At the completion of the program, participants should be able to:

- Understand the importance of soft-tissue management around dental implant restorations.
- Discuss the timing of soft-tissue grafting around dental implants and recognize limitations and contraindications.
- Present different types of periodontal plastic surgery including the indication for Puros® Dermal Allograft.
- Identify soft-tissue problems around dental implants and how to avoid and manage complications.

Suheil Boutros, DDS, MS
Dr. Boutros received his dental degree from University of Detroit, Mercy School of Dentistry, Detroit, MI, and a Masters of Science and Certificate in Periodontics from University of Minnesota, School of Dentistry, Minneapolis, MN. He is a Visiting Assistant Professor in the Department of Periodontics, University of Michigan, School of Dentistry, Ann Arbor, MI. Dr. Boutros has numerous publications in the peer-reviewed literature and is in private practice in Grand Blanc, Clarkston, and Dearborn Heights, MI with an emphasis on periodontics, implants, and regenerative therapy.

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PROGRAM DESCRIPTION:
Vertical and horizontal ridge augmentation in the posterior and anterior jaws, has represented a significant challenge. The use of titanium mesh housing 100% allograft on a deficient alveolar ridge is proving to be a valid and predictable technique providing the biological parameters sufficient for pre-implant periodontal, hard- and soft-tissue support for a functional prosthesis. Clinical adversities will be discussed, including anatomical limitations, which are inherent in securing a rigid non-resorbable membrane in order to maintain the space for the success of allograft. Three dimensional printing of the bony and dental anatomy allows for visualization and tactile examination, without the presence of the patient, and has shown to be a significant advantage that ameliorates these clinical challenges.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Identify clinical situations where the use of titanium mesh to augment deficient alveolar ridges may be indicated.
• Describe ideal soft-tissue flap design for space maintenance.
• Review the challenges that may be encountered when augmenting the pre-maxilla.
• Understand how three dimensional printing may be advantageous for addressing the clinical challenges inherent to augmentation procedures.

Giuseppe Cicero, DDS
Dr. Giuseppe Cicero graduated from the University of Tor Vergata in Rome. He then spent his 4th year of dental school in the University of Valencia, Spain in the oral surgery and aesthetics department. Following graduation, Dr. Cicero practiced for 1 year as a general dentist in his family’s offices in Rome, Palermo and Marsala. He then graduated from the NYU Post-Graduate Periodontics Program. Dr. Cicero has done extensive research on dental pulp stem cells and bone regeneration and has developed novel clinical protocols for soft- and hard-tissue regeneration in the aesthetic zone introducing the application of 3D printing technology in Guided Bone Regeneration. He has lectured throughout the United States, Italy and Spain. Dr. Cicero has published articles on periodontal soft- and hard-tissue grafting and other subjects as well as a book on the topic of dental pulp stem cells.

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PROGRAM DESCRIPTION:
Alveolar bone deficiency, especially in the anterior maxillary area, can prevent ideal implant placement and jeopardize the aesthetic outcome. The anatomic configuration in the atrophic site creates acquired Angle Class III malocclusion influencing the surgical choices. In this program, clinical cases demonstrating moderate-to-severe maxillary atrophy are described, including a combination of sub-nasal, sinus elevation procedure, and cases where intraoral autogenous bone blocks are used for ridge augmentation prior to, or simultaneously with dental implant placement. The ridge augmentation procedures are combined with the creation of a scaffold mixed with platelet-rich-plasma (PRP) or bone-marrow aspirate (BMA) and covered with platelet-poor-plasma (PPP) as a biological membrane.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Have an understanding for how to treat the aesthetic zone in cases with moderate to severe maxillary atrophy.
- Understand when there is a need for combined therapy.
- Have the knowledge to use PPP as a biological membrane.
- Know how to perform clinical procedures with autogenous bone blocks.

Devorah Schwartz-Arad, DMD, PhD
Dr. Devorah Schwartz-Arad received her DMD and PhD degrees from the Faculty of Medicine, Hebrew University, Jerusalem, Israel. She is a specialist in Oral and Maxillofacial Surgery and was the senior lecturer in the Department of Oral and Maxillofacial Surgery at the Maurice and Gabriela Goldschleger School of Dental Medicine, Tel Aviv University. Dr. Schwartz-Arad is the author or co-author of invited reviews and has published numerous scientific articles and abstracts. She has presented more than 100 papers at scientific meetings and international academic conferences in Israel, Europe and the United-States. Dr. Schwartz-Arad is the owner and senior surgeon of a surgical center which focuses on maxillofacial surgery, advanced implantology, periodontology and endodontology in Ramat-Hasharon, Israel.
PROGRAM DESCRIPTION:
Prosthetically driven implant solutions in the anterior aesthetic zone require the presence of adequate bone. Understanding the effects of tooth loss and the subsequent bone response supports grafting of the extraction site for both delayed and immediate implant procedures. This program will present the biologic rationale for extraction-site grafting, along with a simple and predictable surgical procedure.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Describe the biologic principles that support socket grafting.
• Select the products for predictable socket grafting.
• Apply a simple surgical procedure for socket grafting.
• Assess why immediate versus delayed implant placement might be the treatment of choice for many clinical scenarios.

Robert del Castillo, DMD
Dr. del Castillo received his dental degree and his Certificate in Periodontics from Tufts University, School of Dental Medicine. He has served as an Adjunct Professor, Department of Periodontics at Tufts University School of Dental Medicine and a guest lecturer at Maryland University Dental School. Dr. del Castillo is affiliated with the American Academy of Periodontology. He maintains a private practice, limited to periodontics with a strong emphasis on implant and regenerative therapies, in Miami Lakes, Florida.

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PROGRAM DESCRIPTION:
This program will present the biologic events regarding socket sites post extraction of teeth. It will include a classification of socket and alveolar ridge defects, as well as decision making regarding the best time to graft, and the criteria for graft material selection; the biology of healing for different graft materials and the lengths of time required for healing. This program will be of particular interest for general practitioners regarding diagnosis and assessment of clinical conditions and whether or not the patient needs to be referred to a surgical specialist. The goal of comprehensive treatment will be to meet individual patient needs, with excellent sustainable esthetic and functional outcomes. Numerous clinical cases will be illustrated.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Identify potential complications associated with tooth extractions regarding osseous and soft-tissue anatomy.
- Describe the biologic principles associated with hard- and soft-tissue healing, with and without grafting.
- Describe the benefits and limitations of immediate versus delayed implant placement with simultaneous grafting and be able to implement the most appropriate treatment option.
- Have a working knowledge of the benefits and limitations of the various kinds of products commercially available for grafting procedures.

Robert del Castillo, DMD
Dr. del Castillo received his dental degree and his Certificate in Periodontics from Tufts University, School of Dental Medicine. He has served as an Adjunct Professor, Department of Periodontics at Tufts University School of Dental Medicine and a guest lecturer at Maryland University Dental School. Dr. del Castillo is affiliated with the American Academy of Periodontology. He maintains a private practice, limited to periodontics with a strong emphasis on implant and regenerative therapies, in Miami Lakes, Florida.

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An Approach to Complex Treatment with Sinus Augmentation and Simultaneous Implant Placement

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This program will give the participants the opportunity to learn about different surgical protocols and techniques for complex treatment including sinus augmentation with simultaneous implant placement. Various sinus augmentation techniques will be explored including lateral window and crestal techniques as well as the use of piezo surgery. Various grafting materials will be discussed as well as the use of short implants to avoid the need for sinus augmentation in some cases.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

• Be familiar with sinus anatomy and its clinical significance.
• Describe the Sinus Lateral Approach (SLA) and the Crestal Sinus Approach (SCA).
• Understand evidence-based reviews of biologics and grafting materials.
• Discuss the latest implant designs that enhance secondary stability and review the protocols for simultaneous versus delayed implant placement.
• Describe and demonstrate how to manage sinus elevation complications, including the use of short implants.

Suheil Boutros, DDS, MS
Dr. Boutros received his dental degree from University of Detroit, Mercy School of Dentistry, Detroit, MI, and a Masters of Science and Certificate in Periodontics from University of Minnesota, School of Dentistry, Minneapolis, MN. He is a Visiting Assistant Professor in the Department of Periodontics, University of Michigan, School of Dentistry, Ann Arbor, MI. Dr. Boutros has numerous publications in the peer-reviewed literature and is in private practice in Grand Blanc, Clarkston, and Dearborn Heights, MI with an emphasis on periodontics, implants, and regenerative therapy.

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PROGRAM DESCRIPTION:
This program will present an introduction to innovative, new treatment approaches that may accelerate orthodontic treatment, and prevent dehiscence defects and gingival recession caused by orthodontic arch expansion. The rationale for this technique will be discussed, as well as advantages and disadvantages, and a review of graft material selection for alveolar ridge augmentation, and the application of these materials and augmentation techniques prior to, and during, active orthodontic treatment.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Identify patients who may be suitable for this type of treatment.
• List graft materials suitable for alveolar ridge augmentation.
• Identify the rationale for this treatment.
• Discuss the advantages and disadvantages of these treatment protocols.

