



NORTHEASTERN SOCIETY OF PERIODONTISTS BULLETIN

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FALL 2001

FALL MEETING • FRIDAY, NOVEMBER 2, 2001

Advances in Clinical Periodontics and Implant Therapy: Enhancing the Outcome of Treatment—Part II

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

An outstanding program has been organized by Dr. Gail G. Childers. It will bring you up to date on what is happening on the forefront of periodontal clinical practice and research. For this purpose, four renowned speakers will gather in New York to share with us a day full of knowledge, review and scientific interaction. The first presentation will start at 9 A.M. with Dr. Robert A. Jaffin discussing immediate loading of implants in edentulous patients. He will be followed by Dr. William V. Giannobile presenting tissue engineering in conjunction with use of biologic molecules such as growth factors. After lunch, you will hear Dr. Georg Watzek's presentation on improving and optimizing the short-term and long-term prognosis of sinus lift procedures and implants that are placed in them. The final speaker, Dr. Gary Greenstein, will sum up a

wide array of literature that at times is unclear and contradictory, and will help clarify controversial issues facing the practicing periodontist. You will, no doubt, enjoy this program while meeting friends and socializing in a fall day in the city.

DR. ROBERT A. JAFFIN will present "Immediate Load of Implants in the Partially and Fully Edentulous Jaw." The ability to place a functional load on dental implants at installation has become a reality if certain criteria are met. This presentation will discuss the rationale for immediate loading of implants in order to attain a predictable result and avoid the roadblocks encountered with delayed loading. A review of the literature

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Robert A. Jaffin



William V. Giannobile



Georg Watzek



Gary Greenstein



Sponsored by NYSDS

President's Remarks



Alan Farber

I would like to take this opportunity to thank the Northeastern Society of Periodontists for allowing me to serve as president for 2001. I have been very fortunate in having an extremely dedicated and hard-working support team—our Board of Directors.

Dr. Gail Childers, our Programming Chairperson, has put together another spectacular meeting. The spring meeting, held at the Marriott Marquis Hotel on April 6, 2001, having as its topic "Advances in Clinical Periodontics and Implant Therapy: Enhancing the Outcome of Treatment," was a day not to be missed. The program featured Drs. Samuel Lynch, Don Clem, Ray Yukna, and Bill Becker. These speakers tied research in periodontics to clinical practice. Part II of this program, our fall meeting (Friday, November 2, 2001), will be an exciting one. We are fortunate to have Drs. William Giannobile, Gary Greenstein, Robert Jaffin, and Georg Watzek. Dr. Childers' line-up will further the goal of bringing research in periodontics into clinical practice.

Our new website committee, headed by Dr. Jay Fishbein, has been doing an outstanding job. Dr. Fishbein has been busy evaluating our members "wish list" to be

implemented over the next few years. He is working on changing the format of the membership directory, updating our link area, and adding many "user-friendly" additions. Please continue to visit www.nesp.org for information about our society's activities.

During the past summer, a Strategic Planning Committee has been formed, co-chaired by Dr. Susan Karabin and myself. This committee's mission is to evaluate where we see our society in the next five years. This is a major undertaking, but is necessary if we want to keep our organization at its present standing, or bring it to a higher level, if possible. This challenge can be met successfully only if we continue to fulfill the needs of our members. Some of the questions that this committee will investigate are: reaching out to other organizations, programs for dental hygienists, and encouraging student membership. Our main goal continues to be bringing the highest level of periodontal education to our members biannually.

As I think about this past year, I smile as I remember the hours spent at board meetings, making telephone calls, and reading and answering emails, so that this meeting will be special. I have made many friends with members of the Northeastern Society of Periodontists; I congratulate Dr. Gail Childers for our excellent meetings; I want to thank Past President Dr. Steven Gold for turning over such a vital organization. Sincere thanks and best wishes to Dr. Laureen Langer, your incoming president—Dr. Langer has always been available to help me throughout the year. I again thank the entire board for its hard work and dedication. It is working with colleagues like you that makes serving as president of the NESP a pleasure as well as an honor. Last, but not least, I thank you, the members, for giving me the opportunity to serve. ■

Visit us at www.nesp.org

You Are Wanted

Periodontists needed to join the board of the Northeastern Society of Periodontists. If you would like to become active in your society please contact Alan Farber, president at 631-242-5660 or email through our web site at www.nesp.org. We are looking for members who want to get involved.

