



## Spring Scientific Seminar

Friday, May 12, 2017

Pier Sixty, Chelsea Piers, New York City

### CELEBRATING FIFTY YEARS!!!

**Speaker: Heike Kraemer, DrMedDent, MSc**

**“Contemporary Diagnostics for Predictable Treatment of Complex Rehabilitations”**

In order to treat complex cases predictably, comprehensive diagnostic information is essential. Unfortunately, this fact is too often ignored in dentistry. The primary focus in most treatment planning is towards dento-facial esthetics, and to static occlusion. However, the understanding of dynamics and how it directly relates to the set-up of teeth is the key factor for predictable treatment. Collected diagnostic information must be linked to the actual treatment steps in order to be of relevance and to make clinical sense. With this approach, functionally stable and esthetically excellent results can be easily achieved in complex rehabilitations.

Course Objectives:

- Skeletal related versus tooth related diagnostics and treatment planning
- Functional determinates of the masticatory system
- Correlation of the functional system to the setup of teeth and the inclination of the guidance system

*About the Speaker:*

Dr. Heike Kraemer graduated from the Medical University of Hiedelberg, Germany, with a degree in dentistry in 1989. In 2006, after practicing dentistry for over 16 years in private practice, she joined Professor Rudolf Slavicek as his prosthodontist and as a researcher in the center for Cranio-Mandibuler-Disorders in Vienna and as his teaching assistant for postgraduate dental education at the Danube University in Krems, Austria.

Since 2007, Dr. Kraemer has been on the faculty of the Interdisciplinary Dental Education Academy – IDEA – in the San Francisco Bay area, teaching courses on Oral Rehabilitation of Patients With and Without Functional Disorders. She is also a member of the Interdisciplinary Team at the IDEA Faculty Clinic. In 2014, Dr. Kraemer founded, together with Professor Sadao Sato and Dr. Robert Lamb, the Interdisciplinary Center for Craniofacial and Occlusion Medicine.

Her treatment approach is based on comprehensive, minimally invasive, functional dentistry within an interdisciplinary concept. Periodontics and Orthodontics are the fundamental cornerstone of her Functional/Esthetic Oral Rehabilitations.

**Speaker: Paulo Kano, CDT, DDS**

**“Skyn Concept”**

Skyn Concept is a new way to make ceramic restorations. A concept which combines predictability and practicality by replicating the natural teeth morphology. It can be applied in different restorative needs. The use of CAD/CAM technology allows one to extract with maximum precision, quality and speed.

Developed by Paul Kano and Livio Yoshinago, the Skyn concept enables the reduction of important laboratory steps, dispensing the wax-up to create mockups, the diagnostic wax-up and the hard work to replicate the morphology manually. With this method, it is possible to make veneers, crowns or a full rehabilitation of a mouth fully individualized and personalized for each patient. Considering that the nature is lush in the morphology, the use of these allows the confection of the restorations aligned in endless possibilities. Furthermore, the preformed dental sculpture enables the exact position of an incision when used in periodontal plastic surgery. Therefore, it can be utilized as surgical and preparation guides.

With this method, it is possible to achieve high levels of functionality and esthetic excellence

Course Objectives:

At the end of the lecture, participants will be able to:

1. Appreciate how CAD-CAM technology can be used to enhance restorative outcomes
2. Gain insight into how pre-prosthetic planning in a digital environment impacts the definitive restorative results
3. Understand how these applications are utilized from the single crown through full arch reconstruction

*About the Speaker:*

Dr. Paulo Kano graduated as a dental technician in 1974 and received his DDS degree in 1988. After receiving his degree, his interests evolved to esthetics, implantology and soft tissue rehabilitation. He eventually founded the Paulo Kano Institute where he has taught over 3,000 students. His book, 'Challenging Nature' has been edited by Quintessence and translated into five languages.

Known as a revolutionary in his field, shifting the focus from artificial to natural esthetics, he is considered the founder and most important developer of the SKYN concept (a CAD/CAM Anterior Esthetic concept formerly known as AST).

Dr. Kano lectures internationally on SKYN and Dental Esthetics and continues to teach and practice in his private dental clinic in São Paulo, Brazil.

**Speaker: Dennis P. Tarnow, DDS**

**“Controversies in the Prosthetic and Surgical Management of Extraction Sockets: What We Know, What We Think We Know, and What we Still Have No Idea About”**

Immediate placements of implants into extraction sockets is an exciting treatment alternative for our patients. However, there are many potential short and particularly long term risks which the practitioner must be fully aware of. This presentation will focus on the potential problems and benefits, both clinically and biologically, when the choice of immediate socket placement is made for single and multiple sites.