Rodrigo Neiva, DDS, MS
Dr. Neiva earned his Certificate and Master’s degree in Periodontics from the University of Michigan, School of Dentistry. He is a Diplomate of the American Board of Periodontology and of the International Congress of Oral Implantology. Dr. Neiva serves as the Director of the Graduate Program in Periodontics of the University of Florida – College of Dentistry. He is active in clinical research related to bone 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.

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PROGRAM DESCRIPTION:
Osteoporosis, oral cancer, and co-morbidities are on the rise. Patients with these conditions are most often denied dental implant therapy, due to lack of consensus on whether implant therapy can be done successfully. Trabecular Metal™ Technology has been used for more than two decades in orthopedic surgery, especially in patients with osteoporosis, cancer, and co-morbidities. The Trabecular Metal Dental Implant has been tested in animal models and human cases for more than five years. Clinical cases presenting the Trabecular Metal Dental Implant for enhanced secondary stability in poor bone quality, and in medically compromised patients will be presented, as well as revision and rapid recovery indications.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Identify patients at high risk for implant therapy based on medical conditions such as osteoporosis, oral cancer, and co-morbidities.
• Describe the implant placement protocol for rapid recovery from time of implant placement to the definitive restoration.
• Recognize implant complications and the indication for Trabecular Metal Implants used for Revision Therapy.
• Review the pertinent clinical studies supporting the efficacy of the Trabecular Metal Implant for revision, high risk, and rapid recovery therapies.

Suhel Boutros, DDS, MS
Dr. Boutros received his dental degree from University of Detroit, Mercy School of Dentistry, Detroit, MI, and a Masters of Science and Certificate in Periodontics from University of Minnesota, School of Dentistry, Minneapolis, MN. He is a Visiting Assistant Professor in the Department of Periodontics, University of Michigan, School of Dentistry, Ann Arbor, MI. Dr. Boutros has numerous publications in the peer-reviewed literature and is in private practice in Grand Blanc, Clarkston, and Dearborn Heights, MI with an emphasis on periodontics, implants, and regenerative therapy.

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PROGRAM DESCRIPTION:
In the sea of information available in implant dentistry, there is little time taken to explain, understand, and implement the proper interaction of a prosthetic with its counterpart. Occlusion in implant dentistry can be relatively simple but time must be taken to understand some basic principles. This program will help shed some light on how a well-managed occlusion can lead to greater long-term success, both biologically as well as prosthetically.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Understand craniomandibular mechanics.
- Identify a patient’s functional risk.
- List occlusal scheme categories and when to use them.
- Understand biological consequences of poor occlusal management.
- Understand prosthetic consequences of poor occlusal management.
- Implement techniques to ensure a well-designed occlusion.

Matt Milner, DMD, CDT
Dr. Milner received his dental degree from the University of Mississippi Medical Center (UMMC), and received an Advanced Education in General Dentistry (AAED) also from UMMC. He then attended Louisiana State University in New Orleans for his Prosthodontic training where he also obtained a CDT (Certified Dental Technician). Dr. Milner then worked in collaboration with another private practice prosthodontist for two years prior to making the transition to be a faculty member at UMMC. Currently, he is in charge of the preclinical dental implant curriculum as well as the dental implant clinical protocols for student clinics. He also treats private patients three days per week in a faculty practice.
PROGRAM DESCRIPTION:
All too often, implant-supported restorations, whether large or small, are designed and fabricated only to find upon insertion that there is inadequate space for the definitive restoration. This leads to complications such as structural insufficiency, poor contours, unsatisfactory aesthetics and issues with phonetics. The purpose of this presentation is to propose a systematic clinical approach which highlights the importance of pre-treatment three-dimensional restorative space assessment and its critical clinical relationship to the decision making process when choosing various implant prosthetic designs.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Understand why pre-treatment three-dimensional restorative space assessment should be mandatory for all proposed implant treatment.
- Learn that when there are reduced restorative dimensions, potential complications with definitive implant-supported prostheses may occur.
- Understand that when there are excessive restorative dimensions, potential complications with definitive implant-supported prostheses may occur.
- List the minimal space requirements for all types of implant-supported restorations, whether screw or cement-retained and for cases as small as a single-tooth implant-supported restoration, or as large as full arch treatment.

David H. Moed, DDS
Dr. Moed received his Doctorate of Dental Surgery from the State University of New York at Buffalo School of Dental Medicine and attained his Prosthodontic Specialty Certificate from New York University College of Dentistry in New York, New York. Dr. Moed is the past President of the Scarsdale Dental Society, a member of the American Dental Association, the Academy of Osseointegration, the Scarsdale Dental Society, New York State Dental Association, and the 9th District Dental Society. He is currently an on-call professor in the Prosthodontic Department at New York University College of Dentistry. Dr. Moed maintains a private practice in White Plains, New York.

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Controversies in Implant Prosthodontics: Everyday Treatment Planning Decisions

PROGRAM DESCRIPTION:
The implant dentist and patient still want the same things: restorations that look good, done as quickly and affordably as possible and remaining trouble free over the long term. This program will address the treatment plans that have allowed these positive outcomes over the last 30 years and contrast them with those that have had less optimum outcomes. Likewise implant strength, anti-rotational features, torque control, and occlusion unique to contemporary implant systems will be discussed. Particular emphasis will be given to practical applications of digital technology to make procedures quicker and easier. Clinically relevant research conclusions on early and immediate loading will be highlighted. Current controversies on tilted implant protocols, bioactive surface coatings, immediate provisional restorations, splinting, and screw vs. cement retention will be emphasized.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Describe the current controversies in implant dentistry and understand the published literature that addresses these controversies.
- Understand the forces acting on contemporary implant restorations and recognize the specific clinical problems that these forces may cause.
- Implement clinical strategies to help avoid biomechanical overload of implant restorations.
- Implement practical methods to assure safe, consistent and affordable implant esthetics, even with accelerated loading protocols.

Edwin A. McGlumphy, DDS, MS
Dr. McGlumphy received his dental degree, as well as Certificates in Advanced Prosthodontics from The Ohio State University, College of Dentistry, Columbus, Ohio, where he is currently the Professor Emeritus of Restorative and Prosthetic Dentistry. He is a referee for the Journal of Prosthetic Dentistry and has published many articles on implant dentistry. From 1988 until 2019, Dr. McGlumphy maintained an intramural faculty practice at The Ohio State University College of Dentistry, with an emphasis on fixed, removable, and implant prosthodontics. He is currently Clinical Director at the Columbus, Ohio ClearChoice Dental Implant Center with a focus on full-arch, immediate load implant-supported restorations.

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PROGRAM DESCRIPTION:
This program will present the fundamentals of fixed prosthodontics through complex implant cases. Three-dimensional radiography, proposed prosthesis form, residual intraoral anatomy, and extraoral facial form must all be considered to arrive at a comprehensive evaluation and implant treatment plan for a completely edentulous arch. Clinical case examples which may be well suited for a removable prosthesis will be presented. The maxillary edentulous arch includes additional considerations not applicable to the mandibular arch. This program will guide participants through recognition of critical issues that will lead to dependable outcomes.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Understand the application of fundamental fixed prosthodontics to complex implant applications.
• Learn the value of clinical data combined with radiographic data to plan a maxillary edentulous case.
• Decide which clinical presentations may be more easily addressed with a removable prosthesis.
• Assess the design considerations unique to a maxillary fixed complete denture compared to a mandibular denture.

Louis DiPede DMD, FACP
Dr. DiPede received a dental degree and Certificate in Advanced Education in General Dentistry from Rutgers School of Dental Medicine. After private general practice, he earned a Certificate in Prosthodontics at the University of California, Los Angeles, and then completed a subspecialty fellowship in Maxillofacial Prosthetics and Dental Oncology at Memorial Sloan-Kettering Cancer Center in New York. Dr. DiPede remained in Manhattan, in full-time private practice limited to Prosthodontics, before accepting a faculty appointment at Rutgers School of Dental Medicine where he directed multiple courses; served as Interim Chair of the Department of Restorative Dentistry as well as Vice Department Chair and Program Director of Postgraduate Prosthodontics. Dr. DiPede is a Board Certified Prosthodontist, Diplomate of the American Board of Prosthodontics, and holds Fellowship status in numerous professional organizations. He is currently the Associate Dean for Graduate Education and oversees the Faculty Practice at Temple University, Kornberg School of Dentistry.

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Delivering Implant Restorations: Cement vs. Screw Retained

PROGRAM DESCRIPTION:
This presentation will describe techniques for the delivery of screw-retained and cemented implant restorations, including benefits and limitations of each restoration type. Topics to be discussed include: methods of seating abutments and tightening screws including appropriate torque values; application, and methods for minimizing excess cement and the significance of failing to control cement around implant-supported restorations; and procedures for verifying and adjusting occlusal and interproximal contacts.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Describe the methods available to deliver implant screws into abutments with the appropriate torque value.
• List the torque values specified for typical screws for Zimmer Biomet restorative components.
• Describe techniques for identifying and correcting errors in interproximal and occlusal contact areas.
• List and describe choices for cements to lute restorations to abutments.
• Describe methods to safely remove excess cement from implant restorations.

