

# Bone Regeneration SYMPOSIUM



**The latest in bone generation technology, bone graft products, growth factors and the scientific indications for their use**

**April 21–22, 2012**

**New York University  
College of Dentistry**

Co-Chairs:

Edgard El Chaar, DDS, MS  
and John Minichetti, DMD



**An advanced program for the experienced implant dentist featuring lectures by nine of the top experts in the field.**

During the past few years, an abundance of new materials and technology in both bone graft products (i.e.: membranes, particulate, putty), and in growth factors (i.e: PDGF, BMP etc.) have emerged. The experienced implant dentist needs to understand the current thinking in bone regeneration technology and materials. This advanced symposium brings together nine of the leading experts in the field to discuss the scientific basis for their use.

Attendance is limited and registrations will be accepted on a first-come, first-served basis. Join this outstanding faculty and your colleagues at the prestigious New York University College of Dentistry April 21 – 22, 2012.

- *Earn 11 Hours of CE.*
- *Register by February 15 and save.*

Visit [www.aid.com](http://www.aid.com) for more information or call 312.335.1550.

## Speakers



**Edgard El Chaar, DDS, MS**

Clinical Associate Professor  
Department of Periodontics and Implant Dentistry  
New York University College of Dentistry

*Topic: The Use of rh-BMP-2 Alone in Ridge Augmentation and Socket Preservation*

Most of the grafting materials until recently provided a bone regeneration via osteoconduction except for the autogenous bone which is considered the golden standard by its osteogenesis properties. This presentation will discuss how rh-BMP-2, a growth factor, that has the ability to provide osteoinductivity, is now available for use in our day-by-day practice. It enhances bone regeneration for both socket preservation techniques and augmentation of deficient ridges, especially in a vertical direction.



**Paul Fugazzotto, DDS**

A periodontist, he is currently a visiting lecturer at Tufts University, Boston University and the University of Ancona (Italy) and director of the Greater Boston Dental Implant Center.

*Topic: Developing Appropriate Treatment Algorithms for Augmentation of the Posterior Maxilla*

While there is no doubt that Caldwell-Luc sinus augmentation therapy is highly predictable, simpler less traumatic options are often indicated for appropriate augmentation of the posterior maxilla, either at the time of implant placement or in anticipation of eventual implant insertion. The challenge to the conscious clinician is to determine which treatment approach is most appropriate for a given clinical situation, to develop the necessary treatment algorithms, and to work within the framework of a rigid definition of success, to ensure the maximization of treatment outcomes. This presentation will include an examination of the literature, coupled with the clinical results of over 4,500 implants placed in the posterior maxilla, will guide participants in development of such treatment algorithms.



**Bach Le, DDS, MD**

Assistant Professor of Oral & Maxillofacial Surgery at the University of Southern California School Of Dentistry and Assistant Director of Residency Education at LAC-USC Medical Center.

*Topic: The Bone Sets the Tone, But What About the Tissue?*

This evidence-based discussion will include the latest techniques in esthetic site development of the compromised implant site. Topics to be covered include:

- Patient evaluation and selection
- Reviewing a traumatic extraction, socket grafting and management of the post- extraction site
- Strategies for dealing with the horizontally and vertically deficient ridge
- Current strategies in minimally-invasive bone grafting & tissue grafting
- Papilla reconstruction and tissue management to improve long-term clinical success with dental implants, specifically in the esthetic zone



**Barry Levin, DMD**

Clinical Associate Professor, University of Pennsylvania, Dept. of Graduate Periodontics & Implant Surgery.

*Topic: Novel Methods and Materials Utilized for Alveolar Ridge Augmentation*

This presentation will demonstrate novel techniques and material that can help regeneration of viable bone in the desired implant locations, and provide long-term maintenance of this hard and soft tissue. The procedure should minimize graft resorption as well as surgical morbidity. Newer, bio-absorbable materials that can make this process less invasive and successful will be discussed.



