

Tuesday, February 18, 2020

1:05PM - 2:15PM

Digital Innovations in Full Arch Fixed Implant Prosthetics

Sundeep Rawal, DMD

Merritt Island, FL

Learning Objectives:

At the conclusion of this session, attendees should be able to:

- Describe the use of intra-oral scanning in full arch implant workflows.
- Identify predictable protocols to create ease and efficiencies in clinical practice when offering full arch implant therapies.
- Discuss innovative manufacturing with integrated printed titanium frameworks in milled acrylic restorations.

Session Descripton: Full arch Fixed Implant Prosthetics is one of the most impacted treatment modalities affected by the incorporation of digital dentistry into clinical practice. The Digital workflow allows these therapies to be executed with ease, greater efficiencies, and simplification of protocols to enhance more predictable outcomes. Along with innovations in workflows are dramatic changes in manufacturing which allow restorations to be fabricated utilizing state of the art concepts such as additive manufactured titanium frameworks and milled acrylic technologies.

Teaching Method(s): Didactic presentation with question and answers.

AGD PACE Code: 610 Fixed Prosthodontics; 690 Implants



Speaker Bio: Dr. Sundeep Rawal is a private practice prosthodontist at Florida Prosthodontics, PA in the central Florida area. He graduated from the University of Florida College of Dentistry, USA in 2006 and completed his training in Prosthodontics at the University of California San Francisco in 2009 where he was exposed to the most current technologies shaping dentistry. Dr. Rawal has worked extensively to utilize CAD/CAM technologies within the scope of clinical dentistry and enhance his patients restorative treatments. He has lectured across the USA as well as internationally with over 500+ engagements over the years, and published Numerous papers in Various dental journals and other Publications. He is a past president of the Brevard County Dental Society, and of the Florida Prosthodontic Association as well as an officer for the Florida Academy of Cosmetic Dentistry, and the Dental Society of Greater Orlando. Dr. Rawal is also an officer in the Central

District Dental Association and delegate to the Florida Dental Association. He has held numerous positions with national organizations such as the American College of Prosthodontics. Dr. Rawal is a co-founder of the Digital Dentistry Institute, a leading contemporary education entity with courses all over the world dedicated to innovations and technology in dentistry. He is currently in private practice with Four office locations in central Florida in Orlando and east to the Beaches.

Tuesday, February 18, 2020

2:15PM - 3:25PM

Digital Dentures - The Future is Now!

Eric D. Kukucka, DD

George Brown College, Windsor, Ontario

Learning Objectives:

At the conclusion of this session, attendees should be able to understand:

- Explain how the digital process provides optimal results for the clinician and the technician.
- Utilization of IOS technology for the fabrication of Digital Removal Prosthetics.
- Recall current utilization of various additive and subtractive technologies.

Session Descripton: Currently one of the most attractive new topics in digital dentistry is Digital Dentures. Past, present or future with digital removable what's in it for you? Join the conversation! This presentation will cover all the aspects of the Digital Denture process including understanding clinical protocols: digital design, clinical and manufacturing for Digital Denture success. Various workflows with both IOS and lab scanning technology for Digital Denture software integration.

Teaching Method(s): Didactic presentation with question and answers.

AGD PACE Code: 670 Removable Prosthodontics



Speaker Bio: Eric D. Kukucka is the owner of The Denture Center, with three locations in Southwestern Ontario. He is a prominent sales strategist and advocate for market best practices dedicated to creating high quality digital removable, fixed and fixed-detachable implant prosthetic restorations. Eric is recognized as a consultant and key opinion leader by Ivoclar Vivadent, 3shape and Nobel Biocare, top-of-mind multinational companies in the global dental materials manufacturing, implant industries and dental imaging software. Collaborating with Ivoclar Vivadent, Eric became the first denturist in North America to be beta testing digital dentures. Eric lectures extensively in North America and internationally on Digital Denture Technology. Eric has authored over 15 published articles and has already given 50 keynote presentations over the past 5 years in 5 countries including the IDS in Cologne, Germany. Eric has expanded his practice to include a series of 2-day hands on Digital Denture workshop courses throughout the year at his clinic, intended to educate participants in all processes involved from start to finish, including scan and design and understanding the various manufacturing processes with a live patient.