Edward R. Schlissel, DDS, MS
Dr. Schlissel received a dental degree from State University of New York at Buffalo and a Materials Science degree from Stony Brook University, College of Engineering and Applied Sciences, in New York. He is a Fellow of the Academy of General Dentistry and a member of the Academy of Osseointegration. Dr. Schlissel is Professor Emeritus of General Dentistry, School of Dental Medicine at Stony Brook University, where he was Chair of the Department of General Dentistry and Director of the General Practice Residency Program. He currently maintains a private practice in Marietta, Georgia with an emphasis on adult restorative dentistry.

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PROGRAM DESCRIPTION:
This program will present a review of the literature regarding the use of cement and screw retention for single and multiple-unit implant restorations. Clinical reports regarding prosthetic and biologic complications associated with these types of restorations will be reviewed including incidences of screw loosening, screw fracture, peri-implantitis, occlusion, and crestal bone loss. The benefits and limitations of screw-retained, single- and multiple-unit implant restorations will be illustrated, along with techniques to assure optimal fit between abutments and implant restorative platforms. Screw mechanics are extremely important for long-term success of screw-retained restorations. Preload and torque will also be addressed. Guidelines will be presented for clinicians to use in determining when screw-retained restorations would be the treatment of choice.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

• Identify the benefits and limitations of screw-retained implant restorations in partially edentulous patients.
• Diagnose, treatment plan, and treat patients with screw-retained implant restorations.
• Identify the potential complications associated with using screw-retained implant restorations regarding fit, reproducibility, maintenance, and follow up.
• Use clinical torque controllers and apply the appropriated torque to abutment and retaining screws.

Bruce Ouellette, DDS
Dr. Ouellette received his dental degree from the University of Maryland in Baltimore, MD. His professional affiliations include the American Dental Association, the American Society of Osseointegration, the International Congress of Oral Implantology, the Florida Academy of Cosmetic Dentistry, the Florida Dental Association, and the Palm Beach County Dental Association. Dr. Ouellette is on the faculty at the Dawson Academy For Advanced Dental Study in St. Petersburg, FL and is a clinical instructor for the Palm Beach State College. He maintains a private practice with a focus on occlusion, aesthetics, implant reconstruction, and TMJ in West Palm Beach, FL.
PROGRAM DESCRIPTION:
This program will present a review of the literature regarding the use of cement and screw retention for single and multiple-unit implant restorations. Clinical reports regarding prosthetic and biologic complications associated with these types of restorations will be reviewed including incidences of screw loosening, screw fracture, peri-implant mucositis, peri-implantitis, occlusion, and crestal bone loss. The benefits and limitations of cement retained single- and multiple-implant restorations will be illustrated, along with techniques to assure optimal fit between abutments and implant restorative platforms. Screw mechanics are extremely important for long term success of single- and multiple-unit implant restorations. Preload and torque will also be addressed. Guidelines will be presented for clinicians to use in determining when cement-retained restorations would be the treatment of choice.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

• Identify the benefits and limitations of cement-retained implant restorations in partially edentulous patients.
• Diagnose, treatment plan, and treat patients with cement-retained implant restorations.
• Identify the potential complications associated with using cement-retained implant restorations regarding fit, cement selection and removal, maintenance, and follow up.
• Use clinical torque controllers and apply the appropriated torque to abutment and retaining screws.

Bruce Ouellette, DDS
Dr. Ouellette received his dental degree from the University of Maryland in Baltimore, MD. His professional affiliations include the American Dental Association, the American Society of Osseointegration, the International Congress of Oral Implantology, the Florida Academy of Cosmetic Dentistry, the Florida Dental Association, and the Palm Beach County Dental Association. Dr. Ouellette is on the faculty at the Dawson Academy For Advanced Dental Study in St. Petersburg, FL and is a clinical instructor for the Palm Beach State College. He maintains a private practice with a focus on occlusion, aesthetics, implant reconstruction, and TMJ in West Palm Beach, FL.

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PROGRAM DESCRIPTION:
This program will review the advantages and disadvantages of screw-retained versus cement-retained implant-supported restorations with an emphasis on cement-retained prostheses. Clinical reports regarding prosthetic and biologic potential complications associated with cement-retained restorations will be reviewed including incidences of peri-implant mucositis, peri-implantitis, occlusion, and crestal bone loss. The benefits and limitations of cement-retained single- and multiple-implant restorations will be illustrated, along with techniques to assure optimal fit between abutments and implant restorative platforms. Guidelines will be presented for proper techniques to employ for the fabrication and placement of cement-retained restorations.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

• Identify the benefits and limitations of cement-retained implant restorations in partially edentulous patients.
• Diagnose, treatment plan, and treat patients with cement-retained implant restorations.
• Identify the potential complications associated with using cement-retained implant restorations regarding fit, cement selection and removal, maintenance, and follow up.
• Describe various techniques used for proper cementation of implant-supported restorations.

Bruce Ouellette, DDS
Dr. Ouellette received his dental degree from the University of Maryland in Baltimore, MD. His professional affiliations include the American Dental Association, the American Society of Osseointegration, the International Congress of Oral Implantology, the Florida Academy of Cosmetic Dentistry, the Florida Dental Association, and the Palm Beach County Dental Association. Dr. Ouellette is on the faculty at the Dawson Academy For Advanced Dental Study in St. Petersburg, FL and is a clinical instructor for the Palm Beach State College. He maintains a private practice with a focus on occlusion, aesthetics, implant reconstruction, and TMJ in West Palm Beach, FL.

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PROGRAM DESCRIPTION:
Delivering aesthetic implant restorations on a predictable basis can be challenging. Immediate implant placement and immediate restoration have allowed clinicians to maximize aesthetic results for their patients while expediting their therapy. This program will review digital smile design, treatment planning considerations, implant selection, implant placement, and immediate restoration of dental implants in the aesthetic zone.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Understand the proper placement of implants into extraction sockets.
- Describe how to fabricate provisional restorations.
- Understand the relationship between digital smile design and proper implant placement.
- Understand how to use CBCT scans in the planning process.

Harold Baumgarten, DMD
Dr. Baumgarten received his dental degree, as well as Certificates in Periodontal Prosthetics and Periodontics, from the University of Pennsylvania, School of Dental Medicine. He is an active member of several professional associations and is on the Editorial Board of the Compendium of Continuing Education in Dentistry. Dr. Baumgarten is a Clinical Professor with the Department of Periodontics at the University of Pennsylvania, and Clinical Director of Periodontal Prosthesis. He maintains a private practice focused on implant and reconstructive therapy in Philadelphia, Pennsylvania.

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PROGRAM DESCRIPTION:
Delivering aesthetic immediate and long-term implant restorations on a consistently predictable basis can be challenging. As single and two-stage protocols have given way to immediate implant placement and immediate restoration, biomechanical requirements and aesthetic demands have evolved. This program will review changes in treatment planning, implant site preparation, and immediate restoration of implants in the aesthetic zone.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Implement new techniques for selecting cases and using CT scans in treatment planning.
- Understand the biomechanical and aesthetic considerations for achieving high primary stability.
- Understand the proper placement of implants in extraction sockets and the rationale for grafting the gap between the implant and buccal socket wall.
- Describe how to design and fabricate provisional restorations.

Harold Baumgarten, DMD
Dr. Baumgarten received his dental degree, as well as Certificates in Periodontal Prosthetics and Periodontics, from the University of Pennsylvania, School of Dental Medicine. He is an active member of several professional associations and is on the Editorial Board of the Compendium of Continuing Education in Dentistry. Dr. Baumgarten is a Clinical Professor with the Department of Periodontics at the University of Pennsylvania, and Clinical Director of Periodontal Prosthesis. He maintains a private practice focused on implant and reconstructive therapy in Philadelphia, Pennsylvania.

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PROGRAM DESCRIPTION:
This program will provide an overview of basic to intermediate implant restorative options; immediate restorative protocols will also be illustrated; it has been designed for clinicians to comfortably and predictably provide patients with implant restorative treatment options in the anterior aesthetic zone. The program will include treatment planning and design/fabrication of surgical guides. This program will also identify areas where custom implant impression copings should be considered for use for anterior implant restorations where the copings are used to capture soft-tissue emergence profiles of the peri-implant soft tissues.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Identify patients who are candidates for implant supported restorations in the anterior aesthetic zone.
- Understand prosthetic space requirements for implant restorations and integrate them into the surgical and restorative treatment planning process.
- Improve understanding and insight regarding anterior implant restorative options.
- Identify, order and use various implant impression components and the requisite techniques associated with these procedures.
- Describe the benefits and limitations of various types of implant provisional restorations.

