European Association for Osseointegration

September 18-20, 2008
Chairmen: David Harris, Ireland & Andrzej Wojtowicz, Poland

17th Annual Scientific Meeting

Clinical Advances and Predictability with Oral Implants

In collaboration with the National Implantology Association - OSIS
Dear colleagues,

Welcome to the 17th Annual Scientific Congress to be held in Warsaw, Poland Sept 18-20, 2008. This is a very special occasion as it is the first EAO meeting to be organised in Eastern Europe. It will take place in collaboration with the National Polish Implantology Association (OSIS).

The scientific programme has been designed to address practical and highly relevant issues that concern clinicians. We have invited outstanding speakers from many countries chosen on the basis of their expertise. They will contribute to an exciting 3 days, providing an authoritative and reliable scientific and clinical basis for the treatment of patients, as well as addressing exciting new and developing innovations and research. This will be supplemented by the EAO research competitions and free oral communications. There will also be a special session provided by the National Polish Implant Society. As always we are delighted to collaborate with our industry sponsors who will provide their own satellite symposia.

Warsaw is a very special vibrant, cultural, and historic city, full of warm and welcoming people. The congress will take place at the famous Palace of Culture and Science. From exploring the fascinating old town by streetcar, or visiting the many outstanding venues for music, culture and art, to boat trips on the Vistula River, you will find much to enjoy in Warsaw. The EAO Annual Congress provides a unique opportunity to meet, and to exchange views with colleagues from many parts of the world. On behalf of the organising committee it gives me great pleasure to invite you join us for what I feel sure will prove to be an attractive, stimulating and interesting programme and to experience first hand the hospitality, friendliness and culture of Warsaw and its people.

David HARRIS
Chairman EAO Warsaw 2008 Meeting

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Dear colleagues,

On behalf of the National Polish Society for Implantology it is a great honour and pleasure to welcome the EAO to Warsaw and to introduce the scientific and social programme for this special event marking the 17th Annual Scientific Congress. In honour of this our society has declared the year 2008- the year of Polish Implantology.

The scientific programme has been formed over several months in co ordination with Dr David Harris and the scientific committee and represents a wide spectrum of achievements in the field of implantology - including orthodontics and extra oral applications. Demographic data in Europe shows a significant trend in increasing numbers within the elderly population. For this reason we have included a session on gero – implantology. I also introduce and invite you to the National Polish Society’s session, which is the first time that this has been organised under the auspices of the EAO.

It will be my great pleasure to welcome you to Warsaw and hope we can help you enjoy its beauty, friendliness and culture. I wish you an enjoyable stay and congress in Warsaw.

Andrzej WOJTOWICZ
President of National Polish Implantology Association
Co-chairman EAO Warsaw 2008 Meeting

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Dear colleagues,

On behalf of the European Association of Osseointegration I am honoured and privileged to welcome you to the EAO’s 17th Annual Scientific Congress to be held in Warsaw, Poland Sept 18-20 2008. This time, the congress is dedicated to “Clinical Advances and Predictability with Oral Implants”. Again the congress chairmen have succeeded in inviting the crème of world-renowned speakers who will assure that the all aspects of recent developments in the field of osseointegration will be discussed. I am convinced that the scientific programme of the congress will meet the high expectations of specialists from all over the world.

The Warsaw Meeting provides a unique opportunity to meet and to exchange views with colleagues from very different origins. It will allow researchers and clinicians to get state-of-the-art information on all different aspects using osseointegrated implants in dentistry. The scientific programme will enable the attendees to judge for themselves which treatment concepts in implant dentistry lead to reliable long-term results and which do not.

The congress will take place in one of the most interesting capitals of Europe. Warsaw is an extraordinary city. Its history and climate impress the visitors, while its uniqueness interests them. In Warsaw, influences of Western and Eastern Europe culture cross. Historic buildings, palaces, churches and architectural complexes have been reconstructed with great care and expertise. UNESCO appreciated Warsaw monuments and its relics, and honoured the city by putting the historic centre of Warsaw on the World Heritage List. This is the right place to meet friends and enjoy some of the city’s many attractions.

I wish all the best to the Chairmen of the meeting, Andrzej Wojtowicz and David Harris. I am sure that they will make the congress once again a great success.

Friedrich W. NEUKAM
President of EAO
Clinical Advances and Predictability with Oral Implants

**THURSDAY SEPTEMBER 18**

- Satellite Industry Symposia
  - Dentsply
  - Friadent
  - Geistlich
  - Sybron Implant Solutions

- PLENARY SESSION 1
  - Medical impairment, oncology, bisphosphonate, extra oral cases

**FRIDAY SEPTEMBER 19**

- PLENARY SESSION 2
  - Bioactive surfaces: nanotechnology, genomics, proteomics
  - Master Classes
  - Anatomical risk factors, augmentation of implant site
  - Short Oral Communications

- CLINICAL ADVANCES
  - Orthodontics application, paediatric indications

- PLENARY SESSION 3
  - Biomedical imaging, digital planning and transfer to clinical procedure, navigation and guided implant placement

- PLENARY SESSION 4
  - Gerimplantology, quality of life, simplify treatment protocol, long term management

- Basic Research Competition

**SATURDAY SEPTEMBER 20**

- PLENARY SESSION 5
  - Treatment in the Aesthetic zone

- Closing Ceremony

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**Abstract Committee**

Fernando ALMEIDA, Portugal
Matteo CHIAPASCO, Italy
Nikolaos DONOS, United Kingdom
Jens FISCHER, Switzerland
Klaus GOTFREDSEN, Denmark
Adrian GUERRERO, Spain
Robert HAAS, Austria
Christoph HÄMMERLE, Switzerland
Rheinhilde JACOBS, Belgium
Philippe KHAYAT, France
Ralf-Joachim KOHAL, Germany
Martin LORENZONI, Austria
Pascal MARQUARDT, Germany
Pascal VALENTINI, France
Dietmar WENG, Germany
Werner ZECHNER, Austria