Mark Your Calendar

NESP Spring Meeting

March 22, 2001

Editor's Notes

Moving Ahead With Technology

I would not be able to compose this message or participate in various organizations if computers and the Internet did not exist. Many of us have experienced the perils of the technology, but the good that comes with it cannot be denied. Speed and efficiency aside, less paperwork and clutter has helped me find what I need, when I need it—fast. In the Union County Dental Society in New Jersey, where I serve as president, a great portion of the executive board's correspondence is done by e-mail, and the society's web site posts meeting schedules, driving directions, minutes, bulletins, last-minute announcements and other information. This greatly eases the process of running a professional organization.

In the meantime, functioning in this organization has only been possible because I have been able to manage my time more efficiently through the use of such technological advances. Thanks to the foresight of the NESP officers, we have an excellent web site. NESP is one of the most active regional organizations in providing its members with consistent top-quality continuing education. The main goal of NESP is to expedite and propagate recent advances in the field to the members. It is



an exciting time to be a part of such a progressive group, when advances in our field parallel the technological advances in communications. The search for knowledge is what we all strive for in order to provide the best care to our patients. Efficient means of communication to interact, inform and learn is what makes an organization such as ours effective in achieving its goals.

The creation of our web site is a big step in this direction. As more and more members and the public learn to access the Internet, we will have a more fluid and speedier means of communication. The potential for continuing education, exchange of ideas, announcements, public service and many other organizational activities is almost unlimited. Such flexibility would not have been possible in the past for a small organization such as ours, where constant demand for manpower, cost reduction, time efficiency and convenience are paramount. NESP's web presence is another effort to keep it in the forefront of providing the best value for its members as use of the Internet increases. ■



Mehdi Saber

UNIVERSITY NEWS

COLUMBIA UNIVERSITY

Dr. Murray Schwartz reports the following from Columbia University:

An important event occurred in the Spring of 2001 when our implant surgical suite was dedicated. This fully equipped, two-chair suite was supported by a significant grant from Nobel Biocare as well as by a generous contribution by Drs. Lauren and Burton Langer. In addition to two large operatories, it has a scrub room, a recovery room for use by sedated patients, an office and

a large conference room. The suite is now in active use by the Division of Periodontics Implant Program.

The Twelfth Annual Benjamin Tenenbaum Memorial Lecture on the Etiology of Periodontal Disease was delivered on May 3, 2001 by Dr. Jack Caton of the Eastman Dental Center, University of Rochester. His topic was "Why is the Regeneration of the Periodontium so Elusive?" Dr. Tenenbaum, in whose honor the lecture series was established in 1990, died in March 2001, at the age of 92. He was a most unusual dentist, a general practitioner who was willing to take time away from

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PROGRAM DESCRIPTION (CONTINUED FROM PAGE 1)

will explain the biologic advantages for immediate loading. The requirements for case selection will be addressed. Communication and coordination are vital for a successful result. Before the patient can make an informed decision on therapy, the periodontist and restorative dentist must evaluate certain criteria, including bone density and tooth position.

The lecture will show the results obtained with over 90 fully and partially edentate arches with more than 400 implants. A discussion of the successes and failures will include why single-stage implants are preferred, as well as a predictable method to assure success of the case.

Dr. Jaffin received his D.M.D. from University of Pennsylvania in 1974 and his Certificate in Periodontology from Columbia University in 1976; he completed specialty training in osseointegration from the University of Toronto in 1984. He is a diplomate of the American Academy of Periodontology and a fellow of the Academy of Osseointegration. Dr. Jaffin has numerous publications and has lectured extensively. He was a Clinical Professor of Periodontology at Temple University until 1998, and is currently the Director of the Division of Periodontics and Director of Implant Training Program at Hackensack University Medical Center in New Jersey.