Vahik Paul Meserkhani, DDS
Dr. Meserkhani has lectured extensively on the subject of prosthodontics and implant dentistry both nationally and internationally. He received his implant surgical fellowship from Loma Linda University in 2003 followed by a Certificate in Prosthodontics and MSD degree in Prosthodontics specialty. He has numerous publications about prosthodontics and implant related subjects as well as a recent study at Loma Linda University about the accuracy of stereolithographic models. He is a Diplomate of the American Board of Oral Implantology, a Fellow of the American Academy of Implant Dentistry, and is Board eligible by the American College of Prosthodontics. He maintains a private practice limited to prosthodontics and implant dentistry in Glendale, California.

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PROGRAM DESCRIPTION:
This program will concentrate on treatment guidelines for the achievement of aesthetics in implant dentistry. The top-down treatment planning approach to case preparation will be emphasized and advanced technologies focused on tissue contouring and preservation will be highlighted. This approach to treatment planning affords clinicians with the opportunity to deliver optimal aesthetic outcomes to their patients in oral rehabilitation.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Learn surgical techniques for immediate implant placement, immediate loading, and delayed loading protocols with and without simultaneous regeneration.
- Have a working knowledge of the clinical benefits of implant designs, implant surface characteristics, and new technologies to optimize outcomes.
- Learn treatment guidelines for obtaining aesthetics in implant therapy.
- Comprehend the value of using a top-down treatment planning approach to case preparation.
- Learn about advanced technologies for developing and sustaining aesthetic restorations supported by dental implants.

Robert del Castillo, DMD
Dr. del Castillo received his dental degree and his Certificate in Periodontics from Tufts University, School of Dental Medicine. He has served as an Adjunct Professor, Department of Periodontics at Tufts University School of Dental Medicine and a guest lecturer at Maryland University Dental School. Dr. del Castillo is affiliated with the American Academy of Periodontology. He maintains a private practice, limited to periodontics with a strong emphasis on implant and regenerative therapies, in Miami Lakes, Florida.

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Avoiding Complications in the Anterior Aesthetic Zone

PROGRAM DESCRIPTION:
Achieving optimal, predictable results with implant restorations may be one of the most challenging goals in implant dentistry. This program will present several challenging clinical scenarios involving missing teeth, as well as the surrounding hard and soft tissues in the aesthetic zone. Preoperative planning will be emphasized as a means of avoiding or minimizing surgical and/or restorative complications. Critical diagnostic steps will be discussed, including fabrication of surgical guides to optimize implant placement. The literature is replete with clinical guidelines relative to provisional restorations being critical in obtaining optimal results; provisional restorations are also important regarding abutment selection and design features, as well as establishing contours of the definitive restorations. Clinical situations will be illustrated where implant placement and/or tissue contours were not ideal and additional surgical interventions and prosthodontic modifications were needed to resolve the complications.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Identify patients with potential clinical challenges regarding implant-supported restorations in the anterior aesthetic zone.
- Understand established clinical guidelines that manage complex treatment in the aesthetic zone.
- Understand how surgical procedures may improve treatment results in the aesthetic zone.
- Have a working knowledge of developing optimal soft-tissue contours with fabrication of custom provisional restorations.
- Identify the role provisional restorations play in developing optimal design features for definitive restorations.
- Make appropriate decisions regarding abutment and material selections in the aesthetic zone.

Vahik Paul Meserkhani, DDS
Dr. Meserkhani has lectured extensively on the subject of prosthodontics and implant dentistry both nationally and internationally. He received his implant surgical fellowship from Loma Linda University in 2003 followed by a Certificate in Prosthodontics and MSD degree in Prosthodontics specialty. He has numerous publications about prosthodontics and implant related subjects as well as a recent study at Loma Linda University about the accuracy of stereolithographic models. He is a Diplomate of the American Board of Oral Implantology, a Fellow of the American Academy of Implant Dentistry, and is Board eligible by the American College of Prosthodontics. He maintains a private practice limited to prosthodontics and implant dentistry in Glendale, California.

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Clinical Guidelines for Single-Unit Molar Implant Placement and Restoration

ON-DEMAND WEBCAST

PROGRAM DESCRIPTION:
This program will present clinical guidelines for the replacement of hopeless single-unit posterior teeth with implant-supported restorations. To meet today’s patient demands for immediate replacement of hopeless teeth, the treatment sequencing for extraction, immediate implant placement vs. socket preservation and delayed placement, will be highlighted. A simplified impression protocol for fabrication of patient-specific abutments will be discussed, as well as the benefits of using an intraoral digital scanner for data capture. Design parameters for CAD/CAM abutments that support the soft-tissue contours, will be presented.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Discuss the current guidelines for socket assessment in molar extraction for immediate implant placement vs. socket preservation and delayed placement.
• Understand how implant design can affect immediate placement to obtain predictable stable long-term success.
• Understand the team approach for 3D planning through CAD/CAM restoration, between the surgeon, the restoring dentist, and the laboratory technician.
• Integrate surgical and restorative aspects of implant therapy through digital impressions and CAD/CAM restoration.
• Determine when to use CAD/CAM abutments with screw-retained and cement-retained restorations.

Suheil Boutros, DDS, MS
Dr. Boutros received his dental degree from University of Detroit, Mercy School of Dentistry, Detroit, MI, and a Masters of Science and Certificate in Periodontics from University of Minnesota, School of Dentistry, Minneapolis, MN. He is a Visiting Assistant Professor in the Department of Periodontics, University of Michigan, School of Dentistry, Ann Arbor, MI. Dr. Boutros has numerous publications in the peer-reviewed literature and is in private practice in Grand Blanc, Clarkston, and Dearborn Heights, MI with an emphasis on periodontics, implants, and regenerative therapy.

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PROGRAM DESCRIPTION:
The evolution of digital dentistry has provided dental professions with a new standard in delivering restorations with both aesthetic and functional outcomes. The combination of CAD/CAM technology and intraoral scanners allows restorative clinicians in collaboration with the dental laboratory to design and fabricate patient-specific restorations for optimal outcomes. This program will review today’s digital technologies; provide an overview of the benefits and limitations of intraoral scanners; and the design principles used in abutment design and restoration fabrication to optimize aesthetics.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Comprehend the basic principles for the clinical use of intraoral scanners.
• Describe the accuracy and precision of intraoral scanners and how it applies to clinical dentistry.
• Have a working knowledge of use of an intraoral scanner for implant impressions.
• Describe the digital workflow for fabrication of an implant restoration.

Sompop Bencharit, DDS, MS, PhD, FACP
Dr. Bencharit is an Associate Professor and the Director of Digital Dentistry Technologies in the Department of General Practice at the Virginia Commonwealth University (VCU) School of Dentistry; and the Department of Biomedical Engineering at the VCU College of Engineering. He received his DDS and Diploma in Prosthodontics from Chulalongkorn University, Bangkok, Thailand. Dr. Bencharit earned a Certificate and Master Degree in Prosthodontics, a PhD in Oral Biology, and a Certificate in Clinical Research from the University of North Carolina at Chapel Hill. He is a Diplomate of the American Board of Prosthodontics and a Fellow of the American College of Prosthodontists. Dr. Bencharit established the Virginian Commonwealth University Center of Digital Dentistry and the pre-doctoral CAD/CAM Dentistry Curriculum and Clinic. He limits his clinical practice to digital dentistry, dental implants, prosthodontics, and esthetic dentistry. Dr. Bencharit published more than 60 peer-review articles and 100 abstracts. He lectures nationally and internationally on various topics from 3D printing & guided implant surgery to digital dentistry and more.
Optimization of Restorative Workflows through Digital Innovation

ON-DEMAND WEBCAST

PROGRAM DESCRIPTION:
This program designed for the dental team, will explore current digital technologies and their potential for enhancing dental implant treatment. Information needed to design a custom implant restoration will be discussed, followed by impression methods, including a simplified impression protocol for fabrication of patient-specific implant-supported restorations. The benefits of using an intraoral digital scanner for data capture will be reviewed, as well as, the benefits for patients and the practice. Design principles for CAD/CAM abutments and aesthetic restorations will be presented.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

• Develop a strategy for using new digital technologies in their practices to achieve more predictable and efficient patient outcomes.
• Understand a simplified impression protocol for fabrication of implant-supported restorations with an intraoral scanner or traditional impression procedures.
• Comprehend several new digital technologies available for fabricating patient-specific implant-supported restorations.
• Understand CAD/CAM abutment design using the BellaTek® Encode® Impression System.

Sompop Bencharit, DDS, MS, PhD, FACP
Dr. Bencharit is an Associate Professor and the Director of Digital Dentistry Technologies in the Department of General Practice at the Virginia Commonwealth University (VCU) School of Dentistry; and the Department of Biomedical Engineering at the VCU College of Engineering. He received his DDS and Diploma in Prosthodontics from Chulalongkorn University, Bangkok, Thailand. Dr. Bencharit earned a Certificate and Master Degree in Prosthodontics, a PhD in Oral Biology, and a Certificate in Clinical Research from the University of North Carolina at Chapel Hill. He is a Diplomate of the American Board of Prosthodontics and a Fellow of the American College of Prosthodontists. Dr. Bencharit established the Virginian Commonwealth University Center of Digital Dentistry and the pre-doctoral CAD/CAM Dentistry Curriculum and Clinic. He limits his clinical practice to digital dentistry, dental implants, prosthetics, and esthetic dentistry. Dr. Bencharit published more than 60 peer-review articles and 100 abstracts. He lectures nationally and internationally on various topics from 3D printing and guided implant surgery, to digital dentistry, and more.