**Scientific Committee**

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Andrzej WOJTOWICZ, Poland
Christoph HÄMMERLE, Switzerland
Georg MAILATH-POKORNY, Austria
Elzbieta MIERZWINSKA-NASTALSKA, Poland
Franck RENOUARD, France
Søren SCHOU, Denmark
Paul STONE, United Kingdom

**Research Award Committee**

Jaime A. Gil, Spain
Ueli GRUNER, Switzerland
Marc QUIRYNEN, Belgium
Georg WATZEK, Austria
Massimo SIMION, Italy
Ann WENNERBERG, Sweden
Frank SCHWARZ, Germany
Søren SCHOU, Denmark

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**EOA Board Members (2007-2008)**

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**EOA 2008 Council**

David HARRIS, Ireland
Massimo SIMION, Italy
Georg WATZEK, Austria
Thursday, September 18, 2008

13:40 - 14:20

> OPENING CEREMONY

David HARRIS and Andrzej WOJTOWICZ, Chairmen EAO Congress
Friedrich W. NEUKAM, EAO President
Pr. KAMINSKA, vice Rector of Warsaw Medical University

International scientific cooperation

Special lecture by the astrophysicist Alexander WOLSZCZAN
“Children of the Universe”

> Plenary Session 1

14:20 - 17:00

MEDICAL IMPAIRMENT, ONCOLOGY, BIPHOSPHONATES, EXTRA ORAL CASES

Chairpersons: Friedrich W. NEUKAM, Germany
Wieslaw HEDZELEK, Poland

14:20 001* ■ Osteonecrosis of the jaws: A review of the current knowledge
Thomas BEIKLER, USA

14:45 002 ■ Craniofacial implant rehabilitation: experience at the Bauru Institute
Kenji HIGUCHI, USA

15:10 003 ■ Surgical methodology that can restore quality of life
Marek KARAS, UAE

15:35-16:15 Coffee-break

16:15 004 ■ The Influence of Medical Conditions on Implant Therapy
Leo STASSEN, Ireland

16:40-17:00 DISCUSSION
Friedrich W. NEUKAM and Wieslaw HEDZELEK

* The figures refer to the abstracts you will find in the COIR issue of September

Speakers cv p. 30 - 31
Clinical Advances

14:20 - 17:00

ORTHODONTICS APPLICATION, PAEDIATRIC INDICATIONS

Chairperson: Georg MAILATH-POKORNY, Austria

14:20 023*  ■ Missing teeth in adolescents: orthodontic space closure - transplantation - implant
Adriano CRISMANI, Austria

14:50 024  ■ Implants in adolescents: advantages and risks
Georg WATZEK, Austria

15:20-16:00 Coffee-break

16:00 025  ■ Skeletal anchorage in orthodontics
Heinrich WEHRBEIN, Germany

16:30-17:00 DISCUSSION
Georg MAILATH-POKORNY

Speakers cv p. 32 - 33

* The figures refer to the abstracts you will find in the COIR issue of September
Plenary Session 2

09:00 - 12:15

BIOACTIVE SURFACES: NANOTECHNOLOGY, GENOMICS, PROTEOMICS

Chairpersons: Georg WATZEK, Austria
               Andrzej WOJTOWICZ, Poland

09:00  005*  Improving Osseointegration: Bioactive surface or site surgery technique?
       Gianmario SCHIERANO, Italy

09:30  006  Nano structures and chemical modifications on new implant surfaces
           Ann WENNERBERG, Sweden

10:00-10:45  Coffee-break

10:45  007  The role of implant surface properties for molecular signalling and osseointegration
           Peter THOMSEN, Sweden

11:15  008  Impact of Surface Hydrophilicity, Nanotechnology and Biocoating on bone regeneration at titanium implants
           Frank SCHWARZ, Germany

11:45-12:15  DISCUSSION
             Georg WATZEK and Andrzej WOJTOWICZ

Speakers cv p. 34 -35

* The figures refer to the abstracts you will find in the COIR issue of September

12:30 - 13:30

> EAO GENERAL ASSEMBLY

WARSAW ROOM
Level 4
# Master Classes

09:00 - 12:15

**ANATOMICAL RISK FACTORS, AUGMENTATION OF IMPLANT SITE**

Chairpersons: **Paul STONE, United Kingdom**  
**Søren SCHOU, Danemark**

- **09:00 026***  
  Anatomical risk in Implantology: a 3D vision  
  **Bernard CANNAS and Luc GILLOT, France**

- **10:30-11:15**  
  Coffee-break

- **11:15 027**  
  Vertical Ridge Augmentation: Available Techniques and Future Trends  
  **Massimo SIMION, Italy**

*The figures refer to the abstracts you will find in the COIR issue of September*

Speakers cv p. 36 - 37

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**12:30 - 13:30**

**EAO GENERAL ASSEMBLY**

WARSAW ROOM  
Level 4
Short Oral Communications 1

09:00 - 12:15

Chairpersons: Wolfgang BOLZ, Germany
Chantal MALEVEZ, Belgium

09:00 051* Analysis of accuracy of re-positioned abutments in various implant interfaces

