



FALL SCIENTIFIC SEMINAR

Friday, September 27, 2024

Current (Pier Fifty Nine), Chelsea Piers, New York City

Speaker: DAVIDE ROMEO, DMD, PHD, MS

“Accuracy and Treatment Efficiency for Full-Arch Prostheses: Are They at Odds?”

Implant fixed complete dental prostheses (IFCDPs) offer an established long-term predictability as well as a high level of satisfaction for the patient in terms of esthetics, phonetics and function. The advancement of digital technologies, including intra-oral scanners, milling machines and 3D printers, have changed the workflow of fabricating immediate and definitive prostheses. One of the key aspects for screw retained prostheses is to achieve a passive fit or at least to minimize the misfit between the prosthesis and the implant-abutment complex. A passive fit might seem critical for the maintenance of osseointegration and for preventing mechanical and biological complications, but there is questionable evidence that a prosthetic misfit may jeopardize implant and prosthesis success rate. This lecture will provide an overview of current digital workflows for the fabrication of screw retained full-arch fixed prostheses.

Course Objective:

1. Assessment of prosthetic fit for full-arch screw retained prostheses
2. Prosthetic fit and clinical outcomes for implant fixed prostheses
3. Rationale and techniques for fully digital workflows for full-arch fixed prostheses

About the Speaker:

Dr. Davide Romeo received his dental degree summa con laude in 2005 and his PhD in New Techniques in Implant Dentistry and Prosthetic Rehabilitation from the Università degli Studi di Milano (Italy). He also completed a one-year residency in Periodontics for international trained dentists at the Department of Periodontics and Implant Dentistry at New York University College of Dentistry (Chairman: Dr. D. Tarnow). After working in Milan for a few years, he relocated to the United States. At the University of Rochester (New York) he earned a certificate in General Dentistry, his specialty certificate in Prosthodontics and a Masters in Dental Sciences.

Dr. Romeo is involved in research in the field of full-arch implant prostheses, digital dental technologies and dental materials. He has authored publications in peer-reviewed journals, book chapters and co-authored a book with his mentor, Prof. Agliardi, on Tilted Implants.

Speaker: ANDREW C. JOHNSON, DDS, MDS, CDT

“The New 25 Years of Digital Dentistry: From Substitution to Revolution”

While digital dental technologies have been evolving for decades—from 3D scanning to CAD/CAM to AI—the increasing pace at which these innovations develop is as exciting as it is intimidating. Our profession has spent the first quarter of this new century widely adopting “digital dentistry”. We have successfully substituted practice management software for paper charts, digital sensors for X-ray films, milled ceramic for PFMs, intraoral scanners for impression material and stone. With the modern foundation now in

place, the next era can build upon it. The more recent introduction of chairside 3D printing, AI automation and remote digital design services have introduced more productive capabilities than ever before, yet it's when we blend these technologies with creative practicality that we see the combined value of all these gadgets go well beyond any individual ROI. While this presentation covers many contemporary technologies—from scanning, to virtual planning, and many digital materials and treatment modalities—the real lesson is in making them simple, sensible, and systematic enough for everyday dentistry so that the real digital revolution can begin.

Course Objectives:

1. Review the historical perspective as well as the modern alternatives to every day dental procedures
2. Learn how to repurpose existing technologies and techniques to suit the digital age
3. Appreciate how modern technologies are reshaping treatment approaches and patient-experiences

About the Speaker:

Dr. Andrew C. Johnson completed his general dental and prosthodontic training at the University of Memphis and now practices in Northwest, AR. Along with his specialist certificate, Dr. Johnson earned a post-doctoral master's degree in dental science researching CAD/CAM restorative techniques and emerging digital dental materials.

He maintains certifications by both the American Board of Prosthodontics and the National Board for Dental Laboratory Technology and remains active in dental academics as adjunct faculty with the UTHSC Advanced Prosthodontics Program. Dr. Johnson has been published in multiple dental journals and lectures on a variety of technological developments in dentistry. He consults for a wide range of clinicians, suppliers, educators, manufacturers as a thought leader in dental technology integrations.