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Prostodontics for the 21st Century

ON-DEMAND WEBCAST

PROGRAM DESCRIPTION:
Digital technologies have had a dramatic impact on all disciplines of dentistry, particularly in the fields of prosthodontics and surgery. The evolution of digital technologies has provided dental professionals with the possibility of following a completely digital workflow beginning from diagnostic treatment planning to prosthesis fabrication. Clinical data acquisition using intraoral scanners has bridged the digital gap between the clinical practice and the dental laboratory. While these latest digital tools offer new and different workflows compared to conventional techniques, it is imperative that clinical efficiency and restoration accuracy not be compromised. This presentation will provide a practical and pragmatic overview of the digital tools and technologies used in a modern prosthodontic practice. The use of intraoral scanners and workflows required for simple reconstructions to comprehensive full arch rehabilitations in both conventional and implant-based applications will be presented. Some of the challenges, limitations, and inefficiencies encountered utilizing new technologies will be described.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Demonstrate the utilization of digital technologies in implant surgery and prosthodontics.
- Demonstrate the use of intraoral scanners with conventional crown and bridgework and for implant-supported restorations.
- Review the accuracy, benefits, and limitations of intraoral scanners.
- Provide an overview of the digital workflow required in comprehensive fixed reconstructions.

Effrat Habsha DDS, Dip. Prosth, MSc, FRCD(C)
Dr. Effrat Habsha received a DDS degree from the University of Toronto then completed a one-year General Practice Residency at Mount Sinai Hospital. She received a Master of Science degree in Prosthodontics from the University of Toronto. Dr. Habsha is a Fellow of the Royal College of Dentists of Canada (RCDC) and is an examiner and Section Head for the Oral Examination in Prosthodontics for the RCDC. She is an Adjunct Assistant Professor at the Department of Dentistry, Eastman Institute for Oral Health at the University of Rochester Medical Center. Dr. Habsha is an Associate Fellow of the Academy of Prosthodontics and a Fellow of The Pierre Fauchard Academy. She lectures both nationally and internationally on various prostodontic topics and maintains a private practice limited to Prosthodontics and Implant Dentistry in Toronto.

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PROGRAM DESCRIPTION:
This program will focus on new techniques and digital technologies for the fabrication of implant-supported restorations, including data capture with the use of a coded healing abutment for fabrication of CAD/CAM abutments. Benefits and limitations of intraoral scanners currently available will be discussed, along with advanced design principles used in CAD/CAM abutment design. This program is indicated for all members of the implant team and will emphasize the requisite communication desired amongst the surgeon, restorative dentist, and laboratory technician to ensure optimal patient outcomes.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Understand the new digital technologies available for fabricating implant abutments and restorations.
- Describe advanced techniques for custom abutment design.
- Have a working knowledge of capturing traditional impressions, as well as, the benefits and limitations of intraoral scanning (IOS) with the BellaTek® Encode® Impression System.
- Communicate effectively with the dental implant team to ensure optimal patient outcomes.

Tony Prestipino, CDT
Mr. Prestipino completed the Dental Technology program at Northern Virginia Community College, received additional specialized training from the Pankey and Dawson Institutes. He is a Certified Dental Technician by the National Board for Certification, and a member of the National Association for Dental Laboratories, the Academy of Osseointegration and a Proctor for the National Board for Certification. He provides student and staff support at the University of Maryland. Mr. Prestipino is the President of Artifex Dental Laboratory located in Washington, DC.
PROGRAM DESCRIPTION:
This program will cover several aspects of implant dentistry to guide dentists in optimizing implant therapy for partially edentulous patients. Participants will gain the general understanding necessary for development of a treatment plan for multiple edentulous cases. Special considerations will be discussed as to how to choose the ideal implant and optimal components for a given case while ensuring a stable and aesthetic result. A coded abutment impression system and numerous options associated with its use will also be covered.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Understand treatment options and treatment planning considerations.
• Choose the best implant and the best components for each clinical case.
• Understand the advantages and limitations of different implant solutions.
• Understand how to optimize treatments with the BellaTek® Encode® Impression System
• Understand how digital solutions could be used in implant dentistry.

Pierre-Luc Michaud DMD, MSc, FRCD(C)
Dr. Michaud is an Assistant Professor of Prosthodontics at the Dalhousie University Faculty of Dentistry in Halifax, Nova Scotia, Canada. He received his dental degree from Université de Montréal. He then joined the University of Toronto for a GPR program, and later completed a Residency in Prosthodontics at Université de Montréal. Dr. Michaud is the course director for the Prosthodontics 4 course at the Dalhousie Faculty of Dentistry. He maintains a private practice in the intramural Faculty practice, where he covers all aspects of prosthodontics. He is also a fellow and examiner of the Royal College of Dentists of Canada in Prosthodontics and he serves as a member of the Journal of Prosthetic Dentistry’s Editorial Review Board.

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PROGRAM DESCRIPTION:
The introduction of intraoral digital scanners for use with coded healing abutments has eliminated the
need for traditional impressions. Instead, the scanner data can be used to create a three-dimensional
digital model of a coded healing abutment in the patient’s mouth. Abutment design can be greatly
enhanced, and the interval between impression making and delivery of the computer-milled titanium
definitive abutment/restoration can be significantly compressed. This program will review the steps
involved in using intraoral scanning technology to create definitive, CAD/CAM patient-specific implant-
supported restorations. Benefits and limitations of scanners currently available will be discussed, along
with design principles used in CAD/CAM abutment design.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Describe the critical differences between analog-based and fully digital-based implant dentistry.
• Describe the procedures involved in taking a digital implant impression with the BellaTek® Encode® Impression System.
• Have a working knowledge of the workflows necessary to create an implant-supported restoration from a digital impression
and the associated time savings.
• Provide treatment based upon the patient’s needs while reducing chairtime and achieving aesthetic outcomes.
• List the benefits of utilizing a fully digital workflow to create implant-supported restorations.

David H. Moed, DDS
Dr. Moed received his Doctorate of Dental Surgery from the State University of New York at Buffalo School of
Dental Medicine and attained his Prosthodontic Specialty Certificate from New York University College of
Dentistry in New York, New York. Dr. Moed is the past President of the Scarsdale Dental Society, a member of
the American Dental Association, the Academy of Osseointegration, the Scarsdale Dental Society, New York
State Dental Association, and the 9th District Dental Society. He is currently an on-call professor in the
Prosthodontic Department at New York University College of Dentistry. Dr. Moed maintains a private practice in
White Plains, New York.

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The evolution of digital dentistry has provided dental professionals with new processes in fabricating and delivering restorations for both aesthetic and functional outcomes. The combination of CAD/CAM technology and intraoral scanners allows restorative clinicians, in collaboration with dental laboratory technicians and designers, to design and fabricate patient-specific restorations for long-term aesthetics and function. This program will review today’s digital technologies; provide the clinical rationale for integrating digital workflows into dental practice; provide an overview of the benefits and limitations of intraoral scanners; and illustrate design principles used in CAD/CAM abutment design.

At the completion of the program, participants should be able to:

- Understand optimal workflows in order to incorporate digital dentistry in the dental practice.
- Recognize the value of utilizing advanced technologies for developing and sustaining aesthetic restorations supported by dental implants.
- Comprehend the benefits and limitations of intraoral scanners.
- Understand the design principles used in CAD/CAM abutment design.

Carl Drago, DDS, MS, FACP

Dr. Drago received his DDS from The Ohio State University College of Dentistry and MS from the University of Texas Graduate School of Biomedical Sciences at San Antonio. Dr. Drago is a Diplomate of the American Board of Prosthodontics, a Fellow in the American College of Prosthodontists and the American College of Dentists. He has more than 89 published articles and has written four textbooks on dental implants. Dr. Drago currently serves as the Clinical Science section editor for the Journal of Prosthodontics. He is an Adjunct Associate Professor in Graduate Prosthodontics at Marquette University School of Dentistry. He maintains a private practice limited to fixed, removable, and implant prosthodontics in Brookfield, Wisconsin.
Implementation of Intraoral Scanning and a Coded Healing Abutment Impression System

ON-DEMAND WEBCAST

PROGRAM DESCRIPTION:
This program will explore current digital technologies and their potential for enhancing dental implant treatment. A simplified impression protocol for fabrication of patient-specific implant-supported restorations will be discussed, as well as the benefits of using an intraoral digital scanner for data capture. Principles for designing CAD/CAM abutments and aesthetic restorations will be presented.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Develop a strategy for using new digital technologies in their practices to achieve more predictable patient outcomes.
- Understand the major aspects of CAD/CAM abutment fabrication, including design principles, clinical procedures, and laboratory procedures.
- Describe how to impress or scan coded healing abutments accurately.
- Explain the benefits of various intraoral scanning systems.