09:15 052 Early loading of SLA implants supporting maxillary fixed full-arch prosthesis
LAI HC.**, ZHANG ZY. (SHANGHAI - CHINA)

09:30 053 Histomorphometric comparison of Bio-Oss and Straumann Bone-Ceramic in sinus elevation
CORDARO L.**, CHIAPASCO M., VAIA E., SERINO G., RAO W., TORSELLO F. (ROMA - ITALY)

09:45 054 Esthetic outcome of one-piece vs. two-piece implants: 3-year prospective study
YOUNES R.**, NADER N., MAKARY C., ABI-NASSIIF R., KHALIFE S., JABBOUR G. (BEIRUT - LEBANON)

10:00 055 Corrosion in implant retained cast titanium and cobalt-chrome frameworks
HJALMARSSON L.**, WENNERBERG A., SMEDBERG JI. (ESKILSTUNA - SWEDEN)

10:15 056 Method and Results in Harvesting Mandibular Bone Block Grafts
HANSER T.**, KHOURY F. (OLSBERG - GERMANY)

10:30-11:00 Coffee-break

11:00 057 Immediate Function using computer guided implants in Pterygo-maxillary region
POLIZZI G.**, CANTONI T. (VERONA - ITALY)

11:15 058 Marginal bone resorption: comparison between different rehabilitation techniques
NOWAKOWSKA J.**, BASSO M., DEL FABBRO M., FRANCETTI L. (MILAN - ITALY)

11:30 059 Clinical outcome of tapered implants placed with high insertion torques (up to 176 Ncm)
KHAYAT P.**, ARNAL H., TOURBAH B., SENNERBY L. (PARIS - FRANCE)

11:45 060 Biological & prosthetic complications with fixed prosthodontic reconstructions on implants after 2-15 years of function.
GISAKIS IG.**, ZABARAS D., BOUBOULIS , SPANOS . (ATHENS - GREECE)

12:00 061 Esthetic outcome of ceramometal and all-ceramic single-tooth implant restorations:a randomized controlled trial
GRUETTER L.**, GALLUCCI G., BELSER U. (GENEVA - SWITZERLAND)

12:30 - 13:30

EAO GENERAL ASSEMBLY
Plenary Session 3

14:00 - 16:55

BIOMEDICAL IMAGING, DIGITAL PLANNING AND TRANSFER TO CLINICAL PROCEDURES, NAVIGATION AND GUIDED IMPLANT PLACEMENT

Chairpersons: Christoph HÄMMERLE, Switzerland
Elzbieta MIERZWINSKA-NATASLKA, Poland

14:00  009*
How can the explosive development in radiology best be used in implant dentistry
Hans Goran GRONDAHL, Sweden

14:25  010
Accuracy of surgical guides and benefits for the clinic
Nele VAN ASSCHE, Belgium

14:50  011
Guided surgery to avoid sinus grafting in situations with severe bone deficiencies
Thomas FORTIN, France

15:15-16:00  Coffee-break

16:00  012
Computer-guided implantology in aesthetic cases
Philippe TARDIEU, UAE

16:25-16:55  DISCUSSION
Christoph HÄMMERLE and Elzbieta MIERZWINSKA-NATASLKA

* The figures refer to the abstracts you will find in the COIR issue of September

Speakers cv p. 40 - 41
Clinical Research Competition

13:45 - 16:55

Chairpersons: Ueli GRUNDER, Switzerland
Marc QUIRYNEN, Belgium

13:45 043* Marginal bone levels and soft tissue response around scalloped implants followed prospectively for 3 years in function
KHRAISAT A.**, ZEMBIC A., JUNG R., HÄMMERLE C. (AMMAN - JORDAN)

KOHAL R.**, KNAUF M., BUTZ F., LARSSON B. (FREIBURG - GERMANY)

14:25 045 Immediate and Early Loading of SLActive Straumann Implants: 12-month results

14:45 046 Comparison of implants in regenerated or native bone: 5-year results
BENIC GI.**, JUNG RE., SIEGENTHALER DW., HÄMMERLE C. (ZÜRICH - SWITZERLAND)

15:05-15:35 Coffee-break

15:35 047 4 mm implants supporting FPD in severely resorbed posterior mandible
GRØNNINGSÆTER AG.**, ISAKSSON S., MORDENFELD A., SLOTTE C., ÖHRNELL LO. (BERGEN - NORWAY)

15:55 048 Platform switching and individual bone pattern: clinical and histological RTC
CANULLO L.**, GOTZ W., GOGGLIA G., IANNELLO G. (BONN - GERMANY)

16:15 049 Implantology as a reason for bisphosphonate-associated-osteonecrosis-of-the-jaws (BP-ONJ)
WALTER C.**, AL-NAWAS B., WAGNER W. (MAINZ - GERMANY)

16:35 050 SURVIVAL RATE OF AUTOTRANSLANTED TEETH AFTER 10 YEARS
STRBAC GD.**, FUERST G., ZECHNER W., GRUBER R., WATZEK G. (VIENNA - AUSTRIA)

Speakers cv p. 42 - 43

* The figures refer to the abstracts you will find in the COIR issue of September  ** Presenters
### Short Oral Communications 2