LEARNING OBJECTIVE:

- *To evaluate the functional biologic advantages of immediate loading of implants with predictable results.*

DR. WILLIAM V. GIANNOBILE will present "Periodontal Tissue Engineering and Biomimetics." Repair of tooth-supporting structure destroyed by periodontal disease is a major goal of therapy. The field of tissue engineering combines advances in both materials science and biology in order to repair tissues and organs. Periodontal tissue engineering has been achieved, with limited success, by the utilization of guiding tissue (cell occlusive) membranes and bone grafting techniques. Over the past decade, investigators have begun to utilize signaling molecules such as growth factors and osteoinductive factors to restore lost tooth apparatus due to periodontitis. This presentation will provide information on the status of growth factor therapies being applied in periodontology and provide future directions using

novel methods of delivery of growth factors by gene therapy.

Dr. Giannobile is Assistant Professor of Dentistry at the University of Michigan in Ann Arbor. He received his D.D.S. and an M.S. in Oral Biology from the University of Missouri, and later received his Certificate in Periodontology and Doctor of Medical Sciences in Oral Biology from Harvard University. Dr. Giannobile served as a faculty member at Harvard and as an Assistant Clinical Investigator at the Forsyth Institute from 1996 to 1998 before moving to Michigan. Dr. Giannobile has received several awards from the American Academy of Periodontology, including the Balint Orban Prize for Research and the Tarrson Career Development Award.

Dr. Giannobile serves on numerous committees for the Academy of Periodontology, including the Research, Science and Therapy Committee and the Emerging Science in Periodontics Committee. He has published over 60 peer-reviewed papers, book chapters, and abstracts in scientific journals and currently serves as an Associate Editor for the *Journal of Periodontology*. Dr. Giannobile is a diplomate of the American Board of Periodontology and, in addition to his faculty appointment at Michigan, maintains a private practice limited to periodontics and implantology at Periodontics Associates in Farmington Hills, Michigan.

LEARNING OBJECTIVE:

- *To discuss the principles and application of biologic modulators in regenerative therapy in periodontics.*

DR. GEORG WATZEK will present "Optimization of the Sinus Lift Procedure." Looking at various statistical analyses, one might assume that there is neither any need nor any possibility to further optimize the sinus lift procedure, because the results reported are excellent now. Beyond doubt, the sinus lift has become a routine procedure in recent years. However, a detailed review of the state of the art reveals that there are still unresolved factors and issues affecting the prognosis in this procedure. In addition, we must be aware that early or late failure of this intervention will have much more adverse consequences for patients than a simple loss of an implant.

At the Dental School of Vienna, investigations and evaluations of the effectiveness of the sinus lift procedure have been conducted since 1986. During that time, related anatomical, experimental and clinical studies have been performed. Initially, these included macro- and microanatomical investigations as well as studies of the vascular supply of the affected soft tissue involving

more than 120 cranial specimens. The clinical efficiency of the sinus lift technique has been assessed in a number of endoscopic and histological investigations. Clinical and animal experimental studies were performed to evaluate the local bone regeneration potential in this anatomical region. The suitability of various bone grafts and bone replacement materials has been continually evaluated in animal models. As yet, such investigations have been conducted in a total of 152 sinuses of 76 sheep and mini-pigs and not only included histomorphometric assessments but also evaluations in pull-out tests. These studies were complemented by testing the results of various surgical techniques in finite-element calculations to determine the most appropriate extent of augmentation and the most suitable implant design. The platelet-enriched plasma technique (PRP) was analyzed in cell-culture, and in animal experimental and clinical studies, and the results showed marked cell proliferation, but no osseoinductive effect. Clinically, 600 patients with a total of 1,200 implants were followed up and evaluated between 1988 and 1999 to test various surgical techniques. Based on all these investigations, it appears possible to offer optimized guidelines and advice for improving the therapeutic concepts of this treatment method, which has not been undisputed until quite recently.