Wael Garine, DDS
Dr. Garine graduated from Cairo University School of Dentistry in Egypt. Dr. Garine joined the Dental School at the University of Western Ontario, in London, Ontario, where he earned his dental degree. He then joined the Eastman Dental Center at the University of Rochester in New York where he specialized in the area of Prosthodontics. Dr. Garine’s research in implant dentistry has received several awards and was published in the International Journal of Oral and Maxillofacial Implants. Dr. Garine is the Director of the Seaside Study Club and a clinical assistant professor at the University of Rochester in Rochester, NY. He maintains a private practice limited to prosthodontics and implant dentistry in Jupiter, Florida.

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PROGRAM DESCRIPTION:
This program has been designed for the dental team and will focus on digital technologies for the fabrication of CAD/CAM abutments for implant-supported restorations with the BellaTek® Encode® Impression System. The benefits and limitations for this system will be explained in terms of patient comfort and efficiencies for patients, staff members, and dental laboratory technicians. This technology is considered to have a “wow” factor for the practices that have adopted it.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Understand a simplified impression protocol for fabrication of implant-supported restorations with an intraoral scanner or traditional impression procedures.
- Comprehend several new digital technologies available for fabricating patient specific implant-supported restorations.
- Understand CAD/CAM abutment design using the BellaTek Encode Impression System.
- Understand how to incorporate new digital workflows into everyday clinical practice.

Alexander Wünsche, CDT
Mr. Alexander Wünsche obtained his dental technician certification in 1999 from Otto Umfried Schule, Nürtingen, Germany. He founded a boutique-style laboratory in Ravensburg, Germany. In 2009 he joined a full-service Dental Laboratory in Miami, FL, where he is currently the owner. Mr. Wünsche specializes in aesthetic and cosmetic restorations, complex implant reconstruction, and digital workflows. Recent developments include a digital workflow for the model-free production of immediate provisional restorations for single-tooth implants in the aesthetic zone and the Miami Secondary Bridge (MSB) Technique for overdenture restorations. He has several publications in dental and dental laboratory journals.

A Simplified Impression Protocol for Fabrication of Patient-Specific CAD/CAM Abutments
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PROGRAM DESCRIPTION:
This program for the dental laboratory technician will focus on new digital technologies for the fabrication of patient-specific CAD/CAM abutments for implant-supported restorations with the BellaTek® Encode® Impression System. The benefits of becoming an Encode Empowered Laboratory will be explored including scan and design control, reduced turnaround times, access to proprietary software for abutment design, abutment material flexibility, and cost effective milling options. The communication between the restorative dentist and commercial dental laboratory will be discussed, including the workflow starting from data capture with an intraoral scanner, through abutment design and fabrication of the restoration.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Learn about new digital technologies available for fabricating patient specific implant-supported restorations.
• Learn about CAD/CAM abutment design using the BellaTek Encode Impression System.
• Understand how to incorporate new workflows for digital technologies into the dental laboratory.
• Understand the benefits of being an Encode Empowered Laboratory for design control and efficient workflows.

Alexander Wünsche, CDT
Mr. Alexander Wünsche obtained his dental technician certification in 1999 from Otto Umfried Schule, Nürtingen, Germany. He founded a boutique-style laboratory in Ravensburg, Germany. In 2009 he joined a full-service Dental Laboratory in Miami, FL, where he is currently the owner. Mr. Wünsche specializes in aesthetic and cosmetic restorations, complex implant reconstruction, and digital workflows. Recent developments include a digital workflow for the model-free production of immediate provisional restorations for single-tooth implants in the aesthetic zone and the Miami Secondary Bridge (MSB) Technique for overdenture restorations. He has several publications in dental and dental laboratory journals.

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PROGRAM DESCRIPTION:
The surgical success of dental implants has become quite predictable. Strategies and techniques exist today that has changed older paradigms of implant therapy, and allow implant treatment to be accelerated. These include the immediate placement of dental implants at the time of extraction, as well as the immediate provisional restoration of implants at the time of placement. This presentation will focus on the parameters which must be considered during the diagnostic phase to assure successful and precise implant placement at these different phases of treatment. Included will be a clinical and research-based review of the indications and contraindications for immediate implant placement, and immediate loading of dental implants placed into “healed” extraction sites.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Understand the indications and contraindications for immediate versus delayed implant placement.
- Be knowledgeable as to the steps in pre-surgical planning.
- Understand the sequencing of treatment for full arch therapy.
- Know when to perform bone and/or gingival augmentation.

Michael Sonick, DDS
Dr. Sonick is a graduate of Colgate University, the University of Connecticut School of Dental Medicine, and Emory University School of Dentistry in Periodontics. He currently is a Guest Lecturer at New York University School of Dentistry in their international dental program and a former Clinical Assistant Professor in the Department of Surgery at Yale University School of Medicine. Dr. Sonick is Founder and Director of the Fairfield County Dental Club. He lectures, both domestically and internationally, and maintains a private practice, devoted to Periodontics, in Fairfield, CT.

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PROGRAM DESCRIPTION:
This program will illustrate and explain the four main implant loading protocols available to clinicians today. Historical perspectives will be discussed and illustrated with clinical images and literature citations. The scientific rationale will be highlighted that resulted in early loading, immediate full-arch occlusal loading and immediate non-occlusal loading protocols for single-unit implant restorations. Clinical examples will be shown illustrating the benefits/limitations associated with each protocol.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Define unloading healing, early loading, immediate full-arch occlusal loading and immediate non-occlusal loading for single- and two-unit implant restorations.
- Identify clinical indications and contraindications for each specific loading protocol.
- Identify the logistics associated with each loading protocol including laboratory and surgical collaboration, appointment sequencing, and identifying the required implant components to have on hand for each protocol and procedure.
- Prescribe specific diets, oral hygiene and maintenance procedures for each loading protocol.

Carl Drago, DDS, MS, FACP
Dr. Drago received his DDS from The Ohio State University College of Dentistry and MS from the University of Texas Graduate School of Biomedical Sciences at San Antonio. Dr. Drago is a Diplomate of the American Board of Prosthodontics, a Fellow in the American College of Prosthodontists and the American College of Dentists. He has more than 89 published articles and has written four textbooks on dental implants. Dr. Drago currently serves as the Clinical Science section editor for the Journal of Prosthodontics. He is an Adjunct Associate Professor in Graduate Prosthodontics at Marquette University School of Dentistry. He maintains a private practice limited to fixed, removable, and implant prosthodontics in Brookfield, Wisconsin.

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PROGRAM DESCRIPTION:
Current trends in implant dentistry lead to the search for aesthetics, minimal-invasiveness, and short treatment times. This program will present new techniques that allow the clinician to achieve these three objectives with simple, predictable procedures while maintaining a success rate equal to a standard-staged approach. Complex cases previously treated with more invasive procedures, and long treatment times can be solved today with simple, predictable, straightforward techniques. New protocols, practical tips, and preliminary data from clinical studies will be presented and analyzed with the aim to give to the participants’ the knowledge and tools to successfully implement in their daily practice.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Properly diagnose and consider treatment plans for complex implant therapy cases.
• Describe new immediate loading protocols for shortening treatment times.
• Identify patients who are candidates for implant therapy.
• Select the most appropriate implant design to meet the needs of each individual implant site.
• Describe less invasive, straightforward techniques for implant therapy.

Francesco Amato, DDS, PhD
Dr. Francesco Amato received a PhD in Biopharmaceutical Microbiology and a Degree in Medicine from the University of Catania, Italy. He participated in the Continuing Education Program in Implant Dentistry, the Advanced Program for International Dentists in Implant Dentistry and the Advanced Program for International Dentists in Periodontics of the New York University College of Dentistry. He also did a Residency in the Oral Surgery Department at the University of Catania, Italy. Dr. Amato has numerous publications in the area of aesthetics. He is in private practice specializing in Oral Surgery, Periodontology, and Implantology in Catania, Italy.

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PROGRAM DESCRIPTION:
This program will provide a literature-based, systematic approach aimed at helping clinicians with treatment planning and the decision-making process for patients who would benefit from implant-supported overdenture therapy. The discussion will include an overview of the key clinical steps necessary for providing this care.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Understand the literature pertinent to planning treatment of edentulous and partially edentulous patients.
- Identify the indications and contraindications for providing treatment with removable implant prosthodontics.
- Understand that patient preferences may be different from patient needs, clinical factors, and finances, and be able to explain the economic differences between fixed and removable prostheses.
- Understand how to modify a mandibular complete denture for use as an implant-retained overdenture.

Edward R. Schlissel, DDS, MS
Dr. Schlissel received his dental degree from State University of New York (SUNY) at Buffalo, School of Dentistry in Buffalo, New York and his Materials Science degree from SUNY at Stony Brook, College of Engineering and Applied Sciences, in Stony Brook, New York. He is a Fellow of the Academy of General Dentistry and a member of the Academy of Osseointegration. Dr. Schlissel is Professor Emeritus of General Dentistry, School of Dental Medicine at SUNY at Stony Brook in New York. Dr. Schlissel currently maintains a private practice in Marietta, Georgia.