**14:00 - 17:00**

**WARSAW ROOM**  
Level 4

**Chairpersons:** Frauke MÜLLER, Switzerland  
Fouad KHOURY, Germany

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
<th>Speaker(s)</th>
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| 14:00 | Bone apposition around two different SLA implant surfaces at defect sites  
LAI HC.**, ZHUANG LF., ZHANG ZY. (SHANGHAI - CHINA) |  
LAI HC.**, ZHUANG LF., ZHANG ZY. (SHANGHAI - CHINA) |
| 14:15 | Immediate rehabilitation of the edentulous mandible with a definitive prosthesis supported by an intra-oral welded titanium bar.  
DEGIDI M.**, NARDI D., PIATTELLI A. (BOLOGNA - ITALY) |  
DEGIDI M.**, NARDI D., PIATTELLI A. (BOLOGNA - ITALY) |
SCHWARZ E**., SAHNM N., FERRARI D., ROTHAMEL D., SAGER M., BECKER J. (DÜSSELDORF - GERMANY) |  
SCHWARZ E**., SAHNM N., FERRARI D., ROTHAMEL D., SAGER M., BECKER J. (DÜSSELDORF - GERMANY) |
| 14:45 | Osseointegration of implants with biofunctionalized surfaces in comparison to the ANKYLOS® plus implant surface  
SCHLEGEL KA.**, NONHOFF J., NKENKE E., LUTZ R., SROUR S., WEISEL T., NEUKAM FW. (ERLANGEN - GERMANY) |  
SCHLEGEL KA.**, NONHOFF J., NKENKE E., LUTZ R., SROUR S., WEISEL T., NEUKAM FW. (ERLANGEN - GERMANY) |
| 15:00 | Elemental microanalysis following maxillary sinus augmentation with Bio-Oss® or BoneCeramic®  
LINDGREN CL.**, HALLMAN MH., SENNERBY LS., SAMMONS RS. (LINKÖPing - SWEDEN) |  
LINDGREN CL.**, HALLMAN MH., SENNERBY LS., SAMMONS RS. (LINKÖPing - SWEDEN) |
| 15:15 | A systematic review of GBR treatments for peri-implantitis defects  
SAHRMANN P.**, HÄMMERLE C., ATTIN T., SCHMIDLIN PR. (ZÜRICH - SWITZERLAND) |  
SAHRMANN P.**, HÄMMERLE C., ATTIN T., SCHMIDLIN PR. (ZÜRICH - SWITZERLAND) |
| 15:30-16:00 | **Coffee-break**  

16:00 | Effect of pharmacologic treatment on inferior alveolar nerve injury after implant surgery.  
KIM ST.**, KIM HT., MERRILL R. (SEOUL - KOREA, REPUBLIC OF) |  
KIM ST.**, KIM HT., MERRILL R. (SEOUL - KOREA, REPUBLIC OF) |
| 16:15 | Accuracy Of A CT Guided Template Assisted Implant Placement System: An In Vitro Study  
HORWITZ J.**, ZUABI O., MACHTEI E. (HAIFA - ISRAEL) |  
HORWITZ J.**, ZUABI O., MACHTEI E. (HAIFA - ISRAEL) |
| 16:30 | Clinical results of anti-microbial photodynamic therapy for peri-implantitis  
NEUGEBAUER J.**, KARAPETIAN VE., LINGOHR T., SCHEER M., ZÖLLER JE. (KÖLN - GERMANY) |  
NEUGEBAUER J.**, KARAPETIAN VE., LINGOHR T., SCHEER M., ZÖLLER JE. (KÖLN - GERMANY) |
| 16:45 | Immediate loading of 2-implants mandibular overdentures - Active-in-one-Day  
STOKER G.**, WISMEYER D. (AMSTERDAM - THE NETHERLANDS) |  
STOKER G.**, WISMEYER D. (AMSTERDAM - THE NETHERLANDS) |

* The figures refer to the abstracts you will find in the COIR issue of September  ** Presenters

Speakers cv p. 44 - 45
Plenary Session 4

09:00 - 12:45

GERO-IMPLANTOLOGY, QUALITY OF LIFE, SIMPLIFY TREATMENT PROTOCOL, LONG TERM MANAGEMENT

Chairpersons: Jaime A. GIL, Spain
Carlo MAIORANA, Italy

09:00 013*  
- Implants in the proactive management of failing dentitions  
  John BESFORD, United Kingdom

09:25 014  
- Risks and benefits of implants in elderly adults  
  Frauke MÜLLER, Switzerland

09:50 015  
- Quality of life assessment and implantology: Clinical entity or clinical myth  
  Ciaran O'BOYLE, Ireland

10:15 - 11:00 Coffee-break

11:00 016  
- Overdentures in upper and lower jaw, 2nd class therapy?  
  Marc QUIRYNEN, Belgium

11:25 017  
- Immediate loading protocol with mandibular overdentures  
  Christophe RIGNON-BRET, France

11:55 018  
- Implant overdentures. Post treatment care  
  Piotr OKONSKI, Poland

12:15-12:45 DISCUSSION
Jaime A. GIL and Carlo MAIORANA

Speakers cv p. 46 - 47

* The figures refer to the abstracts you will find in the COIR issue of September

14:15 - 14:30

RESEARCH AWARD CEREMONY

Chairperson: Friedrich W. NEUKAM, Germany  p. 54
Presentations by Polish National Implant Association (OSIS)

09:00 - 12:45

Chairpersons: David HARRIS, Ireland
Eugeniusz SPIECHOWICZ, Poland

09:00  Welcome address
Andrzej WLODARCZYK, President of Medical and Dental Chamber, Poland

09:05  The grafting of 3D scaffold infiltrated by human osteogenic cell as a new method for bone augmentation
Piotr WYCHOWANSKI, Poland

09:35  Computer assisted implant treatment - a thin line between easy implantations and new possible complications
Elzbieta MIERZWINSKA-NASTALSKA and Lukasz LOMZYNSKI, Poland