Course Objectives:

Upon completion of the presentation participants should be able to:

- Identify what type of healing takes place against the implant in immediate socket placement
- Know how to minimize recession with immediate provisionalization
- Know the proper crown contour for immediate provisionals
- Know if the gap distance really matters
- Know if primary closure should be attempted or should it be left open
- Know if membranes should be utilized
- Know what type of graft material, if any, should be utilized
- Identify what are the potential short and long term risks involved with immediate placement of implants

*About the Speaker:*

Dr. Dennis Tarnow is currently Clinical Professor of Periodontology and Director of Implant Education at Columbia School of Dental Medicine. He is the former Professor and Chair of the Department of Periodontology and Implant Dentistry at New York University College of Dentistry. Dr. Tarnow has a certificate in Periodontics and Prosthodontics and is a Diplomate of the American Board of Periodontology. He is a recipient of the Master Clinician Award from the American Academy of Periodontology, Teacher of the Year Award from New York University and Distinguished Lecturer Award from the American College of Prosthodontists in 2015. Dr. Tarnow has a private practice in New York City, and has been honored with a wing named after him at New York University College of Dentistry. He has published over one hundred fifty articles on perio-prosthodontics and implant dentistry and has co-authored three textbooks including one titled Aesthetic Restorative Dentistry. Dr. Tarnow has lectured extensively in the United States and internationally in over thirty countries.

# Granger-Pruden Award Winners

**Tatyana Baranovsky, DMD  
(Award Winner 2015)**

**“The Influence of Implant Angulation on the Locator Attachment Retention”**

The purpose of the research was to determine further changes in retentive values and wear of overdenture attachments supported by two implants placed at different angulations after 10,000 pulls.

Three testing groups mimicking set-up of two-implant-supported mandibular overdenture with implants placed at different divergent angulations (0, 10, 20 degrees) were tested in cycling load. Full color range of Locator patrices (Locator patrices: clear, blue, pink; Extended range Locator patrices: green, red, yellow) were tested in 10,000 insertion-removal cycles. Initial, residual and final retention were tested in UTS machine. Qualitative analysis of abutment wear patterns (occlusal and lateral orthogonal views [mesial, distal, buccal, lingual]) were explored under SEM before and after cyclic loading. Quantitative analysis of abutment surface composition was done using (DX-EDAX) energy dispersive x-ray spectroscopy.

The results of the previous preliminary study allowed calculation of the sample size and power for the present research protocol.

A significant reduction in retentive values of extended range Locator patrices shows that clinical use of extended range patrices should be more cautious.

Dr. Tatyana Baranovsky received her DMD from Lviv Medical University in Ukraine in 1999. She lived and practiced as a general dentist in Israel for 12 years.

Dr. Baranovsky received her Certificate in Advanced Education in General Dentistry and Prosthodontics at the University of Rochester Eastman Dental Institute for Oral Health. In 2016 she acquired Board Certification in Prosthodontics. She received multiple Research Grant Awards from prosthodontic societies such as the American College of Prosthodontics, New York Section, the Northeastern Gnathological Society, the America Association of Implant Dentistry and the American Prosthodontic Society.

Currently Dr. Baranovsky is Assistant Professor in Prosthodontics and Course Director at the University of New England in Portland, ME.

**Deep Parikh, BDS, MDS  
(Award Winner 2016)**

**“Rules of Engagement – Exploring the Validity of Engaging Connections in Implant FPDs”**

Prosthetic screw loosening still occurs in implant-supported restorations. For single crowns it is reported to be 13.7% and for implant-supported fixed partial dentures, 8.1% at five years.

An in-vitro study was conducted to evaluate the influence of engaging and non-engaging connections in a 3-unit implant supported fixed partial denture on screw loosening. Specimens with both engaging and non-engaging abutments were cyclicly loaded to generate an off-axis load on the denture and torque audits were assessed at regular intervals. Groups with three different combinations of engaging and non-engaging abutments were analyzed. The findings of the study support the value of engaging abutments to stabilize the implant-abutment connection.

**Course Objectives:**

- Understanding the use of an engaging connection in implant FPDs
- Using a more scientific acumen to choose a screw or cement retained restoration
- Ways to overcome the limitations of a cement retained restoration

Coming from a family of dentists, Dr. Deep Parikh followed that tradition and completed a Bachelor of Dental Surgery in India in 2011. He worked for two years in a private practice with a focus on treating prosthetic cases and implant dentistry. During this time he completed the Maxicourse from AAID and in 2016 received both a Certificate and Masters of Dental Science degree upon completion of a three year Postgraduate Prosthodontics program at Rutgers School of Dental Medicine. He has lectured at study clubs in the USA as well as in India. He has a special interest in the field of maxillofacial prosthetics, implant dentistry and traditional prosthodontics.

**FRANK V. CELENZA MEMORIAL LECTURE**

The Northeastern Gnathological Society is pleased to announce the third presentation of the Frank V. Celenza Memorial Lecture. Dr. Celenza dedicated his life to the pursuit of knowledge. He was an esteemed founder of this Society, a teacher, clinician, researcher, scientist, author, dear friend and mentor. Through the establishment of this lecture, the Society wishes to celebrate and commemorate the life and contributions of Dr. Celenza. The Frank V. Celenza Memorial Lecture Committee is committed to seeking those individuals who best exemplify the dedication and accomplishments of Dr. Celenza.

The NGS is proud that Dr. Dennis Tarnow is the third Frank V. Celenza Memorial Lecturer. Dr. Tarnow embodies all that Dr. Celenza believed in. His extensive CV and list of accomplishments attest to his knowledge, dedication and commitment to excellence. Dr. Tarnow is a Diplomate of the American Board of Periodontology. He is a friend and colleague to many in our organization.