



NORTHEASTERN SOCIETY OF PERIODONTISTS BULLETIN

VOLUME 37, No. 1

SPRING 2008

SPRING MEETING • APRIL 11, 2008

New Horizons in Periodontics and Implantology

New York Marriott Marquis Hotel • 1535 Broadway, New York, NY

NESP educational programs traditionally have provided a podium for individuals in the forefront of periodontal research and clinical practice. Our program chair, Dr. Bruce Davidson, did not have to look far to find six of the most influential clinicians and academicians in the fields of periodontology and implant dentistry. Our panel of speakers, all NESP members with superb international reputations, has graciously consented to provide our members with a full day of dynamic presentations concerning their current research and state-of-the-art clinical techniques. Please join us for an exceptional day of learning and collegial interaction.

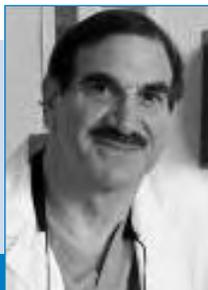
FRANK CELENZA, D.D.S., will present *Periodontal and Implant Interactions in Orthodontics*. The advent and success of implantology continues to transform dentistry. The inclusion of implants as integral components in orthodontic mechanotherapy is a

(CONTINUED ON PAGE 4)

8:00–8:30 A.M.	NESP Board of Governors' Meeting
8:00–9:00 A.M.	Registration, Exhibits and Coffee
9:00–9:50 A.M.	<i>Orthodontic Interactions in Periodontics and Implantology</i> Dr. Frank Celenza
9:50–10:30 A.M.	Coffee Break (Visit with our Exhibitors)
10:30–11:10 A.M.	<i>Sinus Augmentation Grafting: Yesterday, Today and Tomorrow</i> Dr. Stuart Froum
11:20 A.M.–12:10 P.M.	<i>Bisphosphonates: Facts and Fiction Five Years Later</i> Dr. Susan Karabin
12:10–1:30 P.M.	Lunch Luncheon for Learning Scopp Award—Dr. Barry Wagenberg
1:30–2:20 P.M.	<i>The Strategy of Vertical and Horizontal Bone Regeneration</i> Dr. Burton Langer
2:20–3:10 P.M.	<i>The Management and Mismanagement of Immediate Implants in the Esthetic Zone</i> Dr. Lauren Langer
3:10–4:00 P.M.	<i>Immediate Vs. Delayed Socket Placement: What We Know and Don't Know</i> Dr. Dennis Tarnow



Frank Celenza



Stuart Froum



Susan Karabin



Burton Langer



Lauren Langer



Dennis Tarnow

ADAC•E•R•P
CONTINUING EDUCATION RECOGNITION PROGRAM

PROVIDER CODE 05397-58

The NESP is a recognized ADA CERP provider.

Attendance at the meeting is open to all dues-paying members. Guests have to pay the required fee as stated in the program. No refunds are allowed. There is no cancellation policy for dues-paying members. Attendees will receive 7 CE credits for the spring 2008 meeting lectures.

NESP MEETING PLATINUM SPONSORS

NESP would like to acknowledge our Platinum sponsors

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whose additional educational grants have enabled this society to provide excellent programming and parallel functions to our membership.

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Graduate Student Research Forum

The Northeastern Society of Periodontists is pleased to announce its first annual Graduate Student Research Forum. All students enrolled in CODA accredited advanced education programs in periodontics located in the geographic region of the NESP are eligible for the competition.

Abstracts must be received on-line* by the NESP Research Forum Committee (RFC) by September 30, 2008. The abstracts will be evaluated according to the originality of the problem and hypothesis, experimental design, data collection, analytical methods, interpretation, significance of results and validity of the conclusions. The three students with abstracts having the highest scores will be invited as finalists to present during the Research Forum at the beginning of the Scientific Session of the Fall Meeting of the NESP. Each finalist will be given 12 minutes each to present his/her paper with three additional minutes for questions and answers. The presentations will be evaluated by the RFC and the winners announced during the meeting's luncheon.

The first place winner will receive a \$1,000 cash award and first place certificate. The two remaining finalists will each receive a \$500 cash award and an honorable mention certificate. One night's lodging at the meeting's venue, the Marriott Marquis Hotel, will be provided by the NESP for the three finalists.

Thank you in advance for your co-operation and we look forward to the submission of abstracts. Should you have any questions, read the instructions below or contact Dr. Stuart J. Froum (dr.froum@verizon.net) or Dr. Vincent J. Iacono (vincent.iacono@stonybrook.edu) who are Co-Chairs of the Research Forum Committee. The on-line application can be accessed below.