10:05  Long-term evaluation of bone augmented after stem cells CD 34+ transplantation in pre-prosthetic surgery
Andrzej WOJTOWICZ, Poland

10:35-11:15  Coffee-break

11:15  The new concept of treatment of edentulous mandible
Krzysztof SLIWOWSKI, Germany

11:45  Clinical ramifications of dental implants with modified surfaces application in bone regeneration area
Piotr MAJEWSKI, Poland

12:15-12:45  DISCUSSION
David HARRIS and Eugeniusz SPIECHOWICZ

Speakers cv p. 48 - 49

* The figures refer to the abstracts you will find in the COIR issue of September

14:15 - 14:30

RESEARCH AWARD CEREMONY

Chairperson: Friedrich W. NEUKAM, Germany  p. 54
Basic Research Competition

09:00 - 12:50

Chairpersons: Massimo SIMION, Italy
Ann WENNERBERG, Sweden

09:00 033*
Histological Changes in the Maxillary Sinus Membrane After Sinus Membrane Elevation and the Simultaneous Insertion of Dental Implants Without the Use of Grafting Materials
CHOI BH.**, SUL SH., LI J., JEONG SM., XUAN F. (SEOUL - KOREA, REPUBLIC OF)

09:20 034
Location of Bone Margin Around Loaded Implants Incorporating Platform-Shifting
THOMA DS.**, BOSSHARDT D., JUNG RE., HIGGINBOTTOM F., HÄMMERLE C., BUSER D., WIELAND M., COCHRAN DL. (SAN ANTONIO - USA)

09:40 035
Quantitative qPCR analysis of IL-1, IL-6, IL-10, TNF-alpha in periimplantitis
KARAPETIAN V.**, LOWDEN E., ZÖLLER J. (COLOGNE - GERMANY)

10:00 036
Is Zirconia a possible replacement of Titanium for oral implants?
SETZER B.**, BÄCHLE M., KOHAL RJ. (FREIBURG - GERMANY)

10:20 037
Evaluation of Biological Implant Surface Coatings – An animal study
STADLINGER B.**, MAI R., ECKELT U. (DRESDEN - GERMANY)

10:40 038
Longitudinal evaluation of PICF PGE2 and MMP-8 levels after implantation
ZEREN C.**, YALCIN S., YALCIN F., OZDEMIR T. (ISTANBUL - TURKEY)

11:00-11:30 Coffee-break

11:30 039
UV-enhanced osseointegration capacity mediated by selective cell affinity

11:50 040
Accelerated healing of dental implants with calcium phosphate coating
LUTZ R.**, SROUR S., NKENKE E., NEUKAM FW., SCHLEGEL KA. (ERLANGEN - GERMANY)

12:10 041
One-piece ceramic implant: Strength and Reliability
SILVA N.**, COELHO P., FERNANDES C., BONFANTE E., THOMPSON V. (NEW YORK - USA)

12:30 042
Bundle bone in the healing of extraction sockets.
CARDAROPOLI G.**, TOLEDOANO M., OSORIO R., THOMSEN P. (NEW YORK - USA)

14:15 - 14:30

RESEARCH AWARD CEREMONY

Chairperson: Friedrich W. NEUKAM, Germany
> Plenary Session 5

14:30 - 16:30

TREATMENT IN THE AESTHETIC ZONE:
RESTORATIVE, SOFT TISSUES, SURGICAL PLACEMENT

Chairpersons: David HARRIS, Ireland
Franck RENOUARD, France

14:30 019*
■ Aesthetic treatment of complex cases - Hard and soft tissue management
Patrick PALACCI, France

14:55 020
■ How much surgery is needed to achieve an ideal aesthetic result with implants
Ueli GRUNDER, Switzerland

15:20 021
■ Aesthetic Implant Therapy - Site Preservation & Reconstruction - Minimizing Risks & Managing Complications
Anthony SCLAR, USA

15:45 022
■ Mastering implant restorative procedure for optimal aesthetics in the aesthetic zone
Iñaki GAMBORENA, Spain

16:10-16:30
DISCUSSION
David HARRIS and Franck RENOUARD

Speakers cv p. 52 - 53

* The figures refer to the abstracts you will find in the COIR issue of September

16:30 - 16:35
> CLOSING CEREMONY
Current treatment modalities for socket- and ridge preservation

- New scientific insights with high practical relevance
  Tooth extraction will be followed by marked alterations of tissue volume. In particular, latest scientific studies prove, that the exposure of the buccal bone (flap elevation) has a detrimental effect on the resorption process occurring after tooth extraction. The advantages and risks of flapless procedures will be outlined and discussed. How the treatment of the extraction socket with Geistlich Bio-Oss® Collagen and a free gingival graft can compensate for the resorption process occurring will be described in detail. Exciting scientific insights with high practical relevance can be expected.

Speaker: Markus HÜRZELER

- Simplify your Augmentation – What to Consider at Extraction to Simplify the implant placement
  Implant placement in naturally healed extraction sockets often is impossible, unless simultaneous or even preimplantological bone augmentation is performed. However, simultaneous implant insertion and bone augmentation require high surgical skills and sometimes cause problems in wound healing. A convincing treatment concept for extraction sockets in which immediate implant placement cannot be achieved includes filling of the intact socket with non-resorbable bone graft materials (socket preservation), healing of several months, and late implant placement without simultaneous augmentation procedures. When the socket shows a crestal bony defect, the usage of a resorbable collagen membrane is indicated (ridge preservation). The separation of the time points of bone augmentation and implant placement reduces problems with wound healing, facilitates an easier soft tissue management, and simplifies the surgical demands.