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PROGRAM DESCRIPTION:
Many edentulous patients can now undergo outpatient surgical and prosthetic procedures and return to nearly normal masticatory function in as little as one day. This program will review the principles associated with immediate occlusal loading and illustrate an accelerated prosthodontic treatment protocol used for treatment of edentulous and partially edentulous patients with interim and definitive prostheses.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

• List the anatomical and emotional characteristics of patients with debilitated dentition and edentulous jaws.
• Arrange for appropriate diagnostic tests and determine the tooth positions required for full-arch immediate acrylic, screw-retained prostheses.
• Discuss the above parameters with surgeons and dental laboratory technicians.
• Understand the clinical steps associated with the surgical and prosthetic aspects of immediated full-arch occlusal loading.

Carl Drago, DDS, MS, FACP
Dr. Drago received his DDS from The Ohio State University College of Dentistry and MS from the University of Texas Graduate School of Biomedical Sciences at San Antonio. Dr. Drago is a Diplomate of the American Board of Prosthodontics, a Fellow in the American College of Prosthodontists and the American College of Dentists. He has more than 89 published articles and has written four textbooks on dental implants. Dr. Drago currently serves as the Clinical Science section editor for the Journal of Prosthodontics. He is an Adjunct Associate Professor in Graduate Prosthodontics at Marquette University School of Dentistry. He maintains a private practice limited to fixed, removable, and implant prosthetics in Brookfield, Wisconsin.

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PROGRAM DESCRIPTION:
Patients with debilitated dentition often seek rehabilitation to quickly regain their confidence and quality of life. Immediate full-arch restoration can be an excellent solution for meeting patient demands and expectations. This program will provide an overview of this treatment modality, including a step-by-step, practical approach to delivering a provisional full-arch prosthesis on the day of implant placement, as well as the steps necessary to develop an aesthetic, functional definitive prosthesis.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

• Understand the scientific basis for immediate occlusal loading of edentulous jaws.
• Use a decision tree to determine which patients are the best candidates for immediate full-arch therapy.
• Develop a plan for fabricating an immediate full-arch provisional restoration with the aid of the DIEM® 2 Guidelines.
• Understand the steps necessary to plan and fabricate the definitive prosthesis.

Steven J. LoCascio, DDS
Dr. LoCascio received his dental degree from Louisiana State University School of Dentistry in New Orleans and completed a General Practice Residency at the Medical Center of Louisiana, Charity Hospital. He returned to the School of Dentistry at Louisiana State University where he was awarded specialty certificates in Prosthodontics and Maxillofacial Prosthetics. Dr. LoCascio is a Clinical Associate Professor in the Department of Oral and Maxillofacial Surgery at the University of Tennessee Medical Center in Knoxville, Tennessee and a Clinical Assistant Professor in the Department of Prosthodontics at Louisiana State University, School of Dentistry, in New Orleans, Louisiana. Dr. LoCascio maintains a private practice limited to prosthodontics and maxillofacial prosthetics in Knoxville, Tennessee.

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PROGRAM DESCRIPTION:
This program will identify restorative volume (space) requirements for full arch fixed/removable, implant restorations. Literature citations will be identified and used for clinicians and dental laboratory technicians to make evidence-based decisions regarding restorative treatment parameters involved in treating full arch patients with fixed and removable implant restorations. Treatment planning guidelines will be identified, as well as clinical scenarios where adequate restorative volume (space) has been generated. Clinical situations where adequate restorative volume (space) was not provided will also be identified; clinical remedies will be illustrated.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Identify restorative volumes needed for fixed and removable, full arch implant restorations.
• Communicate with implant surgeons’ restorative volume requirements for specific patient types including resilient attachment overdenture, bar-retained/supported overdentures, interim hybrid, screw-retained full arch restorations, definitive hybrid full arch restorations made with CAD/CAM titanium frameworks, and definitive hybrid full arch restorations made with CAD/CAM zirconia frameworks.
• Diagnose and treat patients who may present with prosthetic complications associated with lack of restorative volume.
• Understand treatment planning guidelines specific to restorative volume requirements.

Carl Drago, DDS, MS, FACP
Dr. Drago received his DDS from The Ohio State University College of Dentistry and MS from the University of Texas Graduate School of Biomedical Sciences at San Antonio. Dr. Drago is a Diplomate of the American Board of Prosthodontics, a Fellow in the American College of Prosthodontists and the American College of Dentists. He has more than 89 published articles and has written four textbooks on dental implants. Dr. Drago currently serves as the Clinical Science section editor for the Journal of Prosthodontics. He is an Adjunct Associate Professor in Graduate Prosthodontics at Marquette University School of Dentistry. He maintains a private practice limited to fixed, removable, and implant prosthodontics in Brookfield, Wisconsin.

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Immediate and Definitive Restorations of the Edentulous Arch—Transitioning from the Provisional Restoration to the Definitive ON-DEMAND WEBCAST

PROGRAM DESCRIPTION:
Patients with debilitated or missing dentitions often seek rehabilitation to quickly regain masticatory function, aesthetics, and quality of life. Clinicians can now predictably offer treatment solutions for immediate full arch restorations to meet patient demands and expectations. This is followed by the design, fabrication, and delivery of the definitive prosthesis. This program will present the step-by-step and appointment-by-appointment procedures for constructing and delivering the definitive prosthesis. Specific procedures are performed at each appointment to achieve a successful restoration. A post-delivery follow-up schedule that is essential for long-term success will be presented.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Plan the design, fabrication, and delivery of the definitive full arch prosthesis.
• Identify appointment type and length of time needed for efficient treatment.
• Learn the specific procedures that should be performed at each appointment.
• Understand and set-up a recare protocol for maintenance and follow-up care.

Jimmy Rivers, DMD, MHS
Dr. Rivers received his DMD, MHS, and graduate prosthodontics training at Medical University of South Carolina. He is the recipient of numerous awards for his contributions to dental education, to the profession, and his community. He has presented more than 500 lectures nationally and internationally on implant dentistry. Dr. Rivers has 35 years of experience treatment planning and restoring dental implants.

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PROGRAM DESCRIPTION:
Patients with debilitated or missing dentitions often seek rehabilitation to quickly regain masticatory function, aesthetics, and quality of life. Clinicians can now predictably offer treatment solutions for immediate full arch restorations to meet patient demands and expectations. This is followed by the design, fabrication, and delivery of the definitive prosthesis. This program will present a step-by-step approach to fabrication of the provisional restoration as well as the definitive restoration, from a laboratory perspective.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Understand the technique of indirectly fabricating a provisional prosthesis following the guidelines for RevitaliZe® Patient Solutions.
- Learn the laboratory techniques for fabrication of the definitive prosthesis.
- Understand the requisite information to provide to the laboratory for fabrication of the definitive prosthesis.
- Identify the materials used for fabrication of the definitive prosthesis.

Henry Martin, CDT
Henry’s technical experience includes all aspects of Dental Technology, with an emphasis on dental implants, as dental implant restorations have become a specialty of his laboratory. With 37 years of experience, advanced training, and extensive experience in most systems and procedures, his knowledge extends into clinical and as a result he has been involved in hundreds of immediate load full arch restorations, guided surgery, and CT-based case planning. Henry is past President of the National Association of Dental Laboratories, twice served as Chairman of the National Board for Certification in Dental Technology, is Past President of the Southeastern Conference of Dental Laboratories, a past President of the South Carolina Dental Laboratory Association, and past Trustee for the Foundation for Dental Technology. He is a member of the Editorial Board for the Journal of Dental Technology, as well as the American Academy of Cosmetic Dentistry, American College of Prosthodontics and the Academy of Osseointegration.

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Clinical and Laboratory Guidelines for Hybrid CAD/CAM Framework Design

ON-DEMAND WEBCAST

PROGRAM DESCRIPTION:
CAD/CAM implant frameworks have proven to be more accurate, biocompatible, and longer lasting, with fewer complications than cast-metal frameworks. This program will review advances in CAD/CAM protocols and their resulting benefits, including decreased labor costs, improved long-term results due to better physical properties, improved accuracy, and decreased frequency of prosthetic complications.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Identify anterior/posterior spreads on master casts and explain how they relate to framework design.
• Design full-arch frameworks using evidenced-based parameters including metal design, retentive elements, prosthesis type, and cantilever length.
• Troubleshoot problems associated with long-term, full-arch, implant prostheses.
• Explain the mechanical properties of various materials used in CAD/CAM protocols.

Carl Drago, DDS, MS, FACP
Dr. Drago received his DDS from The Ohio State University College of Dentistry and MS from the University of Texas Graduate School of Biomedical Sciences at San Antonio. Dr. Drago is a Diplomate of the American Board of Prosthodontics, a Fellow in the American College of Prosthodontists and the American College of Dentists. He has more than 89 published articles and has written four textbooks on dental implants. Dr. Drago currently serves as the Clinical Science section editor for the Journal of Prosthodontics. He is an Adjunct Associate Professor in Graduate Prosthodontics at Marquette University School of Dentistry. He maintains a private practice limited to fixed, removable, and implant prosthodontics in Brookfield, Wisconsin.