Sincerely,

Wayne A. Aldredge, D.M.D.
Membership Chair
Member, NESP Graduate Student Research Forum
Committee

NESP GRADUATE STUDENT RESEARCH FORUM COMMITTEE

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Dr. Vincent J. Iacono (Stony Brook University),
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Dr. Steven P. Engebretson,
(Stony Brook University)
Dr. Joseph Fiorellini, (U Penn)
Dr. Gary Greenstein, (Private Practice)

Content

- Abstracts describing new and significant information covering all aspects of periodontics are welcome.
- Only original materials may be submitted; abstracts may not have been previously published.
- Submissions must be formatted to fit within the following four areas and are limited to the number of character counts listed below:
 - Background (character limit of 560)
 - Methods (character limit of 855)
 - Results (character limit of 750)
 - Conclusions (character limit of 910)

See website www.nesp.org for downloadable application.

The Graduate Student Research Forum is funded by an educational grant from Nobel Biocare.

New Members

The NESP welcomes the following new members:

Dr. Kathrine Mantzikos, Fresh Meadows, NY
Dr. Rebecca Orlick, Brooklyn, NY
Dr. Johnathan Tiger, Bergenfield, NJ

PROGRAM DESCRIPTION (CONTINUED FROM PAGE 1)

ticularly interesting application. Historically, orthodontics has played a preparatory role to implant placement by virtue of aligning teeth to permit proper special relations for implant placement. More recently, orthodontic modalities designed to alter tissue morphology, both hard and soft, have begun to be realized. In these two ways, orthodontic site preparation for implant placement has become an important modality to consider. Perhaps even more interestingly, orthodontic techniques that actually employ implants for the purpose of anchorage can have a dramatic effect on previously unattainable possibilities and outcomes. Implant-enhanced orthodontics can be achieved by a variety of methods, but can be broken down to direct or indirect anchorage. Various devices and applications of these modalities exist and are expanding continually. The ultimate extension of this thinking will be when implants that are designed specifically for orthodontic purposes – never destined to be restored, but rather to be explanted – are utilized strictly for orthodontic advantage. This technology exists presently, and the use of such devices promises to have dramatic impact on the practice of orthodontics, both in terms of new outcomes and the sequencing by which to achieve them.

Dr. Celenza is an associate clinical professor at New York University. He limits his practice in New York City to the specialties of periodontics and orthodontics.

LEARNING OBJECTIVES:

- **Gain an appreciation for tissue modifications that orthodontic movement can affect**
- **Understand the special requirements preparatory to implant placement**
- **Gain an appreciation for the benefit of a dental implant as orthodontic anchorage**
- **Appreciate various applications of implants, mini-screws and skeletal anchorage devices in orthodontics**

SUSAN KARABIN, D.D.S. will present, *Bisphosphonates: Facts and Fiction Five Years Later*. Bisphosphonates inhibit bone resorption and bone renewal by suppressing the recruitment and activity of osteoclasts, and shortening their life span. Reports of avascular necrosis of the jaw following oral surgery in patients taking bisphosphonates present a risk for the practicing periodontist. Approximately three hundred sixty-eight cases of bisphosphonate-associated ONJ were published from 1966 to 2006. Most were associ-

ated with intravenous bisphosphonates utilized in patients being treated for multiple myeloma and breast cancer metastatic to the skeleton. The AAP's Statement on Bisphosphonates stated that the FDA had noted "anecdotal reports of ONJ in association with oral bisphosphonates administered for osteoporosis." A test, CTX, has been developed that can evaluate bone turnover rates in patients taking bisphosphonates. Its value will be explored.

Dr. Karabin is a diplomate of the American Board of Periodontology and the current president of the American Academy of Periodontology. She is a clinical associate professor at Columbia University and practices periodontics including implant surgery in New York City. Dr. Karabin has lectured extensively on women's issues in periodontal therapy.

LEARNING OBJECTIVES:

- **Understand the significance and related morbidity of osteoporosis**
- **Identify different bisphosphonate medications, their modes of action, treatment regimens and drug holidays**
- **Understand the value of CTX laboratory results**

STUART FROUM, D.D.S. will present *The Sinus Augmentation Graft: Yesterday, Today and Tomorrow*. The presentation will compare the lateral wall sinus augmentation procedure (SAP) as performed and described in the first Sinus Consensus Conference in 1996 with the procedure as performed today. Evidence-based reviews, histology and clinical data will be used to describe the materials and techniques recommended today for the most predictable results. New technologies and future directions will be discussed to highlight the "state of the art" of the SAP.

Dr. Froum has authored or co-authored over seventy research papers. He is a clinical professor in the Ashman Department of Periodontology and Implant Dentistry at New York University, where he also holds the title director of clinical research. He is a diplomate of the American Board of Periodontology and a diplomate of the International Congress of Oral Implantologists. Dr. Froum is a trustee of the American Academy of Periodontology. Among his many awards and honors are the Hirschfeld Award, presented by the Northeastern Society of Periodontists; and the William J. Gies Award, presented by the AAP for outstanding contributions to the field of periodontology.

