

**FOCUS ON BONE 28 April 2008**

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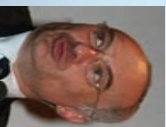
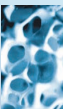
Date:



**Dr. Christian Mertens** is the Consultant and Assistant Medical Director, the Clinic for Oral and Maxillofacial Surgery at the University of Heidelberg. Dr. Mertens is a 2001 graduate of the Faculty of Dental Medicine of the University of Bonn. He is a Senior Oral Surgeon, a Certified Implantologist and a serving university lecturer. One of his specialities is augmentative surgery and the surgical treatment of the atrophic maxilla.

**Synthetic bone graft materials for sinus augmentation.**

In posterior edentulous maxilla with high degrees of alveolar ridge resorption maxillary sinus floor-augmentation techniques are used to increase bone volume. Nowadays synthetic bone graft materials rather than autogenous bone gain more importance in daily work and show predictable results concerning conversion into bone in relatively short time. An overview of existing materials, advantages, disadvantages, limitations and clinical cases will be presented.



**Dr. Pascal Valentini** is an Associate Professor at the Department of Restorative Dentistry at the University of Loma Linda (USA) and is a Program Director/Post Graduate of Oral Implantology at the University of Corsica. He received his DDS at the University of Paris VII in 1982. Pascal is an international speaker and author of several papers in the field of bone regeneration and maxillary sinus grafting. Dr. Valentini has a private implant dentistry practice in Paris.

**Sinus Grafting : Long Term Results with xenografts.**

The patients included in this report have been treated using amorphous bovine bone with a 1 or 2 stage technique, according to the volume of residual bone. The overall implant survival rate was 90.1% after a mean functioning period of 10 years. Late failures, attributable to chronic bacterial infection were observed only on cylinders.



**TIMETABLE**

- 0830 Registration and Coffee
- 0915 Introduction by the ADI President, Dr Anthony Bendkowski
- 0930 Dr. Marco Esposito
- 0945 Dr. Frank Schwarz
- 1030 Coffee/Exhibition
- 1100 Professor Zvi Artzi
- 1145 Professor Nick Donos
- 1230 Buffet Lunch/Exhibition
- 1330 Dr Michael Norton
- 1415 Dr Christian Mertens
- 1500 Tea/Exhibition
- 1530 Dr Pascal Valentini
- 1415 Moderated debate/discussion
- 1700 Close of symposium

6 hours CPD and Certificates of attendance will be provided

**GENERAL INFORMATION**

**Date:** Monday, 28 April, 2008

**Venue:** The Manchester Conference Centre is situated in the centre of the UMIST. Map and location details will be sent with the registration confirmation.



**Accommodation:** Rooms can be booked at a preferential rate at the Days Hotel, which is located within the Manchester Conference Centre under the reference of "FOCUS ON BONE". [www.daysinn.co.uk](http://www.daysinn.co.uk)  
Tel: 0800 020 400

**Cancellations:** Cancellations will be accepted in writing until 10 April 2008 and are subject to an administrative charge of £40. After this date no refunds can be guaranteed.

**Exhibition:** A small dental healthcare exhibition showing the latest trends in the implant market will be accessible during the catering breaks.

**Registration:** Online registration is available on the ADI website: [www.adi.org.uk/focusonbone](http://www.adi.org.uk/focusonbone) Alternatively, please complete the attached application form and return by post or fax to the ADI Secretariat. Cheques should be made payable to the "ADI".

Please use one form per delegate only; additional copies can be obtained from the ADI Secretariat.

**Contacts**

**The Manchester Conference Centre**  
UMIST, Weston Building, Sackville Street,  
Manchester M1 3BB  
+44(0) 161 955 8000 [www.conference-manchester.ac.uk](http://www.conference-manchester.ac.uk)

**ADI**  
79 South Worples Way  
London SW14 8ND  
+44(0) 20 5487 5555

ADI Member Fee: £250 Non Member Fee: £350  
Full Time Student Fee (limited availability): £120 Auxiliaries: £120

**FOCUS ON BONE  
SUBSTITUTES**

A FULL DAY SYMPOSIUM

- Zvi Artzi
- Nick Donos
- Marco Esposito
- Christian Mertens
- Michael Norton
- Frank Schwartz
- Pascal Valentini



**Date:** 28 April 2008

**Venue:** The Weston Building  
Manchester Conference Centre



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## AIMS AND OBJECTIVES

One of the key factors contributing to the long term functional and aesthetic success of dental implants is the quality and quantity of supporting bone. In practice clinicians often need to select appropriate bone augmentation materials to help with the reconstruction of bone defects in association with implant placement. This choice needs to be made on the basis of clinical evidence. Therefore, this one-day meeting 'Focus on Bone Substitutes' is of particular relevance, examining both the biological basis as well as the evidence supporting the clinical use of some of the currently available bone augmentation materials.