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PROGRAM DESCRIPTION:
Clinicians face many challenges which may compromise successful implant outcomes. Systemic conditions, various medications, and nicotine use may create situations which decrease implant success. Examples include the effects of diabetes upon the periodontium, and the detrimental effects of smoking on implant healing and osseointegration. Sites where implants have previously failed may be particularly problematic. Selection of the proper implant in these conditions is crucial to achieving a positive result for patients.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Understand the effects of diabetes upon the periodontium and success of dental implant placement.
- Describe the increased failure rate and complications of implant placement in patients with a history of periodontitis.
- Comprehend the magnitude of implant failures in the United States and the historic success of second implant attempts.
- Understand the attributes of an implant which may be beneficial in these challenging clinical situations.

Michele J. Dimaira, DMD, MS
Dr. Dimaira received a Bachelor of Science in Biochemistry from Rutgers University, her Doctorate in Dental Medicine from New Jersey Dental School, a Master of Science in Oral Biology from UCLA and a Master of Healthcare Administration from Purdue Global University. She attended a two-year General Practice Residency at the Lyons Veterans Administration Medical Center prior to obtaining a Certificate in Periodontics from the West Los Angeles Veterans Administration Medical Center. Dr. Dimaira is a Diplomate of the American Board of Periodontology. She had a private practice in New Jersey for over 20 years prior to accepting a full-time academic position as Program Director for the Graduate Program in Periodontology and Oral Implantology at Temple University, Kornberg School of Dentistry, where she also has a Faculty Practice.

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Full arch implant treatment has become a well-accepted treatment modality for edentulous patients and patients with terminal dentitions. The frequency of peri-implant mucositis and peri-implantitis has been increasing and now presents different challenges for the dental implant team. This program will define and illustrate peri-implant mucositis and peri-implantitis, as well as describe and illustrate specific recare protocols. Clinical cases will be presented, along with current recommendations for continuing care from the professional literature.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:

- Define peri-implant mucositis and peri-implantitis.
- Recognize the signs of peri-implant mucositis and peri-implantitis.
- Describe the benefits and limitations of cement- and screw-retained implant restorations.
- Establish specific recare protocols based on recognized clinical guidelines.

Carl Drago, DDS, MS, FACP
Dr. Drago received his DDS from The Ohio State University College of Dentistry and MS from the University of Texas Graduate School of Biomedical Sciences at San Antonio. Dr. Drago is a Diplomate of the American Board of Prosthodontics, a Fellow in the American College of Prosthodontists and the American College of Dentists. He has more than 90 published articles and has written five textbooks on dental implants. Dr. Drago currently serves as the Clinical Science section editor for the Journal of Prosthodontics. He is an Adjunct Associate Professor in Graduate Prosthodontics at Marquette University School of Dentistry. He maintains a private practice limited to fixed, removable, and implant prosthodontics in Brookfield, Wisconsin.

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The Growing Prevalence of Peri-implantitis: Diagnosis and Management of the Disease

ON-DEMAND WEBCAST

PROGRAM DESCRIPTION:
Dental implants are highly predictable when treatment protocols are followed. Peri-implantitis is a disease that threatens implant survival long-term. For clinicians, there is no clear consensus on how to prevent and treat this fast-growing problem. This presentation will provide an overview of the diagnosis of peri-implant disease and treatment considerations. The decision tree for different treatment modalities will be highlighted, including different prosthetic treatment options including CAD/CAM restorations to optimize plaque control and maintain health around implant-supported restorations.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
- Recognize and diagnose peri-implantitis.
- Identify the risk factors for implant disease.
- Demonstrate different surgical approaches including regenerative therapy for treating peri-implantitis.
- Discuss different prosthetic concepts and CAD/CAM abutment designs to control and prevent peri-implantitis to maintain long-term peri-implant health.

Suheil Boutros, DDS, MS
Dr. Boutros received his dental degree from University of Detroit, Mercy School of Dentistry, Detroit, MI, and a Masters of Science and Certificate in Periodontics from University of Minnesota, School of Dentistry, Minneapolis, MN. He is a Visiting Assistant Professor in the Department of Periodontics, University of Michigan, School of Dentistry, Ann Arbor, MI. Dr. Boutros has numerous publications in the peer-reviewed literature and is in private practice in Grand Blanc, Clarkston, and Dearborn Heights, MI with an emphasis on periodontics, implants, and regenerative therapy.

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PROGRAM DESCRIPTION:
This program will thoroughly review current knowledge about the causes of peri-implant disease. Emphasis will be placed on recognizing complications related to peri-implant mucositis, peri-implantitis, and cement-induced peri-implantitis, as well as treating ailing and failing implants. Prevention of problems before they develop will be stressed, including the selection of an implant system to help mitigate the risk of peri-implant disease.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Recognize the signs of peri-implant mucositis, peri-implantitis, and cement-induced peri-implantitis.
• Develop maintenance programs for their practices that are designed to prevent development of peri-implant disease.
• Understand the factors in implant design and use that can minimize the risk of peri-implant disease developing.
• Discuss the options for treating peri-implantitis including resective and regenerative approaches.

Alan Meltzer, DMD, MScD
Dr. Meltzer received his dental degree from the University of Pennsylvania and his Masters in Periodontics and Oral Medicine from Boston University, School of Graduate Dentistry. He is a Diplomate of the American Board of Periodontology and the International Congress of Oral Implantology. Dr. Meltzer is a Fellow of the Academy of Osseointegration, where he served on the Research and Education Committees. He is a past director of Graduate Periodontology at Temple University Dental School and a past clinical professor in the Department of Post-Graduate Periodontics and Periodontal Prosthetics at the University of Pennsylvania. Dr. Meltzer maintains a private practice in Voorhees, New Jersey.
**PROGRAM DESCRIPTION:**
Peri-implantitis is an emerging problem that affects between 11% and 47% of implant patients. It is generally accepted that peri-implant mucositis is a precursor to peri-implantitis. The anatomy of the peri-implant tissues largely depends on the position of the implant, the implant system used, and the clinical/prosthetic protocol followed. The design of the definitive implant abutment can be digitally enhanced to respect the biological space and prevent peri-implant breakdown. This program will review current knowledge about the causes of peri-implant disease, prevention strategies to prevent problems before they develop, including the selection of an implant system to help mitigate the risk of peri-implant disease.

**PROGRAM OBJECTIVES:**
At the completion of the program, participants should be able to:
- Describe peri-implant mucositis, its causes, and treatment modalities.
- Describe peri-implantitis, risk factors involved, and potential treatment modalities.
- Understand the management protocol for treating early, moderate, and advanced peri-implantitis cases.
- Understand the term “explantation” and under what circumstances this treatment protocol is used.
- Understand and be able to implement a digital workflow utilizing the BellaTek® Encode® Impression System.

**Munib Derhalli, DMD, MS, MBA**
Dr. Derhalli graduated from Oregon State University and received his doctorate from Oregon Health Sciences University, School of Dentistry. While serving in the military, he completed a Masters in Business Administration and then a three-year Masters of Science residency in Periodontology at the University of Oklahoma Health Sciences Center. Dr. Derhalli has held teaching appointments at the University of Oklahoma Graduate Periodontics Department and at Oregon Health Sciences University Graduate Periodontics Department in the post-doctorate program. Dr. Derhalli is a Diplomate of the American Board of Periodontology and is a member of various dental societies. He maintains a private practice with a focus on periodontal plastic surgery and implant reconstruction in Vancouver, Washington.
PROGRAM DESCRIPTION:
Dental implant therapy has become a well-accepted modality of treatment for missing or hopeless dentition. However, the maintenance of osseointegration is as important as achieving it. The frequency of peri-implant mucositis and periimplantitis has been increasing and now presents different challenges for the dental implant team. This program will define and illustrate peri-implant mucositis and peri-implantitis, as well as describe and illustrate specific recare protocols designed to help ensure optimal, long-term outcomes of implant-supported prostheses and patient satisfaction.

PROGRAM OBJECTIVES:
At the completion of the program, participants should be able to:
• Define peri-implant mucositis and peri-implantitis.
• Recognize the signs of peri-implant mucositis and peri-implantitis.
• Instruct patients on proper self-care procedures for optimally maintaining their implant-supported restorations.
• Establish specific recare protocols based on recognized clinical guidelines.

Melissa Dravecky-Haggerty, RDH
Missy Haggerty is a Registered Dental Hygienist with experience in periodontics and implant dentistry. She graduated from Youngstown State University in Youngstown, Ohio with an Associate in Science degree in dental hygiene. During Missy’s years in clinical practice she has been involved in all aspects of implant dentistry from case presentation, to fee discussions and coordination of treatment between the surgeon, restorative dentist and laboratory. She was responsible for post-operative and maintenance care for the implant patient. Along with her clinical work, she has been involved in coordinating continuing education programs for the dental team at both local and National levels. Missy has been a speaker for numerous organizations. She is a passionate advocate for implant dentistry and enjoys sharing her passion with the entire dental team.

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