Speaker: Dietmar WENG

Maximized Implant Designs for Immediate Loading and Stabilization - The Next Generation in Dental Implant Solutions

As a leading dental professional in your area we would like to invite you as our guest to join us for an enjoyable morning with breakfast and discussion on new technologies to increase the effectiveness of your implant practice.

Speakers:
- Dr Nicholas Elian, University of New York
- Dr Adam Ziemlewski, Poland

The program covers subjects as
- Surgical Predictability,
- Maintaining Crestal Bone,
- Primary Stability,
- Immediate Loading,
- Platform switching,
- Biomimetic nanostructured implant surfaces

Come and discover why you need to partner with Sybron Implant Solutions
**Satellite Industry Symposia**

**AUDITORIUM**  
17:15 - 19:15

The focus of Nobel Biocare Corporate Forum is the detailed analysis of different treatment sessions, demonstrating evidence based solutions for all indications. A moderator and panel of expert dental professionals will provide in-depth commentary and presentations of the Science supporting each demonstration.

**Solution for the partially edentulous patients**

- Surgical solution: Rehabilitation of partially edentulous arch using NobelGuide™  
  Ralf Kohal, Germany

- NobelActive™ implant system - one year clinical study  
  Moshe Goldstein, Israel

**Solution for the esthetic demanding patients on teeth and implants**

- Esthetic rehabilitation of teeth and implant supported reconstruction using Procera® techniques  
  Stefan Holst, Germany and Hans Geiselhöringer, Germany

**Solution for the edendulous patients**

- Implant Surgery: All-on-4™ solution using NobelSpeedy implants  
  Krzysztof Awillo, Poland

**CONCERT**  
17:15 - 19:15

A good evening with Astra Tech.  
Digital dentistry – yet the toothbrush still saves the day

The program covers modern dentistry, where the tools and procedures have become more and more advanced, while the prerequisite for successful implant treatment is still based on patient compliance and continuous supportive care.

**Moderator:**  
Jan LINDHE, Sweden

- Digital dentistry - from planning to follow-up  
  Stefan HABFELD, Germany

- Image based digital dentistry, the promise and reality of virtual treatment planning and prosthetic options  
  Clark STANFORD, USA

- Single tooth replacement; Patient compliance and supportive care  
  Jan LINDHE, Sweden

**WarSaw**  
17:15 - 19:15

SimPlant® CompatAbility, guiding you to your comfort level

SimPlant is the world’s first interactive 3D implant planning system for accurate and predictable treatment planning of dental implants.

The SimPlant system is straightforward and hassle-free. It’s a concept that knows you have your own preferred brands and protocols, so this technology is designed to be compatible with them all. This is SimPlant CompatAbility and it means versatility for everyone, whether a beginner or an experienced user.

**Simple, compatible and unique.**

**SIMPLE**

Lecturers with years of experience using this technology will show how easy it is to start planning your cases with the SimPlant software and what the advantages are in relationship to accuracy, predictability, patient comfort and patient acceptance.

**COMPATIBLE**

The SimPlant technology offers guided surgery solutions for all implant and (CB) CT scanner brands.

Clinical case presentations will show how mucosa or tooth-supported SurgiGuide drill guides make flapless surgery predictable and reliable. You’ll also see that the system is flexible, in offering the possibility to raise a flap whenever needed.

**UNIQUE**

The world of implant dentistry is evolving quickly. For over 15 years Materialise Dental is at the forefront of technological innovations in the dental field. Witness the newest developments from the first row!

**Speakers:**

- Michael R. NORTON, BDS, London, UK
- Philippe B. TARDIEU, DDS, Dubai, UAE
- Other speakers TBD

Further programme updates can be viewed at [www.simplantacademy.org](http://www.simplantacademy.org)
Satellite Industry Symposia

17:15 - 19:15

Auditorium

Excellence In All Solutions

Continuous innovation provides better outcomes and simplified procedures in implant and restorative dentistry. Straumann’s Symposium will outline how next-generation materials and procedures can have a remarkable impact on daily practice. These innovations are supported by solid scientific evidence from pre-clinical and clinical studies. Latest findings for exciting new materials will be presented. You will discover valuable options to use in your daily practice through a comprehensive look at current and future Straumann solutions.

Moderator:
Christoph HÄMMERLE, Switzerland

- Make a difference with the next-generation implant properties
  Speaker: Jan GOTTLOW, Sweden
- New reduced diameter implants for wider clinical options
  Speaker: Stephen BARTER, United Kingdom
- From decision criteria to successful treatment outcome - the choice of procedure and material
  Speakers: Irena SAILER, Switzerland
  Christoph HÄMMERLE, Switzerland

Simultaneous translation will be available in Polish and Japanese

Warsaw

Connecting Science

Advanced technologies For Optimized Implant Planning & Treatment

Moderator:
Dr Piotr MAJEWSKI, Poland

Speaker:
Dr Alan MELTZER, USA

BIOMET 3i Corporate Forum will focus on new Technologies designed to make implant treatment more predictable while achieving the optimal aesthetics.

- NanoTite™ The Unique Bone Bonding® Surface
  The next generation surface technology, the NanoTite Implant incorporates the complex architecture at the nanoscale which renders it a Bone Bonding Surface.
- High Precision Guided Surgery: Navigator™ System
  Navigator is the Biomet 3i guided surgery solution that helps surgeons plan patient treatments by using 3D diagnostic imaging such as computed tomography. With the help of the three dimensional images clinicians are able to “look” inside the patient’s body, plan the treatment before the surgery, and perform the surgery with the help of a surgical guide manufactured according to their plan.

