

## DEPARTMENT OF ENDODONTICS 10TH ANNUAL ALUMNI CONFERENCE ENDODONTIC MICROSURGERY

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| <b>Speakers:</b> | <b>Sashi Nallapati, BDS,<br/>Ali Fakhry, DMD, MS, FRCD(C)<br/>Stephen Niemczyk, DMD,<br/>George Bruder, DMD</b> |
| <b>Format:</b>   | <b>Lecture</b>  |
| <b>Date:</b>     | <b>Friday &amp; Saturday, February 22-23, 2013</b>  |
| <b>Time:</b>     | <b>8:30 AM Registration (Continental Breakfast)<br/>9:00 AM – 4:00 PM Presentation (Lunch Included)</b>         |
| <b>Tuition:</b>  | <b>\$ 595 (2 Days)</b>  |
| <b>Credit:</b>   | <b>10.5 Hours</b>   |
| <b>Code:</b>     | <b>022213SN</b>   |
| <b>Audience:</b> | <b>Dentist, Dental Specialist</b>   |



**Dr. Sashi Nallapati** obtained his dental degree from the Govt. Dental College and Hospital, Hyderabad, India and his post graduate training in the specialty of Endodontics from Nova Southeastern University (NSU), Davie, Florida, USA. After graduation, he set up a quality centered endodontic practice in

Kingston, Jamaica where he is currently in full time private practice. He is a specialist member of the American Association of Endodontists (AAE) and a member of Jamaica Dental Association. He serves on the faculty of Nova Southeastern University, college of dentistry as a visiting associate professor in the Dept. of Endodontics where he teaches post graduate residents.

Dr. Nallapati is the founder of Kingston Study Club (KSC), the first study club in dentistry in Jamaica with a mission to promote interdisciplinary approach to Dentistry. KSC organizes continuing education courses for members of Jamaica Dental Association by bringing world renowned clinicians to the shores of Jamaica.

Dr. Nallapati authored several clinical articles in endodontics that were published in both peer-reviewed and clinical journals. He lectures across the globe on various topics in endodontics. He was invited to speak by many national endodontic societies, the European society of Endodontics and the American Association of Endodontics. Dr. Nallapati is an avid yoga practitioner and in his free time likes to travel to different parts of the world.

### **Topic: "CBCT in Root Canal Anatomy and Differential Diagnosis"**

From diagnosis and treatment planning to treatment execution, endodontics can be stressful. Taking accurate history and performing the necessary tests will help in the diagnostic process. Nonetheless, often, one is left wondering if the right diagnosis was made and if the treatment proposed was the correct one. Even more often, the treatment execution can be unpredictable due to the complexity of the case, e.g. complex anatomy. Cone Beam CT scan is the new addition to the technological advances in endodontics. With the assistance of 3-D imaging, can we now diagnose our patients better? Will CBCT help in the execution of complex endodontic treatment? These are questions that every endodontist would like to ask before investing in such technology. With the help of clinical cases this presentation shares the use of CBCT and its limitations in diagnosis and treatment of complex case scenarios in a modern endodontic practice.

### **Educational Objectives/Benefits to Attendees:**

- Role of CBCT in identifying complex anatomy
- Role of CBCT in the execution of treatment in complex anatomy cases
- Role of CBCT in diagnostically challenging cases



**Dr. Ali Fakhry** received his dental degree from the University of Montreal in 1992. He then completed a dual training in Periodontics and Prosthodontics at the University of Pennsylvania and a Master's Degree in Oral Biology in 1999. Dr. Fakhry is currently an Associate Professor at McGill University, Faculty of Dentistry. He is the Director of the General Practice Residency Program and the Chair of the Continuing Dental Education Program at the same institution. Dr. Fakhry maintains a part-time private practice limited to Periodontics and Prosthodontics in Montreal.

Dr. Fakhry is a Diplomate of the American Board of Periodontology, the American Board of Oral Implantology, and a Fellow of the Royal College of Dentists of Canada. He is the recipient of several teaching awards, including the 2007 American Academy of Periodontology Educator's Award. In addition to his academic commitments, Dr. Fakhry is a regular speaker at national and international conferences with programs focusing on the multidisciplinary approaches to implant and aesthetic dentistry as well as microsurgery

### **Topic: "Aesthetic Principles of Soft Tissue Management"**

This presentation reviews the fundamentals of soft tissue management in microsurgery. Emphasis will be placed on achieving optimal soft tissue healing using microsurgical principles. Topics covered include principles of wound closure and patterns of tissue healing, flap and incision designs aimed at reducing scars as well as microsuturing techniques and microsurgical armamentaria aimed at optimizing wound healing.

