



## FALL SCIENTIFIC SEMINAR

Friday, September 30, 2022  
Pier Sixty, Chelsea Piers, New York City

**Speaker: Jay M. Neugarten, DDS, MD**

### *“Managing the Face in Space Using Digital Technologies”*

Dental cone-beam computed tomography (CBCT) is arguably the most important advancement in oral and maxillofacial radiology. Currently, patient CBCT scans and intraoral scanning can be superimposed using various software programs. This enables quick diagnosis and treatment planning for our patients. Virtual surgical planning (VSP) in oral maxillofacial surgery facilitates diagnosis, treatment planning, and evaluation of treatment outcomes of dentofacial deformities and is essential for digital transfer methods such as computer-aided designed and manufactured (CAD/CAM) splints, customized plates with cutting and drilling guides, and navigation. In this presentation proper diagnosis and treatment planning preserves quality of life and lifelong prognoses.

### **Course Objectives:**

- Understand diagnosis of management of skeletal facial deformities in the digital environment
- Evaluate the airway from the neonate to adult and understand treatment modalities to address obstructive sleep apnea
- Understand orthognathic surgery using a personalized platform and patient specific plates, guides and treatment solutions.

### **About the Speaker:**

Dr. Jay Neugarten is a graduate of the Columbia University School of Dental and Oral Surgery. He completed his residency in Oral and Maxillofacial Surgery at North Shore University-Long Island Jewish Medical Center and earned a medical degree from the Stony Brook School of Medicine. Dr. Neugarten is a fellow of the American College of Surgeons. He is an associate clinical professor at both New York Hospital Cornell-Weil Medical Center and North Shore University-Long Island Jewish Medical Center. He is a nationally and internationally known specialist in oral and maxillofacial surgery, whose areas of expertise include complex implant and bone-grafting construction, corrective jaw surgery and distraction osteogenesis, from the neonate to the adult.

Dr. Neugarten has published numerous articles and lectured nationally and internationally on various maxillofacial topics related to orthognathic surgery, airway management and implant reconstruction.

**Speaker: Manal Ibrahim-LaVacca, DDS**

***“Complex Prosthodontics and Aligners”***

Orthodontic treatment planning can be tricky, especially if the patient has a lot of prosthetic and reconstructive needs. In addition, skeletal and dental discrepancies have to be carefully managed to ensure long-term success for the patient. This presentation will review how an orthodontist can create a predictable and realistic collaborative plan that is easy to communicate, and allows for all of the prosthodontists goals to be accomplished.

**Course Objectives:**

- Review predictable multi-disciplinary, digital treatment planning
- Discuss space planning for missing teeth and restorations
- Review limitations of outcomes due to skeletal discrepancies
- Provide an overview of how aligner treatment can meet prosthodontic goals

**About the Speaker:**

Dr. Manal Ibrahim-LaVacca is a Diplomate of the American Board of Orthodontics and a dual-trained specialist in both Orthodontics and Prosthodontics. She founded Innovative Orthodontic Centers; with two locations in Illinois, and also Innovative Dental Partners providing specialty dentistry for families with the highest level of technology. Dr. Ibrahim received her Doctor of Dental Surgery and Advanced Combined Prosthodontic Degrees from the University of Illinois where she currently serves as a clinical faculty member in the Department of Orthodontics. She also received a Degree in Orthodontic and Dentofacial Orthopedics from the New York University.

As an Invisalign top 1% Diamond Plus Provider, she has treated over 4000 patients of all ages with a variety of complex dental needs with Invisalign. Dr. Ibrahim-LaVacca is also a Key Opinion Leader/ advisor for Align Technology, Dentsply Sirona, and Dental Monitoring and enjoys implementing a technology-driven approach in her practice with virtual and digital orthodontics.

Dr. Ibrahim-LaVacca has lectured extensively both nationally and internationally and has authored many articles for the last 30 years. Her commitment to providing an exceptional patient experience has earned her recognition as the “Best Dentist in Naperville” the location of her practice, for 15 consecutive years! She has also been recognized for her leadership as a “power player” shaping the Chicago Western suburbs with her expertise and influence. She has been featured numerous times on television, radio and print publications regionally, and has been recognized as one of the top women entrepreneurs in Chicago as she continues to pour her passion of orthodontics and prosthodontics into her community.

**Speaker: Mariano Polack, DDS. MS**

***“Material Selection and Complications in Full-Arch Fixed Implant Rehabilitations”***

The fixed rehabilitation of fully edentulous implant patients can be a demanding task. In particular, the selection of restorative materials can be confusing for clinicians given the number of new and previously existing options available. Since technology often outpaces research, making an evidence-based choice may not always be possible. However, clinicians are forced to make a decision with the aim of providing predictable, long-lasting outcomes for their patients. This presentation will focus on the material selection for fixed full-arch implant rehabilitations.

Advantages, disadvantages, and potential complications of various restorative options and materials will be discussed. Emerging technology that will simplify full-arch implant treatment will also be addressed. Areas where scientific evidence is lacking, and an educated guess may be necessary will be highlighted in order to provide clinicians with tools that will facilitate material selection for these challenging clinical cases.

### **Course Objectives:**

At the end of this presentation the viewer will be able to:

- Identify factors to consider in the material selection for full-arch fixed implant restorations
- Describe advantages, disadvantages, and common complications of various material types
- Recognize areas where scientific evidence is lacking in this process
- Identify information that will help support an educated guess to select certain restorative materials

### **About the Speaker:**

Dr. Mariano Polack received his dental degree in 1995, and his specialty training in Prosthodontics and Master of Science degree from the University of Minnesota in 2000. Since then, Dr. Polack has been in private practice limited to prosthodontics in northern VA. Between 2002 and 2004, he was a guest researcher at the Ceramics Division of the National Institute of Standards and Technology where he was involved in several research projects on dental ceramics. Dr. Polack has published more than 40 abstracts and papers on prosthodontics and dental materials in various scientific journals, and lectures both nationally and internationally.

### **Speaker: Charles Banh, BS**

#### ***“Possibilities and Limitations in the Digital Full Arch Implant Workflow”***

This presentation will compare and contrast the analog workflow versus the digital workflow for full arch hybrid restorations. Different scanning modalities will be analyzed for accuracy using recent literature and we will also identify the central problems in the digital workspace from surgery to the final restoration.

### **Course Objectives:**

- Justify the use of 3D imaging in dentistry
- Be familiar with current technical advances in CBCT hardware and software
- Understand Imaging Artifacts
- Use contemporary 3D imaging navigation techniques to minimize interpretation time and maximize diagnosis
- Recognize 3D anatomy of the maxillofacial complex
- Integrate information presented in this course into efforts to improve the imaging skills of the participants

## **About the Speaker:**

Mr. Charles Banh graduated from the University of California, Berkeley with degrees in microbiology and chemistry. He joined Anatomage in 2009 as the first sales representative and was eventually appointed director of sales and was responsible for all global activities. During this time he lectured around the country regarding cone beam CT and guided surgery. Mr. Bahn later joined BIOMET 3i for several years before moving to Oregon to take over Ceramics West Dental Lab along with his wife Esther. Mr. Banh was a recipient of the 2020 Academy of Osseointegration Student Foundation Award for his case study on scanning anterior implants and in 2021 was named one of the top 40 lab technicians in the country under the age of 40 by LMT Magazine.

Mr. Banh has published numerous articles in Implant Practice and Implant Tribune and is a denturist candidate for the boards.

## **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 scheduled presentation, everyone can participate with the speaker as he 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 Speaker:**

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.