LEARNING OBJECTIVES:

- To identify the factors that increase the predictability of implant survival in grafted sinuses
- To discuss the materials and surgical techniques that are being used today to successfully regenerate bone with the sinus augmentation procedure
- To learn how new technologies and materials may change this procedure

LAUREEN LANGER, D.D.S. will present *The Management and Mismanagement of Immediate Implants in the Esthetic Zone*. A major emphasis in osseointegration today is directed towards placing and restoring implants so that they are indistinguishable from the adjacent natural teeth. This requires a thorough understanding of the surgical techniques that are available to protect and restore normal gingival architecture. It is possible and often preferable to shorten treatment time in compromised sites by utilizing multiple periodontal skills in one visit. Atraumatic tooth extraction, proper bone preparation, thorough debridement of granulomatous tissue, bone and soft tissue grafting, along with accurate implant placement can be done in one visit. This treatment protocol eliminates the delay experienced when tooth extraction and implant placement is separated by two to four months to accommodate for socket grafting. Once the stage is set with proper tissue contour, the restorative procedures must be carried out in such a manner to retain or supplement this result. This presentation will include data pertaining to six thousand immediately placed implants and their esthetic outcomes. The management of two implants placed adjacent to one another in the esthetic zone will also be addressed.

Dr. Langer has published in the *Journal of Periodontology*, *The International Journal of Periodontics and Restorative Dentistry*, and *International Journal of Oral and Maxillofacial Implants*. She also published chapters in five textbooks on the subject of periodontal surgery, subepithelial connective tissue and bone grafting, sinus elevations, and implants. Dr. Langer is a diplomate of the American Board of Periodontology and a fellow of the Academy of Osseointegration. She limits her practice to periodontics including implant surgery, and is located in Scarsdale and New York City.

LEARNING OBJECTIVES:

- Recognize which teeth can be treated with extraction and immediate implant placement and which sites are too compromised to get a good result
- Become familiar with individual hard and soft tissue grafting techniques
- Understand the restorative requirements for implant placement in the esthetic zone

BURTON LANGER, D.M.D. will present *The Strategy of Vertical and Horizontal Bone Regeneration*. Inadequate height and width of bone can be major obstacles for placing implants in many areas of the mouth. Even if the implants can be installed, the inability to rebuild the normal architecture of the alveolus may result in unfavorable crown to root ratio of the implant prosthesis and result in cosmetic aberrations in the anterior esthetic zone. The techniques that have been suggested by many clinicians vary from the use of autogenous bone grafts taken from remote sites such as the chin, the hip or the external ramus or the use of orthodontics to extrude teeth. The presentation will address a variety of defects that vary in height and width and the methods that have been used to rebuild them. Of particular interest to the periodontist is that most of the techniques employed use allogenic bone, membranes and minipins. This can be coupled with soft tissue augmentation to ensure a desirable esthetic result when necessary. Morbidity and patient satisfaction are enhanced since it minimizes trauma, which often results from harvesting bone from a remote site. In many instances, the entire augmentation and implant installation can be accomplished in one surgical visit. Situations that cannot be augmented will also be addressed and a solution will be offered.

Dr. Langer has published extensively in the periodontal and implant literature and has lectured throughout the world. He is a diplomate of the American Board of Periodontology and was one of the first periodontists trained in osseointegration by Professor Per-Ingvar Branemark. His development of new modalities of therapy such as the early re-entry procedure for bone grafts, the ridge augmentation procedure, the subepithelial connective tissue graft and various flap procedures for implant surgery, have become standard methods of treatment. He is the recipient of the American Academy of Periodontology Master Clinician Award.

PROGRAM DESCRIPTION (CONTINUED FROM PAGE 5)

LEARNING OBJECTIVES:

- Familiarize the participant with the various bone defects that can be improved utilizing techniques presented in the lecture
- Offer a methodology to predictably improve the height and width of bone in the maxilla and mandible without the need for a remote site

DENNIS TARNOW, D.D.S. will present *Immediate versus Delayed Socket Placement: What We Know and What We Don't Know*. Immediate placement of dental implants into extraction sockets is an exciting treatment alternative for our patients. However, there are many potential short- and particularly long-term risks of which the practitioner must be fully aware. This presentation will focus on the potential problems and benefits both clinically and biologically when the choice of immediate socket placement is made.

Dr. Tarnow is board certified in the specialties of periodontics and prosthodontics. He is professor and

chairman of the Ashman Department of Periodontology and Implant Dentistry at New York University. He also maintains a private practice in New York City. Dr. Tarnow has lectured throughout the world and has published extensively on topics of periodontics and implant therapy.

