“CURRENT CONCEPTS IN AMERICAN DENTISTRY: ADVANCES IN AESTHETICS AND ORAL REHABILITATION”

March 16-20, 2020 (Monday – Friday)

The NYUCD International Aesthetic Week is open to all dentists throughout the world. All programs are in English. When appropriate, translation from English to other languages may be provided. These special weeks (Monday thru Friday) often attract dentists from as many as fifteen countries. “Learn from the experts” thru lectures, group discussions, stimulating presentations emphasizing clinical success in private practice.

PROGRAM DIRECTOR:

Dr. Stephen CHU

Stephen J. Chu maintains an academic appointment as Adjunct Clinical Professor in the Ashman Department of Periodontology and Implant Dentistry and the Department of Prosthodontics at New York University College of Dentistry. He also has a private practice in fixed prosthodontics, esthetic, and implant dentistry in New York City. Dr. Chu has published over 70 articles in the dental literature and has given lectures nationally and internationally on the subjects of esthetic, restorative, and implant dentistry. Dr. Chu is the executive editor of Compendium and the recipient of several professional dental awards.

Monday, March 16, 2020
9:00 a.m. – 4:00 p.m.

Dr. Daniel EDELHOFF

Daniel Edelhoff is currently Director and Chair at the Department of Prosthetic Dentistry at the University Hospital, LMU in Munich. He is board certified Specialist in Prosthodontics and member of the advisory board of the German Society Dental Prosthetics and Biomaterial Sciences (DGPro) as well as Active Member of the European Academy of Esthetic Dentistry (EAED). Since 2014 he is Section Editor of the multidisciplinary international research journal Clinical Oral Investigations and in 2016 he became the President of the German Association of Dental Technology (ADT).
The treatment options in fixed prosthodontics have significantly changed in the last decades. Mainly three developments have strongly influenced these changes.

First, minimally invasive treatment options have become increasingly feasible in restorative dentistry, due to the introduction of the adhesive technique in combination with restorative materials featuring translucent properties similar to those of natural teeth. Mechanical anchoring of restorations via conventional cementation as a predominantly subtractive treatment approach is gradually being superseded by a primarily defect-oriented additive method.

Secondly, modifications of conventional treatment procedures have led to the development of an economical approach in regard with the removal of healthy tooth structure as the planned treatment outcome is defined in a wax-up before the treatment is commenced and this wax-up is subsequently used as a reference during tooth preparation.

Thirdly, the introduction of digital technology delivers not only important additional features and information including 3D-pictures for analysis, diagnostics, communication, design of restorations, treatment planning and reproducibility. Also the CAD/CAM-process enabled more standardization in fabrication for improvements in material quality, as well as the access to new material types with interesting innovative treatment options for the pretreatment period and definitive restorations.

This presentation demonstrates the principles of advanced treatment concepts and strategies and discusses the role of digital technology in the context of modern prosthetic dentistry.

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**Dr. Jorge de SÁ BARBOSA**

Dr. Jorge obtained his DDS from the UNIMES Dental School and earned his MDS in Prosthetic Dentistry from Taubaté University Dental School in 2007 in São Paulo, Brazil. In 2015, Dr. Jorge also obtained his PhD through the Oral Diagnosis Program at USP (Universidade de São Paulo). Dr. Jorge is a Professor and Consultant at OdontoNYC, a continuing dental education program, since 2017. Since 2007, Dr. Jorge has been the Coordinator of the Department of Prosthetic Dentistry Postgraduate Program of UNIMES Dental School. Dr. Jorge has maintained a multidisciplinary practice since 1998.

**Dr. Wagner Ferreira do NASCIMENTO**

Dr. Wagner earned his DDS from UNESP (Universidade do Estado de São Paulo) in 1995 and obtained his MDS in Prosthetic Dentistry from USP (Universidade de São Paulo) in 2003. Dr. Wagner is also a Professor and Consultant at OdontoNYC, a continuing dental education program, since 2017. Since 2007, Dr. Wagner has been the Professor at the Department of Prosthetic Dentistry Postgraduate Program of UNIMES Dental School. He maintains a multidisciplinary practice in the city of Santos, São Paulo-Brazil.

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"The Advantages of Digital Dentistry: How to Use All of Them"

(12:00 noon – 1:00 p.m.)

(2:00 p.m. – 4:00 p.m.)

The development of digital tools for dentistry, from the beginning of CBCT systems to recent advances in CAD/CAM technology, including intraoral scanning, have significantly changed the way dentistry had been practiced in dental offices, making treatments faster and easier. The aims of this presentation is to show a step-by-step use of current digital resources to optimize time and results in oral rehabilitation.