**John Minichetti, DMD**

Attending, Englewood Hospital and Meadowlands Hospital. Dr. Minichetti is Director of the Dental Implant Learning Center. Director, Las Vegas AAID Maxicourse ® in Implant Dentistry and Co Director NY AAID Study Club at NYU.

*Topic: Utilizing Pre-shaped Collagen Membranes to Treat Ridge Deficiencies*

Clinicians often encounter implant surgical sites with insufficient horizontal and/ or vertical dimension. This program is designed for the moderate/advanced level implant dentist wishing to learn about newer innovations and techniques in ridge augmentation. Participants will learn the diagnosis of edentulous area deficiencies, review standard augmentation choices and be introduced to newer augmentation materials and techniques, including the CurV (R) membrane.

## Saturday, April 21, 2012

**7:00 am - 8:00 am**  
Continental Breakfast and Registration

**8:00 am - 8:30 am**  
Welcome and Instruction

**8:30 am - 9:30 am**  
Novel Methods and Materials Utilized for Alveolar Ridge Augmentation  
*Barry Levin, DMD*

**9:30 am - 10:30 am**  
Bone Regeneration Using Human Allografts  
*Hom-Lay Wang, DDS, MSD, PhD*

**10:30 am - 11:00 am**  
Break and Refreshments

**11:00 am - 12:00 pm**  
The Bone Sets the Tone, but What About the Tissue?  
*Bach Le, DDS, MD*

**12:00 pm - 12:30 pm**  
Q & A

**12:30 pm - 1:30 pm**  
Lunch Provided

**1:30 pm - 2:30 pm**  
The Use of rh-BMP-2 Alone in Ridge Augmentation and Socket Preservation  
*Edgard El Chaar, DDS, MS*

**2:30 pm - 3:30 pm**  
Indications and Expectations Concerning Recombinant Growth Factors and Platelet Rich Plasma  
*James L. Rutkowski, DMD, PhD*

**3:30 pm - 4:00 pm**  
Q & A

## Sunday, April 22, 2012

**7:30 am - 8:30 am**  
Continental Breakfast

**8:30 am - 9:30 am**  
Developing Appropriate Treatment Algorithms for Augmentation of the Posterior Maxillary  
*Paul Fugazzotto, DDS*

**9:30 am - 10:30 am**  
Alveolar Ridge Regenerative Strategies: Autogenous Bone vs Tissue Engineering  
*Michael A. Pikos, DDS*

**10:30 am - 11:00 am**  
Break and Refreshments

**11:00 am - 12:00 pm**  
BMP2 Mechanism of Action and its Role in the Scheme of Contemporary Bone Engineering  
*Daniel Spagnoli, DDS, PhD*

**12:00 pm - 12:30 pm**  
Q & A

**12:30 pm - 1:30 pm**  
Lunch Provided

**1:30 pm - 2:30 pm**  
Utilizing Pre-shaped Collagen Membranes to Treat Ridge Deficiencies  
*John Minichetti, DMD*

**2:30 pm - 3:00 pm**  
Q & A

## Speakers



### Michael A. Pikos, DDS

Oral and maxillofacial surgeon in Palm Harbor, Florida, is the founder and CEO of the Pikos Implant Institute.

#### Topic: Alveolar Ridge Regenerative Strategies: Autogenous Bone vs. Tissue Engineering

This clinically based presentation will compare the use of autogenous bone and tissue engineering protocols including the use of PRGF, rh-PDGF and rhBMP-2 for alveolar ridge augmentation. The science, indications, advantages and disadvantages of each approach will be featured. Single tooth to full arch reconstruction cases will be covered.



### James L. Rutkowski, DMD, PhD

Implant practice in Clarion, Pennsylvania  
President/CEO of the Clarion Research Group, a biotech company that performs translational research for bone growth and salivary diagnostics  
Editor-in-Chief of the Journal of Oral Implantology.