### **Educational Objectives/Benefits to Attendees:**

- Understand the basic principles of microsurgical soft tissue management
- Define the various wound closure and tissue-healing patterns
- Describe scar-reducing approaches to soft tissue handling



**Dr. Niemczyk** graduated from the University Of Pennsylvania School Of Dental Medicine, receiving his D.M.D. in 1982 and his postgraduate Endodontic certificate in 1984. He was appointed Clinical Assistant Professor in the Department of Endodontics

in 1984, and established a private practice limited to Endodontics in Drexel Hill, PA. He lectured extensively within the SDM at the undergraduate and postgraduate levels, directed the pre-clinical endodontic laboratory and was later named to the full time position of Director of Undergraduate Endodontics. Dr. Niemczyk also served as the interim Post Graduate Director and Endodontic Clinic Director during his tenure at the SDM. He was the first director of the laboratory portion of the two-day Microscopic Endodontic Surgery Course, the first university-based

course of its kind in the U.S. He was the recipient of many awards, including consecutive Earl Banks Hoyt Awards for Academic Teaching Excellence. Since 1995, Dr. Niemczyk has been the Director of Endodontic Microsurgery at Harvard University in Boston, MA and Albert Einstein Medical Center in Philadelphia. He also serves as a surgical consultant to the Postgraduate Endodontic Program at the National Naval Medical Center in Bethesda, MD., the U. S. Army Endodontic Residency Program in Fort Gordon, GA. and is an adjunct Lecturer and Mentor at The Scottsdale Center for Dentistry.

Dr. Niemczyk has lectured extensively in the U.S., Central America, Europe and Asia on topics ranging from Microsurgery and Intentional Replantation to advances in Non-surgical Endodontics and Cone-Beam CT use in Endodontics. . He has authored numerous papers, a chapter on Microsurgery in Dental Clinics of North America, and is the founder of Endodontic Microsurgical Innovations. He is a member of the Pennsylvania and New Jersey Dental Associations, American Association of Endodontists, Delta Sigma Delta Dental Fraternity and numerous study clubs, including the L.I. Grossman in Philadelphia and Edward C. Penick in Washington, D.C. (President, 2008-2009) He is a Diplomate of the American Board of Endodontics, and maintains a full time practice limited to Endodontics in Drexel Hill, PA.

**Topic: “Positioned for Success: the Surgeon-Patient-Microscope Dynamic”**

The incorporation of the Surgical Operating Microscope into the contemporary Endodontic surgical practice has elevated the precision and expanded the scope of the treatments now possible because it affords the practitioner an increased magnification of the field in concert with brilliant illumination. However, the transition to integration was not always a smooth learning curve, with positioning of the SOM relative to the operative field proving to be a major hurdle. This presentation will provide guidelines for effective implementation of the SOM, incorporating basic ergonomic principles, radiographic and CBCT pretreatment cues, procedure-specific positional variations and line of sight optimization for surgical procedures. It will also highlight suggestions for improved non-surgical visualization and adaptation.

**Educational Objectives/Benefits to Attendees:**

- Understand proper surgical ergonomics and its influence on performance.
- Understand the importance of “Virtual Surgery” in the pre-treatment assessment of access and positioning.
- Describe the changes in angulation and reflection and their influence on field visualization.
- Describe the techniques for enhancing the “line of sight” into the surgical and non-surgical fields.



**George A. Bruder, D.M.D.**, Dr. Bruder is Assistant Dean for Education and Information Technologies, Chair Division of Endodontics and Director of the Advanced Education Program in Endodontics at Stony Brook University School of Dental Medicine. Dr. Bruder is a Diplomate of the American Board of

Endodontics and the Coordinator of Micro-Endodontics and Endodontic Technologies in the Advanced Graduate Program in Endodontics at Harvard School of Dental Medicine. He was also awarded the 2012 Edward M. Osetek Educator Award from the American Association of Endodontists.

Dr. Bruder has lectured internationally and published numerous articles on Micro-Endodontics and Endodontic technologies and co-authored the chapter on non-surgical Micro-Endodontic Retirements with Dr. Robert R. White in the Color Atlas of Endodontics, by Dr. William Johnson.

**Description: “Endodontic Microsurgery”**

In this lecture, Dr. George Bruder will review surgical endodontic literature and techniques with special focus on diagnosing endodontically treated teeth that may be candidates for nonsurgical/surgical retreatment or implant therapy.

**Topics to be covered include:**

- Diagnosis
- Magnification & Illumination
- Retraction/Hemostasis
- Root end resection/preparation
- Root end filling/retention

**Educational Objectives/Benefits to Attendees:**

- Describe the metamorphoses that exist between old and current surgical techniques.
- Identify the biological aspects of surgical endodontics and discuss the prognosis of surgical endodontics.

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**DAY 2:**

**Dr. Ali Fakhry (Biography on page 19)**

**Topic: “Implant Therapy: Opportunities and Challenges”**

This lecture is designed to provide the dental team with valuable information and alternative treatment options to common clinical conditions facing the adult patient in need of dental implant therapy. Achieving predictable esthetics and function with implants can be challenging and requires a thorough understanding of the surgical and prosthetic intricacies. This presentation focuses on current fixed implant treatment philosophies and techniques for replacing natural teeth. Emphasis will be placed on how to achieve optimal results in the esthetic zone through the fine management of soft and hard tissues combined with proper restorative support.

**Educational Objectives/Benefits to Attendees:**

- Distinguish between cases appropriate for immediate vs. delayed implant placement
- Identify the indications for extraction site preservation and implant site augmentation
- Understand the surgical and restorative steps for achieving optimal esthetic outcomes

**NSU acknowledges with gratitude the support of**