During the day, seven renowned experts will present the evidence for both xenografts and synthetic materials. Specifically, the performance of these materials in both alveolar ridge reconstruction and sinus augmentation will be highlighted.

On behalf of the **Association of Dental Implantology (UK)** it is my great pleasure to invite you to attend this forthcoming scientific meeting.

**Anthony Bendkowski**  
President



**Dr Marco Esposito** is a Senior Lecturer in Oral and Maxillofacial Surgery and the Editor of the Cochrane Oral Health Group. Marco graduated with honors in dentistry at the University of Pavia, Italy in 1990 and was awarded a PhD in Biomaterials from the Göteborg University in 1999. He has authored more than 80 scientific publications in international peer-reviewed journals. Marco's main research interests are the assessment of the effectiveness of various therapeutic interventions with particular emphasis on dental implants.

## Comparison of xenografts and synthetic materials – a systematic review.

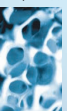
Data from an updated Cochrane systematic review of randomized controlled clinical trials comparing the efficacy of xenografts and synthetic bone materials in various clinical applications related to implant dentistry will be presented and critically discussed.



**Dr Frank Schwarz** is currently the Assistant Professor in the Department of Oral Surgery at the Heinrich Heine University in Duesseldorf. His doctorate focused on periodontal treatment with an ER:YAG laser and in 2002 he received the young researcher award for his work on Lasers in Dentistry, after which he worked as an Associate at the Department at the Ludwig Maximilians University in Munich.

## New perspectives in bone regeneration.

The ideal bone substitute should possess, at least some physicochemical properties, such as biocompatibility, osteoconductivity, resorbability, and steadiness in order to support wound healing following GBR procedures. Most recent studies have emphasised that the outcome of bone regeneration might also be influenced by either the implant surface or bio coating using osteogenic proteins of the transforming growth factor  $\beta$ .



**Prof. Zvi Artzi** is an Associate Professor in the Department of Periodontology at the School of Dental Medicine, Tel Aviv University, Israel.

Zvi has published over 80 articles and research abstracts in peer-reviewed leading journals in Periodontology and Oral Implantology. He has lectured extensively at international conferences. Professor Artzi's current main research topics are related to osseointegration, bone regeneration, bone substitutes and advancing surgical modalities.

## Why bovine bone mineral is a reliable and predictable biomaterial in intra-oral applications.

The use of bone substitutes is a key factor that influences bone regeneration. Ideal materials should enhance bone formation with appropriate porosity, structure, biocompatibility and sterility. The use of substitutes can reduce the need for autogenous donor bone whilst maintaining long term success of augmentation procedures. Bovine bone mineral is biocompatible and osteoconductive and has proved to be appropriate for use in socket preservation, ridge deficiency, sinus augmentations and repair of periapical bone destruction. Both histological and controlled clinical trial data will be presented supporting the use of bovine bone substitutes.

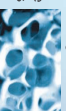


**Professor Nick Donos** is the Head & Chair of Periodontology and the Director of the Division of Clinical Research at the UCL-Eastman Dental Institute in London. His research track record is mainly on GTR and GBR and clinical trials in implantology. Professor Donos has published extensively and is a member of the editorial board of leading peer-reviewed journals. Nick is the Director of the IIT Scholarship Centre at the UCL-Eastman Dental Institute and the Education Delegate of the IIT UK & Ireland section.

## Synthetic bone grafts and GTR. From experimental studies to clinical application in conjunction with dental implants.

The use of different type of bone grafts in combination with GBR aim predominantly in avoiding the collapse of the flexible barrier membranes into the bone defect. Very often there is a dilemma regarding the most appropriate type of bone graft to be used.

During the lecture, the experimental studies evaluating the bone regenerative healing with GBR and synthetic bone grafts as well as its clinical application will be discussed.



**Dr Michael R. Norton** is a Specialist in Oral Surgery and is Visiting Professor at Marquette Dental School in Milwaukee, USA. He was recently awarded a Fellowship by the Royal College of Surgeons, Edinburgh for his contribution to the field of implant dentistry. Michael is a graduate of the University of Wales School of Dental Medicine. Michael lectures internationally and is widely published. His literature includes the Quintessence textbook: Dental Implants - A Guide for the General Practitioner (1995)

## Does xenograft provide an efficacious alternative to autogenous bone for GBR?

With autogenous bone still considered the gold standard, questions remain about the efficacy of bone substitutes as an alternative therapy. In addition there are questions about the nature of defects and whether all defects respond in a similar manner. This presentation will focus specifically on the use of bovine xenograft as a material for augmentation using the principles of guided bone regeneration.



## ADDITIONAL STUDENTS/ AUXILIARIES NAMES

First Name .....  
Surname .....  
Email .....

First Name .....  
Surname .....  
Email .....

First Name .....  
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PLEASE RETURN OR FAX (both sides as necessary)  
TO:

Association of Dental Implantology UK  
98 South Worpole Way  
London SW14 8ND

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