The Lazzara Educational Series
Interactive Web-Based Learning

ZIMMER BIOMET Institute
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 for full length attendance.*

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 has a financial relationship with Zimmer Biomet Dental resulting from speaking engagements, consulting engagements, and other retained services.

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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.

In the pursuit of exceptional patient outcomes, we recognize the importance ongoing education holds for the dental professional.
# Programs

## ON-DEMAND CE WEBCASTS

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To view the full schedule of On-Demand Web-Based Programs, please visit www.zimmerbiometdental.com/on-demand
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.

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

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.

After 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 and is in private practice in Grand Blanc, Clarkston, and Dearborn Heights, MI with an emphasis on periodontics, implants, intravenous conscious sedation, and regenerative therapy.†

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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.

After 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.

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Clinical Guidelines for Anterior Implant Restorative Options

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 seminar 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.

After 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, 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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For additional information regarding this program, please contact the Zimmer Biomet Dental Education Department at: events@zimmerbiomet.com.
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.

After 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.

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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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Clinical and Laboratory Guidelines for Hybrid CAD/CAM Framework Design

CE WEBCAST

CAD/CAM implant frameworks have proven to be more accurate, biocompatible, and longer lasting, with fewer complications than cast-metal frameworks. This webinar 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.

After 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 80 published articles and has written four textbooks on dental implants. 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 LaCrosse, Wisconsin. †

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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 webinar will review current definitions of MRONJ, strategies for diagnosing, staging, and managing it, and the relevance to treatment planning dental implant therapy.

After 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. †
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.

After 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 80 published articles and has written four textbooks on dental implants. 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 LaCrosse, Wisconsin. †
Guidelines Regarding Grafting and Implant Placement for Comprehensive and Aesthetic Tissue Management

This webinar 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.

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

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.

After 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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Immediate and Definitive Restorations of the Edentulous Arch—Transitioning from the Provisional Restoration to the Definitive

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.

After 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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Implant Restorative Guidelines: Cement Vs. Screw-Retained Prostheses Part I: Screw-Retained

This webinar will present a review of the literature regarding the use of cement- and screw-retention for single- and multiperunit 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.

After 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 appropriate 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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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.

After 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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Incorporating Nano Science and Digital Technologies to Impact Peri-implantitis Prevention

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.

After 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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Peri-implant Health and Complication Management

CE WEBCAST

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.

After 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 regenerative 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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Phasing Dental Therapy to Provide Comprehensive Care

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 webinar will describe the use of a six-step protocol for phasing comprehensive dental therapy.

After 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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Restorative Volume Requirements as it Relates to Diagnosis and Treatment Planning for Full Arch Therapy

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.

After 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 80 published articles and has written four textbooks on dental implants. 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 LaCrosse, Wisconsin.

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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 webinar will review changes in treatment planning, implant site preparation, and immediate restoration of implants in the aesthetic zone.

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

- Implement new techniques for selecting cases and using CT scans in treatment planning.
- Understand the proper placement of implants in extraction sockets and the rationale for grafting the gap between the implant and buccal socket wall.
- Understand the biomechanical and aesthetic considerations for achieving high primary stability.
- 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. Dr. Baumgarten is on the Editorial Board of the Journal of Implant and Reconstructive Dentistry® and the Compendium of Continuing Education in Dentistry. He is a Clinical Professor with the Department of Periodontics at the University of Pennsylvania. Dr. Baumgarten maintains a private practice in Philadelphia, Pennsylvania.

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For additional information regarding this program, please contact the Zimmer Biomet Dental Education Department at: events@zimmerbiomet.com.
Top-Down Treatment Planning for Optimal Implant Restorative Outcomes

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.

After 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 and is in private practice in Grand Blanc, Clarkston, and Dearborn Heights, MI with an emphasis on periodontics, implants, intravenous conscious sedation, and regenerative therapy.

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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 webinar 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.

After 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.†
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 webinar 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.

After 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 immediate 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 80 published articles and has written four textbooks on dental implants. 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 LaCrosse, Wisconsin.
Implementation of Intraoral Scanning and a Coded Healing Abutment Impression System

This webinar 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.

After 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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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 webinar will present the biologic rationale for extraction-site grafting, along with a simple and predictable surgical procedure.

After 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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