Simultaneous translation will be provided in Polish and Japanese

Concert

17:15 - 19:15

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Biomet 3i

Connecting Science

Advanced technologies For Optimized Implant Planning & Treatment

Moderator:
Dr Piotr MAJEWSKI, Poland

Speaker:
Dr Alan MELTZER, USA

BIOMET 3i Corporate Forum will focus on new Technologies designed to make implant treatment more predictable while achieving the optimal aesthetics.

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  The next generation surface technology, the NanoTite Implant incorporates the complex architecture at the nanoscale which renders it a Bone Bonding Surface.
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Simultaneous translation will be provided in Polish and Japanese
Posters

Posters authors will be presenting their work on Friday, 19 from 12:30 am to 01:30 pm and on Saturday, 20 from 01:00 am to 02:00 pm.

072 The comparison of osteointegration of SLActive,SLA,BL implants using DVT pictures, bone level profile device and ostell-mentor system: case report

073 Immediate implant placement and bony mucosal papilla healing in aesthetic areas

074 Screw-retained implant-supported zirconia crowns: 12 months study

075 Extraction Socket Soft and Hard Tissue Classification: Reliability and Validation

076 Simultaneous procedure including implant placement, GBR and SECTG.

077 Simultaneous GBR and Immediate Implant, leaving the gingival collar intact.

078 Optimal Function and Esthetic in Full-Mouth Implant Reconstruction: Case Series

079 Esthetic and Biological Evaluation of Implant-Supported Restorations: Case Series

080 High-Tech Esthetics: The Zirconia Implant Approach

081 Significance of prosthetic components on peri-implant mucosa color changes

082 Immediate implantation in inflamated versus non-inflamed sockets: clinical, radiological outcomes

083 Autogenous bone block with immediate implant placement in anterior maxilla

084 Tooth replacement using an ankylos implant with a cercon abutment and cercon crown

085 Gingivomorphometry- A new method for collection and measurement of standardized & reproducible data in oral photography

086 Dimensional Comparison of Interproximal Soft-tissue on Multiple-Implants and Contra-lateral Natural Teeth

087 Extraoral fixtures for nasal epithese

088 Multicentric prospective study of immediately provisionalized postextractive implants

089 Outcome analysis of immediately-placed, immediately restored implants in the aesthetic area: the clinical relevance of different inter-implant distances

090 Evaluation of implant-supported single crown esthetics: 2-year follow-up

091 Comparison of impression making procedures for esthetic implant restoration

092 The Influence of Immediate Implant Loading on the Gingival Aesthetics

093 Intraoral luting: new prosthetic design to achieve aesthetics and passivity

094 Ridge augmentation of the anterior maxilla using cancellous freeze-dried block allografts

095 Marginal Adaptation in Provisional Crowns of Immediate Single Tooth Implants

096 Soft tissue and bone evaluation around custom made abutments
097 Congenital missing teeth: Prosthetic rehabilitation following orthodontic treatment
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098 Immediate implantation with zircon implants - a preliminary report
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099 Multidisciplinary treatment for missing upper central incisor in an adolescent
PELIVAN I.*, MESTROVIC S., SUSIC M. (ZAGREB - CROATIA)

100 Implant treatment of pediatric oligodontia
KIM NH.*, YUN XI, CHOI YJ. (SEOUL - KOREA, REPUBLIC OF)

101 Implant replacement of congenitally missing lateral incisor in maxilla
ECCELLENTE T., PIOMBINO M., ROSSI A., D’ERRICO M.*, FESTA P. (GRUMO NEVANO (NA) - ITALY)

102 Implant treatment protocol for the patients with Parkinson’s disease
KONG KA.*, CHO YJ. (SEOUL - KOREA, REPUBLIC OF)

103 Ridge Preservation using Bio-oss® and collagen membrane without flap primary closure
HUANG KC.*, CHEN CJ., TSENG CC. (TAIPEI - TAIWAN)

104 The influence of management of periodontal biotypes in sustaining soft tissue aesthetics around anterior maxillary implants: strategies for success
SURATHU N.* (NEW DELHI - INDIA)

105 Bone response between platform switched implants in minipigs
ELIAN N.*, BLOOM M., ABREU A., FRITSCHER G., CHAVES JR. A. (PORTO ALEGRE - BRAZIL)

106 Implant restoration with congenital absence of maxillary lateral incisors
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107 Osteogenic distraction for implant placement correction

108 Preservation of buccal bone wall after immediate implant placement followed by immediate function. A case report
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162 Atraumatic Removal of very well Integrated but misplaced or misangulated Implants JAFARI SM.*, JAFARI SM. (TEHRAN - IRAN)

163 Meta-analysis of peri-implant crestal bone loss of different implant surfaces ZECHNER W.*, KAML C., VASAK C., GEORG W. (VIENNA - AUSTRIA)

164 Immediate implantation and buccal bone remodeling following flap/flapless approach NOVAES JR. A.*, BARROS R., PAPALEDIS V. (RIBERBAO PRÉTO - BRAZIL)

165 The use of laser in dental implants decontamination GONÇALVES F.*, GRANIERO JM., ZANETTI RV., ZANETTI AL., MARTELLI FS. (SÃO PAULO - BRAZIL)

166 Anaerobic bacterial contamination of bone pieces collected during implant surgery KOGA T.*, ISHIHARA K., OKUDA K. (CHIBA - JAPAN)

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170 A retrospective study on success of Southern Implants installed in periodontal clinics VANDEWEGHE S., THEVissen E.*, TEERUNCK J., DE BRUYNE H. (GHENT - BELGIUM)