Tuesday, February 18, 2020

3:55PM - 5:05PM

Advanced Single Visit Chairside Dentistry

Michael J Skramstad, DDS

Edina, MN

Learning Objectives:

At the conclusion of this session, attendees should be able to:

- Recall how scanner accuracy has played a role in moving CAD/CAM chairside dentistry from a single tooth solution to include multiple full arch solutions.
- Describe how software and artificial intelligence allows software to be developed with user experience in mind. Simplicity, efficiency, and integration are paramount in creating seamless and collaborative solutions.
- Explain how Digital Intraoral Monitoring software can create a timeline of what is happening with your patients over a period of time.

Session Descripton: Recent advancement in chairside scanning technology has opened the door to start exploring more comprehensive topics. What first started as single visit partial and full coverage restorations has evolved into the ability to do full mouth rehabilitations, dentures, and advance implant dentistry with fully digital techniques. In this lecture, we will explore what makes this possible and how artificial intelligence software and integrations are making tremendous strides in simplifying each process. We also will discuss a paradigm shift with digital scanning in office. What was once considered only a restorative solution has transformed into also being a diagnostic tool. Advanced monitoring software are allowing dentists to track changes and create a true timeline as to what is happening to our patients over time.

Teaching Method(s): Didactic presentation with question and answers.

AGD PACE Code: 610 Fixed Prosthodontics



Speaker Bio: Dr. Skramstad is a 2000 graduate of the University Of Minnesota School Of Dentistry. He is a certified advanced CEREC trainer and has lectured internationally on technology, implantology and digital dentistry. Dr. Skramstad is an Alpha/Beta tester for Sirona Dental Systems and enjoys working closely with the engineering team to help with hardware/software development. A product consultant for multiple dental companies, he has the pleasure to test and evaluate many products prior to market launch and has published numerous articles on materials and CAD/CAM. Dr. Skramstad is a resident faculty member in the CAD/CAM Department of Spear Education and www.cerecdoctors.com, a nationally renowned website and continuing education center in Scottsdale, Arizona. He also maintains a successful restorative practice in Orono, MN focusing on Esthetic, Implant and CAD/CAM Dentistry.

Wednesday, February 19, 2020

8:00AM - 9:00AM

The Digital Approach to Full Arch Implant Dentistry

Martin Wanendeya, BDS (Bristol) DiplImpDent (RCS) Eng

Learning Objectives:

At the conclusion of this session, attendees should be able to:

- Explain the workflow for a fully digital full arch implant case from planning to placement to final restoration.
- Discuss the benefits of using a digital workflow for full arch implant cases.
- Identify the pitfalls of using a fully digital workflow in a general practice environment.

Session Descripton: Full Arch Fully digital has always been the aim of many implantologists, and as of now, it is unclear if this is possible. Is it possible? If it is possible, is it predictable? If it is predictable, what is the workflow? If there is a workflow, what is the benefit of using digital vs analogue? I will aim to show what we, in general practice, are able to achieve, with digital technology, as well as the workflows that we use from the patient arriving in the practice to leaving with the final restoration.

Teaching Method(s): Didactic presentation with question and answers.

AGD PACE Code: 610 Fixed Prosthodontics; 690 Implants



Speaker Bio: Dr. Wanendeya Graduated from the University of Bristol in 1995. Since 2004 he has been a partner at Ten Dental, an interdisciplinary specialist referral practice in Clapham, South London where his work is limited to implant and aesthetic dentistry. He is a tutor on the diploma in implant dentistry program at the Royal College of Surgeons, England, having been awarded the diploma at advanced level. Dr. Wanendeya has a special interest on digital implant dentistry and digital smile design and has lectured internationally on all aspects of implant dentistry.



Wednesday, February 19, 2020

9:05AM - 10:05AM

Practice Management/Integration to Digital Dentistry

Graziano D. Giglio, DDS, FACP

New York, NY

Learning Objectives:

At the conclusion of this session, attendees should be able to:

- Explain how to transform a prosthodontic practice from a conventional to a digital workflow.
- Discuss the selection of appropriate technologies, necessary equipment, and proper training.
- Review the integration of digital technology into the prosthodontic practice.

Session Descriptor: Over the past five years, digital dentistry is progressing quite rapidly to the point where it has become more commonplace. This course focuses on guiding the prosthodontic practice through the transition from a conventional workflow to a digital workflow. Selecting the appropriate technologies, acquiring the necessary equipment, and properly training the entire dental office staff to use the technology effectively will be discussed. In addition, merging the CBCT images with the intraoral scans can be valuable in treatment planning and coordination of therapy with other specialties. By utilizing the available digital technologies, we can improve both the restorative and surgical aspects of dental treatment by increasing accuracy and efficiency. The process of acquiring a digital impression and transmitting the scans to the laboratory will be reviewed. The integration of Computer Assisted Designing (CAD) and Computer Assisted Manufacturing (CAM) will be demonstrated to predictably achieve aesthetic and well-fitting restorations.