#### Topic: Indications and Expectations Concerning Recombinant Growth Factors and Platelet Rich Plasma

During this presentation, the current status of the recombinant growth factors BMP2 and PDGF-BB and autogenous growth factors obtained from platelet rich plasma will be reviewed. Clinical case reports and evidence-based literature concerning these bone growth modifying agents will be presented in a balanced format. Dr. Rutkowski will also provide an algorithm to assist the clinician in making informed decisions regarding the use of these agents.



### Daniel Spagnoli, DDS, PhD

Oral and maxillofacial surgeon in the Charlotte, North Carolina area

#### Topic: BMP2 Mechanism of Action and Its Role in the Scheme of Contemporary Bone Engineering.

This presentation will review the cellular interactions of BMP that contribute to stem cell chemotaxis, and osteoblast differentiation. It will also discuss BMP interactions that couple VEGF to neovascularization and the importance of changes in tissue oxygen tension during denovo bone formation. The program will also address the role of internal and external constructs, and the role of cell attachment on differentiation and expression of phenotype.



### Hom-Lay Wang, DDS, MSD, PhD

Endowed Collegiate Professor of Periodontics,  
Professor and Director of Graduate Periodontics,  
University of Michigan School of Dentistry

#### Topic: Bone Regeneration Using Human Allografts

This presentation will discuss all current available human allograft and provide rationales and a "decision tree" that will assist clinicians choose the most predictable material and/or procedure for bone augmentation. Techniques used to perform guided bone regeneration (i.e., sandwich bone augmentation) and allogenic only graft will be illustrated. Recent research findings will also be presented.

## REGISTRATION FORM

\_\_\_\_\_ AAID member \$850 (\$1,000 after February 15, 2012)

\_\_\_\_\_ AAID Non-Member \$1,000 (\$1,250 after February 15, 2012)

\_\_\_\_\_ Student \$200 (written verification of student status must be provided)

\$ \_\_\_\_\_ **Symposium Registration Total**

Last Name \_\_\_\_\_ First Name \_\_\_\_\_

Degree \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

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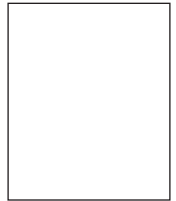
**Or you may fax the form with your credit card information to 1-312-335-9090.**

**CANCELLATION & REFUND POLICY:** The American Academy of Implant Dentistry reserves the right to cancel all or any part of this course should circumstances warrant such action. In the event a course is cancelled, the AAID will refund the full tuition and will not be responsible for any other damages. Requests for refunds must be made in writing and received by February 12, 2012, for a 100% refund, or between February 12, 2012, and March 1, 2012, for a 50% refund. Due to advance commitments to the hotel, no refunds can be made after March 1, 2012. A \$50 administrative fee will be applied to all refunds regardless of when request is received. NO EXCEPTIONS.



American Academy of  
Implant Dentistry

211 East Chicago Avenue  
Suite 750  
Chicago, IL 60611



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for directions to the NYU College of  
Dentistry as well as information  
about hotels in the area.



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**Symposium Location**

The symposium will be held at the New York University College of Dentistry,  
located at 345 E. 24th Street in New York City. The phone number for the  
College of Dentistry is 212.998.9757.

**Hotel Accommodations**

Many hotels are located in New York City. Make your reservations at  
the hotel of your choice. The names of several hotels near the  
New York University College of Dentistry are available from the AAID  
office upon request.

At the end of this symposium, the participants will understand:

- How osteoconductivity, osteoinductivity, and osteogenesis differ
- The appropriate biology and indications for and dosage of Recombinant Human Bone Morphogenetic Protein
- The appropriate biology of enamel matrix derivative (e.g., Emdogain®) and platelet-derived growth factors (e.g., Gem 21S®)
- The role of scaffolding and tenting devices
- The latest about resorbable and nonresorbable membranes
- The current thinking about alloplast, xenograft, and synthetic grafts (e.g., ceramics) and their different modalities

**Continuing Education Hours:**

This course provides 11 continuing education hours. The AAID is an ADA CERP recognized provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.



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