LEARNING OBJECTIVES:

- Understand the time saved in the overall treatment plan
- What are the extra costs associated with treatment
- The type of healing that takes place against the implant
- The value of primary closure
- The type of membrane, resorbable or non-resorbable, that is best utilized and the type of graft material, if any, that should be utilized under the membrane
- The potential long-term risks involved with the immediate placement of implants
- The biologic and clinical rationale of immediate and delayed (two to three months) implant placement



From Left to right
 Barbara O. Boland RDH,MBA, Dr. Roy Feldman DDS,DMSc, Joan I Bluch RDH,Phd, Lauren Kilmeade-Gates RDH,
 Jerome Haber DDS,DMSc

President's Message

To the membership, students, sponsors and guests: It is truly an honor to serve as your president. The Northeastern Society of Periodontists is a world-respected organization for its academic and educational programs as well as for its members. Through the support and participation of you, our members, and the financial support of our sponsors we have been able to accomplish the scholarly pursuits and camaraderie that many organizations aspire to but few if any achieve.

The dedicated efforts and boundless energy of our executive director has helped to make this possible and I wish to thank him for this. The Board of Directors has some of the finest clinicians, academicians and administrators I have had the pleasure to serve with whose time and effort, provided selflessly, are appreciated by all.

This year's spring meeting program focuses on and is **New Horizons in Periodontics and Implantology**. The Program Director, Dr. Bruce Davidson, has assembled a renowned and dynamic group of

speakers; I am proud to say they all are members of our society. In the fall, we will be expanding on this, including both national and international speakers of interest. Both meetings will be geared primarily towards clinicians and their scope of practice.

Your participation and interaction in these programs and the NESP is crucial in making these programs a success, not only for the organization but most importantly for you the members. I will work diligently with all of you to ensure your satisfaction that active membership in the NESP is an enriching experience. Thank you for the opportunity to serve you. ■



Patrice M. Buonocore

Patrice M. Buonocore, D.D.S., F.A.C.D.
President
Northeastern Society of Periodontists

Message from the Editor

Most drugs that we prescribe regularly to our patients have assorted, but not necessarily frequent, side effects. A recent patient of mine, who mentioned that he got the occasional once or twice a year migraine headache, reported a daily migraine after taking Periostat (subantimicrobial dose of doxycycline) for 3 weeks. After his phone call and our decision to discontinue taking the Periostat, his headaches immediately stopped and have not returned.

I investigated on the internet for any mention of these types of side effects and found a warning of serious intracranial hypertension related to doxycycline with potentially dire consequences. Without a spinal

tap to definitively determine this diagnosis for my patient, it could not be substantiated; however, anecdotally it appeared to be the case. It reminded me again of the cavalier nature of our prescribing medications to patients who often have multiple systemic medical conditions and are taking many other medications whose interactions we're not fully aware of. Doxycycline is a very frequently prescribed and excellent medication for periodontal patients. Even at the small clinical doses that Periostat contain, side effects of a serious nature may occur.

With the continuing advancement of treatment procedures, many of which are invasive and/or require adjunctive materials, our use of antibiotics and other pre and post operative drugs has increased. Communication with patients and close follow-up demands our continued vigilance. ■



Leslie Taynor

MARK YOUR CALENDAR

NESP Meeting Dates

APRIL 11, 2008

NOVEMBER 14, 2008

Visit us at www.nesp.org

AAP Trustees' Report

Thank you for making the annual meeting a success. This was one of the most highly attended meetings and the turnout for the general assembly on Monday afternoon was extremely high. As a follow-up to the voting at the general assembly, we have put together the following information:

Several initial items were voted down and did not pass. Bylaws items that were referred to the Board for additional consideration, by the voting members, fell into three categories: (1) governance changes that did not require a constitution change (associate member trustee, district terms), (2) "housekeeping items" (inspection of books and records, clarification of filling trustee vacancies, and disciplinary actions), and (3) the new business item on board expenditures. A report on the items referred will be prepared for the Board of Trustees consideration at its February meeting.

We also want our District VII members to know that you have an open avenue to express concerns,

answer your questions, and forward suggestions back to the board of trustees and AAP executive committee. Please feel free to contact either of us via phone or email 24/7. Wayne is currently working on the Strategic Planning Committee for our Academy and Stuart is helping plan the 2009 annual meeting in Boston. If anyone has any burning issues or ideas for professional advancement, we are open to suggestion.

We promise to keep all of you informed as items of importance are raised; however, we highly suggest that you visit the perio.org website regularly. There is a wealth of information and professional exchange taking place on-line.

Thanks again for all you do. We are a unique group of periodontists...all with voice and professional drive. We are extremely proud to be a part of it.

Best Regards,

Stuart Froum and Wayne A. Aldredge
District VII Trustees

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ACKNOWLEDGMENTS

The NESP wishes to thank the sponsors of the spring meeting for their financial support. All members are urged to visit the exhibit booths and to acquire the latest information on periodontal products.

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