Knowledge is Power

Because learning is a lifelong process, the Zimmer Biomet Institute presents the Lazzara Educational Series. 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 Lazzara Educational Series 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’s my 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.

Sincerely,

Richard J. Lazzara, DMD, MScD†

†Dr. Lazzara had a financial relationship with Zimmer Biomet Dental resulting from speaking engagements, consulting engagements, and other retained services.

*Through ADA CERP and AGD PACE.
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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Clinical and Laboratory Guidelines for Hybrid CAD/CAM Framework Design
Speaker: Carl Drago, DDS, MS, FACP

PERI-IMPLANT HEALTH

Peri-implant Health and Complication Management
Speaker: Alan Meltzer, DMD, MScD

Incorporating Nano Science & Digital Technologies to Impact Peri-Implantitis Prevention
Speaker: Munib Derhalli, DDS, MS, MBA

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**PROGRAM DESCRIPTION:**
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.

**PROGRAM OBJECTIVES:**
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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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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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.
**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.

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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:
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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PROGRAM DESCRIPTION:
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:
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.

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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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The Art and Science Behind Anterior Implant Aesthetics
ON-DEMAND WEBCAST

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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Clinical Guidelines for Anterior Implant Restorative Options

ON-DEMAND WEBCAST

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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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.
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 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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PROGRAM DESCRIPTION:
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.

PROGRAM OBJECTIVES:
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.

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Implementation of Intraoral Scanning and a Coded Healing Abutment Impression System

**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.

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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:
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.

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**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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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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Immediate and Definitive Restorations of the Edentulous Arch: Transitioning from the Provisional Restoration to the Definitive: Laboratory Perspective

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 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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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:
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.

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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.

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