Teaching Method(s): Didactic presentation with question and answers.

AGD PACE Code: 250 Operative (Restorative) Dentistry; 610 Fixed Prosthodontics; 690 Implants; 780 Esthetics/Cosmetic Dentistry



Speaker Bio: Dr. Graziano Giglio received his D.D.S. degree (1987) and his prosthodontic certificate (1990) from New York University College of Dentistry (NYUCD). He is a Diplomate of the American Board of Prosthodontics and a Fellow of the ACP. Dr. Giglio served as the President of the Greater New York Academy of Prosthodontics in 2013. He is an Adjunct Clinical Associate Professor at NYUCD. Dr. Giglio conducts a full-time private practice in multi-specialty office in New York City.

Wednesday, February 19, 2020

10:30AM - 11:30AM

Para-Digital Prosthodontics: Practical CAD/CAM Implant Prosthetics from Virtual to Reality

Andrew C. Johnson, DDS, MDS, CDT, FACP

Fayetteville, AR

Learning Objectives:

At the conclusion of this session, attendees should be able to:

- Compare and contrast traditional implant prosthetic procedures with digital processes.
- Explain how to repurpose existing technologies and techniques to bridge the digital age possibilities with present day practicality.
- Identify and appreciate the impact of digital clinical, laboratory processes on treatment results and patient experience.

Session Descripton: As is the nature of all things new, the motivations for adopting an emerging technology must extend beyond novelty alone if a tipping point is ever reached, if an industry is ever changed. The battle between mainstay and modern solutions is usually won with improvements in cost, quality and/or convenience. In the course of his presentation, Dr. Johnson will demonstrate how these factors are reflected in the ever-evolving materials and methods utilized in our past, present and future dental prosthetic workflows but also how they can align as an opportunity to truly revolutionize dentistry for all.

Teaching Method(s): Didactic presentation with question and answers.

AGD PACE Code: 550 Practice Management and Human Relations; 610 Fixed Prosthodontics; 670 Removable Prosthodontics; 690 Implants



Speaker Bio: Dr. Andrew C. Johnson completed his training at the University of Tennessee Health Science Center in Memphis and now operates a multi-specialty private practice in Rogers, AR. As a board-certified surgical prosthodontist and dental laboratory technician, his practice centers around complex dental implant and prosthetic reconstruction, start to finish from three-dimensional imaging, virtual treatment planning and computer-guided surgery, to digital prosthesis design, production workflow and long-term complication management. However, his broader professional interests include process scaling, provider calibration, and dental mindset disruption.



Wednesday, February 19, 2020

11:30AM - 12:30AM

Digital Implant Dentistry in the Prosthodontist Practice: From Bytes to Bites

Luiz H. Gonzaga, DDS, MS

University of Florida, Gainesville, FL

Learning Objectives:

At the conclusion of this session, attendees should be able to:

- Define and reference evidence-based digital approaches to accelerated and esthetic implant procedures.
- Describe the available planning and treatment options utilizing digital planning and implant placement technologies.
- Discuss how implant design and surgical techniques can be best selected through the digital diagnostic and treatment planning.

Session Descripton: Implant dentistry has changed considerably since Dr. Branemark published his discovery of osseointegration. The modern implant materials and design have made it possible to achieve predictable survival rates, but unfortunately, sometimes the prosthetic results are far from ideal. The evolution of imaging technology and computer assisted surgery associated with a restorative-driven treatment plan can provide successful outcomes to our patients. Until recently, computers have only been at the periphery of health science, used primarily for research and record keeping. Today, the combination of computer science and medicine is leading to a variety of breakthroughs. This presentation will discuss aspects of treatment planning and technologies that can catalyze better long term success to the implant patient. We will cover Cone Beam Tomography treatment planning, CAD/CAM surgical guides and computer aided surgery. As well the restorative aspects from single unit restorations to full arch prosthetics.

Teaching Method(s): Didactic presentation with question and answers.

AGD PACE Code: 690 Implants



Speaker Bio: Dr. Gonzaga Graduated from the Catholic University of Brasilia College of Dentistry in 2004. Implant/Periodontic specialty training, graduating in 2009. He was awarded with the ITI scholarship in 2009 and completed his Implant fellowship the next year. Dr. Gonzaga completed a residency program and Masters in Prosthodontics from the University of Florida in 2014. He is a Clinical Assistant Professor at the University of Florida Center for Implant Dentistry. Dr. Gonzaga is a ITI speaker and Fellow of the International Team for Implantology, a member of the American College of Prosthodontics, and the Academy of Osseointegration.