As a board-certified surgical prosthodontist and digital laboratory technician, his expertise centers around implant and prosthetic reconstruction—from three-dimensional imaging, virtual treatment planning and computer-guided surgery, to digital prosthesis design, production workflow and long-term complication management. However, now that he devotes equal time to testing, teaching, and directly developing dental technologies, his broader professional interests include clinical process scaling, provider calibration, and dental mindset disruption.

Dr. Johnson is a Diplomate, American Board of Prosthodontics; Fellow, American College of Prosthodontists; and Member, American Academy of Restorative Dentistry

Speaker: COLIN RICHMAN, DMD

“Why Don't Our Teeth Fit Our Jaws and What Can We Do About It: An Interdisciplinary Approach”

Surgically Facilitated Orthodontic Treatment (SFOT, previously known as a.k.a. PAOO, POPA and Wilckodontics) are innovative dental technologies, combining generative/regenerative periodontal therapy (phenotype modification), with orthodontic treatment. This enables members of the dental team to minimize potential iatrogenic risk factors associated with orthodontic therapy (recession, relapse, root resorption and white spot lesions). Favorably positioned teeth, plus an enhanced mucogingival complex, facilitate ideal and predictable long-term restorative, esthetics, and functional dental therapies.

Course Objectives:

1. Understand the etiology of orthodontic tooth crowding, gingival recession, apical root resorption and orthodontic relapse from an anthropological, functional, dietary and genetic perspective
2. Benefits, limitations and complications of Phenotype modification through Surgically Facilitated Orthodontic Treatment (SFOT) to facilitate Orthodontic Tooth Movement
3. Understand the peri-implant process as it relates to implant health and esthetics
4. Improve patient comfort and care by using digital technology in an interdisciplinary approach

About the Speaker:

Dr. Colin Richman graduated from a dental program at Wits University in South Africa. He completed a residency program in periodontics at the University of Connecticut as well as a General Dentistry Program in both London and South Africa. He is on the faculty at Emory University and Augusta University and has a private practice limited to Periodontics, SFOT LANAP and Implant Dentistry.

Dr. Richman has presented over 800 programs in the United States and abroad. He is a Diplomate of the American Board of Periodontology and a Fellow of the Georgia Dental Association, the Pierre Fauchard Academy, ITI, and the American and International Academy of Dentistry.

Dr. Richman was a Director of the Seattle Study Club of Atlanta as well as a Director of the International Team of Implantology. He is a Board member of the American Academy of Periodontology Foundation.

Speaker: RICHARD MARN, MD

“From Harvard Hospital to Your Dental Practice - Leveraging Advanced Medical Emergency Training to Mitigate Your Risk”

The average general dental practitioner will experience a medical emergency at least once every two years. While uncommon, medical emergencies in your dental practice can be life-threatening to your patients and potentially devastating to your practice if managed poorly. This presentation will uncover the misconceptions that lead to poor outcomes and highlight the essentials of medical emergency preparedness every dentist must consider. We will reveal a new assessment tool to guide you and your team’s readiness for any medical emergency.

Course Objectives:

1. Understand the misconceptions that increase your risk for patient injury and litigation
2. Learn the essentials of medical emergency readiness for any dental practice
3. Discover how to objectively score your practice’s risk and ways to improve your score

About the Speaker:

Dr. Richard Marn is at the forefront of advancing medical emergency readiness within the dental industry. Drawing from his extensive experience in top U.S. hospitals, including NYU, Bellevue, Johns Hopkins, and Mt. Sinai, Dr. Marn has specialized in office-based pediatric dental sedations since 2016. As the co-founder of Blue Pacific Medical Simulation, he has trained over 60 participants in the past 18 months, significantly improving their preparedness for medical emergencies. He also serves on the faculty of the Center for Medical Simulation (CMS), a globally recognized leader in medical simulation affiliated with Harvard Hospitals.

Dr. Marn is double board-certified in anesthesiology and pediatric anesthesiology and has administered over 18,000 anesthetics. He frequently presents at local and national conferences, including as a two-time speaker at the Greater New York Dental Meeting (GNYDM). Through his work, he aims to elevate the standards of emergency preparedness, ensuring dental teams are equipped to handle any medical emergency with confidence and competence.