Objectives:

- Demonstrate simple tools to design a 2D planning to facilitate a 3D planning CAD
- Show a simple way to get important data such as intraoral and face scanning
- How to validate 3D planning right in the patients mouth
- How to use this data
- How to use this data to execute treatments such as dental implants, veneers, fixed and removable partial and total dentures using digital workflow.
Dr. Tal MORR
Dr. Tal Morr received his DMD degree from Tufts University School of Dental Medicine. He completed a three-year postgraduate prosthodontic program at the University of Washington dental school where he received a certificate in prosthodontics and an MSD degree. Currently, Dr. Morr maintains a private practice dedicated to esthetics and complex prosthetic reconstruction. He has lectured frequently both nationally and internationally, and is a published author on various topics such as esthetic dentistry, complex prosthetic rehabilitation, porcelain laminate veneers and implants. He also a member of numerous professional organizations such as the American College of Prosthodontics, The American Academy of Esthetic Dentistry and The American Academy of Restorative Dentistry as well as local study clubs.

“Treatment Planning, Interdisciplinary Vs. Conventional Restorative Treatment and Material Selection. Understanding the Options!”

When patients present to the dentist in need of an esthetic and functional rehabilitation, most if not all want the easiest path of treatment, the least pain, and the shortest time of treatment possible. Nobody presents the office desiring Orthodontics or Orthognathics as part of a comprehensive plan. Managing each patient with restorative and surgical intervention only can lead to dire consequences and huge compromises in the structural, biological, functional, and esthetic results of the case. It is imperative that we as the restorative dentist understand the ideal options for treatment, present the ideal options, and determine if a compromised plan is acceptable or not. It is also important to understand the materials and techniques that are available today as well as the advantages and limitations of each. A thorough breakdown of the thought process in making the right choice will be addressed.

Objectives:
- Treatment planning considerations: Esthetic, Functional, Structural and Biologic Principles
- Decision Making for conventional and surgical management vs true interdisciplinary treatment
- Digital vs Analog techniques: When to use what, why, and how. Advantages and limitations will be discussed.
- Prosthetic Management of the adolescent partially edentulous patient.

Dr. Effrat (Effie) HABSHA, BSc, DDS, Dip. Prostho., MSc, FRCDC
Dr. Effie Habsha received her Bachelor of Science degree and earned her DDS degree from the University of Toronto. Upon graduation, she completed a one-year General Practice Residency at Mount Sinai Hospital in Toronto, ON. Dr. Habsha received her Diploma in Prosthodontics and Master of Science degree, both from the University of Toronto. She is a Fellow of the Royal College of Dentists of Canada (RCDC) and is an examiner and Section Head for the Oral Examination in Prosthodontics for the RCDC. Dr. Habsha is an Adjunct Assistant Professor at the Department of Dentistry, Eastman Institute for Oral Health at the University of Rochester Medical Center. She has served as an Assistant Professor at the University of Toronto and currently instructs both at the undergraduate and graduate level in Prosthodontics at U of T.
Dr. Habsha is a Professor at George Brown College of Applied Arts and Technology and is the On-staff Prosthodontist at MedCan clinic in Toronto. She holds an appointment as Staff Prosthodontist at Mount Sinai Hospital where she instructs the dental residents and is involved in various clinical research projects. Dr. Habsha is an Associate Fellow of the Academy of Prosthodontics and Greater New York Academy of Prosthodontics and a Fellow of The Pierre Fauchard Academy and holds memberships in numerous Prosthodontic organizations and societies. She lectures both nationally and internationally on various Prosthodontic topics and maintains a private practice limited to Prosthodontics and Implant Dentistry in Toronto.

“Navigating the Maze of New Technologies and Materials: Keys to Predictable & Aesthetic Outcomes”

The aim of Prosthodontic Rehabilitation is to provide the patient with functional and aesthetic restorations. New materials and technologies are continually being developed and introduced into the marketplace. The practitioner is often faced with the difficult task of deciphering between available products and treatment workflows. The aim of this presentation is to help navigate through the choices. Key insights in achieving predictable and aesthetic outcomes with partial and full coverage restorations will be outlined as well as the required interdisciplinary communication between the dentist, specialist and laboratory technician.

Digital technology is changing the way clinicians practice. While the latest digital tools offer new and different workflows compared to conventional techniques, it is imperative that clinical efficiency and restoration accuracy not be compromised. This presentation will provide a practical and pragmatic overview of the digital tools and technologies used in a modern prosthodontic practice. The use of intra oral scanners and workflow required for simple reconstructions to comprehensive full arch rehabilitations in both conventional and implant-based applications will be presented. Some of the challenges, limitations and inefficiencies encountered utilizing new technologies will be described.