Wednesday, February 19, 2020

1:30PM - 2:30PM

New Frontiers in Digital Prosthodontics: Synergy of Modern Materials & Technology

John A. Sorensen, DMD, PhD, FACP

University of Washington, Seattle, WA

Learning Objectives:

At the conclusion of this session, attendees should be able to:

- Discuss the advantages and limitations of the various parts of the digital workflow in prosthodontics for both the clinical and laboratory technology aspects.
- Identify how the digital workflow can be used to efficiently design and fabricate the provisional prosthesis as a prototype for the definitive prosthesis, and the definitive prosthesis.
- Explain the mechanisms of improved zirconia esthetics by ceramic structure, milling disk/block structure and shade gradation, shading technologies and unique ultra-thin layering materials.

Session Descriptor: Enabled by today's advanced materials and the control of the CAD process, digital technologies have advanced prosthodontics to levels implausible only 10 years ago. This synergy produces exceptional clinical prosthodontics with speed and efficiency, fabricating prostheses as accurate or frequently superior in precision to conventional prosthodontics. Dr. Sorensen will explore current research evaluating each stage of the digital workflow (DWF) process (including Intraoral Scanners (IOS), Additive and Subtractive CAM devices) and analyze latest developments in innovative ceramics particularly of monolithic zirconia and glass ceramics. A clinical trial evaluating a completely DWF for posterior restorations analyzing precision of IOS, CAD/CAM ceramics and OCT imaging for 3D clinical evaluation is presented. Clinical cases from single tooth to full arch prostheses will illustrate how the materials/digital technology synergy can provide exceptional clinical outcomes.

Teaching Method(s): Didactic presentation with question and answers.

AGD PACE Code: 610 Fixed Prosthodontics



Speaker Bio: Dr. Sorensen is Professor, Department of Restorative Dentistry; Director, Biomimetics Biomaterials Biophotonics Biomechanics & Technology Laboratory; Director of Research, Graduate Prosthodontics Program; Director of Research, Dept. Restorative Dentistry, University of Washington. A diplomate of the American Board of Prosthodontics, Dr. Sorensen has published over 85 research articles and chapters and over 145 research abstracts. He has given over 150 invited lectures in 35 countries, over 300 lectures courses, hands-on programs and patient-treatment classes.



Wednesday, February 19, 2020

3:00PM - 4:00PM

Here Today, Gone Tomorrow: Advances and Obsolescence From the Dental Laboratory

Jack James, CDT

Durham, NC

Learning Objectives:

At the conclusion of this session, attendees should be able to understand:

- Discuss the benefit of printed dentures vs milled.
- Describe applications for use of Multilayer Zirconia.
- Explain why the modern lab is a solution and resource center.

Session Descriptor: Breakthroughs in keys areas of Dental Laboratory production are revolutionizing prosthetic fabrication methods. Material innovation and fabrication techniques are moving at an accelerated pace quickly making todays advancements obsolete tomorrow.

Teaching Method(s): Didactic presentation with question and answers.

AGD PACE Code(s):

- 610 Fixed Prosthodontics
- 670 Removable Prosthodontics
- 690 Implants



Speaker Bio: Jack Marrano is the Director of Signature Prosthetics at Absolute Dental Laboratory which specializes in complete restorative solutions from surgical to final prosthetics.



Wednesday, February 19, 2020

4:00PM - 5:00PM

Case-Based Workflow Discussion

Moderator:

- Mark Ludlow, DMD, MS

Participants:

- Robert W. Berg, DMD
- Martin Wanendeya, BDS, DiplImpDent
- Luiz Gonzaga, DDS, MS
- Graziano D. Giglio, DDS, FACP

Learning Objectives:

At the conclusion of this session, attendees should be able to understand:

- Recall the real-world applications of the technology covered in the symposium.
- Recognize and appreciate the limitations and possible complications of daily technology use.
- Review different treatment planning and technologic uses from a variety of different clinicians.
- Identify how each participant uniquely uses their technology to treat patients presenting with similar clinical presentations.

Session Description:

In this section, a number of the speakers and the chairs of the meeting will be discussing how they personally use dental technology in their respective practices. Cases will be shown including the single anterior implant, full mouth restorative on teeth, and full arch implant treatment and each participant will demonstrate how they would treat a similar patient in their offices. Questions and discussions will be elicited from the audience to help everyone better able to integrate the technology into their practices irrespective of skill level or equipment owned.