Speaker: PETER PIZZI, CDT, MDT

“Our Dental Future by Design: Relationships, Restorative and our Understanding of the Face, White and Pink”

Under the best of circumstances, the transfer of information between clinicians and technicians for the fabrication of restorations is difficult and challenging. Our educated patients and the advancement of materials has created a need for us to didactically move through the diagnostic process, including biomechanical, functionality, periodontal and esthetics. Understanding restorative options while utilizing the basic facial features and tooth positions is a key factor in creating a blueprint for success. Restorative material choices and the use of implants, combined with social media, has influenced our options and the patient’s expectations. While complex cases are more present today than ever before, dental teams with the knowledge of restoring these cases are in a strong position to secure their future success. Today’s dental teams must have a solid foundation of dental materials to control case outcome and esthetic success.

Course Objectives:

1. Understand the importance of Dental Photography
2. Understand Facial Features and Esthetics
3. Simplification of our complex cases with Face, White and Pink
4. Use of today's technology and material selections

About the Speaker:

As a nature educator, Mr. Pizzi has found an easy transition into the clinician/technician lecture circuit. His expertise in the diagnostic evaluation process and all phases of biomechanics, fixed, removable and restorative, ceramics, implantology, muscle function, mandibular physiology, and photography have made him a source of knowledge and motivation for his peers to draw from. Mr. Pizzi currently lectures nationally and internationally to both technicians and clinicians to improve the team concept of dentistry. Case evaluation, material options and the esthetic functional needs of each patient needs to be our strength for a successful outcome and our patient success.

Mr. Pizzi is a member of the American Academy of Esthetic Dentistry, a Technical Fellow of the NGS Academy of Multidisciplinary Dentistry and a Board Member of the PROSEC (Progress in Science and Education with Ceramica). He is a graduate and recognized specialist and Mentor of the Kois Center for Dental Excellence as well as a Scientific Advisor to the Kois Center. He was the American College of Prosthodontics Technician of the year in 2018 and a Board Member of the Association of Master Dental Technicians (ASMDT).

Mr. Pizzi is a teacher and educator in the Master Dental Technician Program at New York University as well as on the faculty, NYU School of Dentistry International Esthetics Program.

XTX Talk: An Interactive Session with Richard B. Smith, DDS, Moderator

With the evolution of the NGS AMD to a true multidisciplinary organization, a new perk of membership is access to XTX, or Cross-Treatment Talks. XTX Talks are treatment planning style seminars conducted several times per year in a virtual format and are intended to reflect the current trend of cross-discipline education and team dentistry. Patient treatments are presented and attending members from various specialties are invited to collaborate on how they would treatment plan and execute the cases

The program will be devoted to giving members and guests a look into a live XTX-style treatment planning seminar. In addition to hearing the speaker give his/her scheduled presentation, everyone can participate with the speaker as he/she presents and reviews patient treatment. With Dr. Richard Smith, we'll get insight into how this highly skilled and knowledgeable dentist approaches a complex, multi-disciplinary treatment with his own specialist perspective. After the case has been discussed by him we will open up the floor to questions. Audience participation will be encouraged.

The objective of the presentation is the same as that of the NGS AMD as a whole: high-quality educational content in a supportive and collaborative environment.

About the Moderator:

Dr. Richard Smith received his dental degree from the New York University College of Dentistry. After completing a general practice residency at Booth Memorial Medical Center, he earned a specialty certificate in prosthodontics from NYUCD's Postgraduate Advanced Education Program in Prosthodontics. He returned to NYUCD obtaining a unique level of training as a Fellow in the Postgraduate Implant Surgical Program. He is a former Associate Clinical Professor in the Department of Periodontics and Implant Dentistry at NYUCD, and the former director of the Periodontal-Prosthetics residency program at New York Hospital Queens. Dr. Smith also served as an Associate Clinical Professor at the Columbia University College of Dental Medicine in the Department of Prosthodontics, where he taught postgraduate Prosthodontics and Implant Dentistry. He continues to lecture, locally, nationally and internationally, and has had numerous articles, including his original research, published in the dental literature. Dr. Smith maintains a private specialty practice along with his partners at SDNY Dental in midtown Manhattan.