Objectives:
- Treatment planning and interdisciplinary communication
- Clinical workflow for partial and full coverage restorations
- A comprehensive review of current dental ceramics, impression materials and cements
- Demonstrate the utilization of digital technology in implant surgery and Fixed Prosthodontics
- Provide an overview of the digital workflow required in comprehensive fixed reconstructions

Thursday, March 19, 2020
9:00 a.m. – 4:00 p.m.

Dr. Abdi SAMENI
Dr. Abdi Sameni, Clinical Associate Professor of Dentistry at Herman Ostrow School of Dentistry of USC, is the chairman and developer of the “USC International Restorative Dentistry Symposium.” He is a former faculty for the “esthetic selective” and the former director of the USC Advanced Esthetic Dentistry Continuum for the portion relating to indirect porcelain veneers. Dr. Sameni lectures nationally and internationally. He is a member of The American College of Dentists, OKU National Dental Honor Society and the Pierre Fauchard Academy. Dr. Sameni maintains a practice limited to restorative dentistry in West Los Angeles, California.

6th Floor Nagle Auditorium
Lunch Break: 12:00 noon – 1:00 p.m.
The young and intact natural tooth displays an intimate interplay between enamel, a rigid “crystal” like structures, and dentin, a flexible “plastic” like structure. As patients get older, decay, erosion, fractures and frictional wear are the primary diseases that disturb and destroy this delicate balance. Once this balance is compromised, the integrity of the natural tooth is adversely affected, often to the point of requiring restorative or esthetic treatments. Until fairly recently, all available restorative techniques and materials, required further tooth removal as part of the treatment. Direct restorations required mechanical retention via retentive undercuts and indirect restorations required healthy tooth removal for fixed restorations. In many instances, the cure resulted in further damage; loss of pulp vitality, cuspal fractures, and periodontal inflammatory diseases secondary to subgingival restorative crown margins are some examples.

The objective of this course is to review and present different treatment options that are available to restore the damaged tooth with minimal or no further reduction of the remaining healthy tooth structure using adhesive concepts and materials. A biomimetic approach will be discussed and demonstrated through various clinical cases. At the conclusion of this thought provoking presentation, the participants will become familiar with concepts that will challenge traditional concepts for restorative care. This paradigm shift will ultimately result in safer, more conservative therapies, which respect and reproduce the natural tooth’s biomechanical, functional and esthetic properties more closely than ever before.

Objectives:
- Learn biologically respectful treatment planning – the biomimetic principles
- Learn smile design principles from nature not formulas
- Learn principles of intervention – the medical model for dentistry
- Learn the many uses and applications for composite resins
- Learn to combine composite and porcelain restorations to preserve and protect the intact tooth
- Learn new approaches and applications for bonded porcelain restorations

Friday, March 20, 2020
9:00 a.m. – 12:30 p.m. 6th Floor Nagle Auditorium

Dr. Keng Mun WONG
Dr. Wong completed his BDS degree at the National University of Singapore. His outstanding academic and clinical performance won him 2 university awards: the FAC Oehlers Gold Medal and Terrell Silver Medal. Dr. Wong received specialized training in prosthodontics, which involves three years of post-graduate education and earned his Master’s degree MSD and Certificate in Prosthodontics at the University of Washington, USA.

He is a member of numerous professional organizations. He is Affiliate Assistant Professor at the University of Washington, USA; Visiting Senior Lecturer at the National University of Singapore. His practice focuses in all areas of restorative care including Aesthetic dentistry, full mouth reconstruction, fixed, removable and implant prosthodontics.

“Complex Oral Rehabilitation involving Dental Implants and Natural Teeth: Aesthetic and Functional Management”

It is always a challenge when a restorative dentist restores a full mouth rehabilitation patient. Many clinical factors must be considered when treating such cases. These factors can be classified into aesthetics, function, structure and biology. With the advent of dental implants and the introduction of new digital technology and software, many more treatment options and possibilities are available. Together with traditional treatment approach, it can be very confusing for the restorative dentist to decide what to do from start to end.

This lecture will cover
1. Diagnosis and aesthetic treatment planning
2. Treatment options and prosthetic designs
3. Step by step treatment sequence
4. Functional and structural treatment planning
5. Partial extraction therapy
6. Full edentulous implant planning and prosthetic designs
7. Pro arch vs All-on-4