Dr. Watzek received his M.D. from the University of Vienna Medical School in 1970, followed by a specialty in Dentistry and Oral and Maxillofacial Surgery in the same university. He has also completed a fellowship at Columbia University and residencies in Neurosurgery and ENT in the University of Vienna. He was a Visiting Professor at the University of Pennsylvania and currently serves as the Head of the Dental School and Department of Oral Surgery in the University of Vienna. Dr. Watzek is the President of the Austrian Society of Oral Surgery and Implantology, and is the author of seven textbooks and more than 200 publications.

LEARNING OBJECTIVES:

- *To learn collection and appropriate assessment of preoperative baseline criteria in sinus lift procedures.*
- *To optimize the individualized surgical approach in order to minimize intra- and postoperative problems and improve long-term success.*
- *To gain knowledge of the particular benefits and limitations of the most commonly used augmentation materials and their optimal utilization.*

DR. GARY GREENSTEIN will present "Conceptualization vs. Reality of Periodontal Therapy." Ideally, diag-

nostic methods and therapies should be based on scientific data. However, the dental literature is often confusing or incomplete, leaving therapists in a quandary as to which results reported in scientific publications should be applied to patient management. To help clarify some controversial issues in the periodontal literature, the following subjects will be addressed from the perspective of a practicing clinician:

- Periodontal susceptibility testing for severe periodontitis—why, why not?
- Efficacy of Periostat—what is the clinical utility of this drug?
- Periodontal Index of clinical significance—can it be constructed?

Dr. Greenstein received his Periodontal Certificate from Eastman Dental Center in 1980 and completed a Master of Science program at the University of Rochester in 1981. He is a Clinical Professor at the University of Medicine and Dentistry of New Jersey, Department of Periodontology and a diplomate of the American Board of Periodontology. Dr. Greenstein has more than 70 publications and is the recipient of the Hirschfeld Award from the NESP and the Gies Award from the AAP for contributions to the literature. He has been a member of the Research, Science and Therapy Committee since 1990 and is currently practicing in Freehold, New Jersey.

LEARNING OBJECTIVES:

- *To expand our knowledge base regarding several controversial issues.*
- *To place advances in therapy in proper perspective.*
- *To define reasonable measurements that can be incorporated into a Periodontal Index of clinical significance.*

New Members

The NESP welcomes the following new members:

Dr. Anca Bazile

Dr. Shih-mei Chiang

Dr. Priya Duggal

Dr. Jinous Eslami

Dr. Elan Katz

Dr. Fatemeh Tafreshi

UNIVERSITY NEWS

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his busy practice to participate in research with Dr. Maxwell Karshan at Columbia. They were among the earliest investigators of the etiology and treatment of early-onset periodontitis, then called periodontosis.

Dr. Melvin L. Morris was a faculty member in the School of Dental and Oral Surgery at Columbia University for more than 50 years. When he passed away in 1993, his friends, family and the foundations that supported his research established the Melvin L. Morris Periodontal Research Fund. The Fund presents awards each year at the Postgraduate Periodontics Program year-end dinner. The 2001 winners are: Dr. Nkemjika S. Obiechina—Melvin L. Morris Award for Excellence in Postgraduate Periodontics; Dr. Karim Jarjoura—Melvin L. Morris Research Fellowship.

Many faculty members and postgraduate students are participating in research studies on the role of periodontal disease in the etiology and severity of cardiovascular disease, stroke, preterm birth, and diabetes.

The unbelievable events of the past several days have been devastating to us all. The Officers and Board of Directors of the Northeastern Society of Periodontists would like to express our deepest sympathies to all those who have lost loved ones in this greatest of human tragedies. We concur with the position of all New Yorkers that despite the pain and difficulties caused by this most horrid of events, we cannot and will not give in to those who have tried to break our spirit. This city and all Americans are dedicated to restoring the feelings of freedom to which we are accustomed. With these sentiments, NESP is more than ever prepared to hold its upcoming Fall Meeting and is looking forward to seeing you on November 2nd.

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ACKNOWLEDGMENTS

The NESP wishes to thank the sponsors of the fall 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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