171 Immediate placement of wide body implants in the molar region ACKERMANN A., VANDEWEGHE S., VAN AELST L.*, DE BRUYNE H. (GHENT - BELGIUM)

172 Clinical evaluation of an angled implant up to 3-years in function VANDEWEGHE S.*, THEVissen E., TEERUNCK J., DE BRUYNE H. (GHENT - BELGIUM)

173 Migrated implant body removed from hiatus semilunaris by endoscopic operation KIYAMURA A.*, OKUMURA T., SHIBAHARA K., ASAHINA I. (NAGASAKI - JAPAN)

174 The correlation of bone to implant contact measurement between cone beam CT and histomorphometry KHONGKHUNTHIAN P.*, LAKKRAISORN K., THONGDEE J., SOOKPRAITHOOM D., KUSOL R., THARANON W. (CHIANG MAI - THAILAND)

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177 Influence of early exposure on the crestal bone loss around implants MOON IS.*, KIM TH., LEE DW. (SEOUL - KOREA, REPUBLIC OF)

178 Safety of preoperative panoramic radiographs for anterior mandibular implants VAZQUEZ L.*, BÉLER U., SAMSON J., BERNARD JP. (GENEVA - SWITZERLAND)

179 Surgical repair of sinus membrane perforations using PRF (Platelet-rich Fibrin) technique BOLUKBASI N.*, ERSANLI S., OZDEMIR T. (ISTANBUL - TURKEY)

180 Clinical effects and literature analysis of 980nm-diode laser in Implantology SHENOUDA A.*, ROMANOS G. (ROCHESTER, NY - USA)

181 Determination the primary stability and the changes in early healing for ITI and Replace Select tapered implants ROKIN A.*, RASOOLI GAHROODI A., MIREMADI A., MESGARZADE A. (TEHRAN - IRAN)

182 Clinical evaluation of fixed zirconia-based restorations on implants LINKEVIZCIS T.*, VLADIMIROVAS E., GRYBAUSKAS S., POISYS A. (VALNIUS - LITHUANIA)


185 Clinical and radiographical evaluation of Biohorizon implants KARABUDA BA.*, GÜLTEKIN E., AKILLI J., ABDEL-HAK C., ERSANLI S., YALÇIN S., OZDEMIR T. (ISTANBUL - TURKEY)

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- Maurizio S. TONETTI, Italy
- Dietmar WENG
- Orcan YÜKSEL, Germany
- Adam ZIEMLEWSKI, Poland
- Jan LINDHE, Sweden
- Stephen BARTER, United Kingdom
- Ralf KOHAL, Poland
Dr. Beikler is a board certified Periodontist and holds an active unlimited medical and dental license in Germany. Following his military service he received his medical and dental education at the Universities of Münich and Würzburg, respectively. He earned a Dr. med. and a Dr. med. dent. degree from those universities and a Dr. med. dent. habil. degree (Ph.D.-equivalent) from the University of Münster, Germany, where he also received his periodontal specialty training. Prior to his relocation to Seattle he served as Associate Professor and Assistant Director in the Department of Periodontics at the University of Münster. Dr. Beikler currently holds the position of Associate Professor at the Department of Periodontics, teaches at the predoctoral and graduate level and maintains an intramural practice limited to Implant Dentistry and Periodontics.

Osteonecrosis of the jaws: A review of the current knowledge

Bisphosphonates have emerged as the agents of choice for the treatment of osteoporosis and skeletal complications of malignancy. Since 2003 osteonecrosis of the jaw (ONJ) has been described as a potential severe side effect of bisphosphonate therapy and confirmed as a disease entity, distinctively different from osteoradionecrosis. ONJ is a challenging clinical entity with a high impact on quality of life. Although ONJ occurs exclusively or almost exclusively in patients receiving bisphosphonate therapy, a causal association has not been shown, and the disease mechanism is not clear. This presentation gives an overview of the current knowledge on ONJ and attempts to consolidate the rapidly expanding literature into practical guidelines for the treatment and prevention of ONJ.
Surgical methodology that can restore quality of life
The aim of surgery since the early days of medicine is to repair and restore anatomy and functions of human body. The full quality of life can be only experienced by a person with no physical disability. Maxillofacial surgery deals with the most important for psychological well-being part of human body. Facial defects and deformities are usually of huge importance for patients, as they are obvious to “the whole world”. Impaired facial functions can make it impossible to learn or work. Lack of self-acceptance very often leads to serious psychological and social problems affecting a quality of life. Examples of surgical restoration of the quality of life will be presented.
Clinical advances
Orthodontics application, paediatric indications

> Georg MAILATH-POKORNY

1979  MD degree, Medical School, University of Vienna
1979-1981  Residency at the KA Rudolfsspitizl hospital, Vienna
1981-1985  Fellowship, AKH (General Hospital) Vienna, Maxillofacial unit (Head: Dr. S. Wunderer)
1985-1987  Training at the Medical University of Vienna, Dental Clinic, Head: Dr. K. Keresztesi
1987  Graduation Special Dentistry and Oral and Maxillofacial Surgery
1987  Fellowship at the University Clinic, Vienna (Head- Univ. Prof. DDr. Georg Watzek). Department of oral surgery
1991  PhD degree oral and maxillofacial medicine, in particular oral surgery
1992  Deputy Head of the Department of oral surgery at the Dental School of the Medical University of Vienna (Head Univ. Prof. DDr. Georg Watzek).
1998  Professorship of the University Vienna, specialising in oral surgery.
2003  President of the Austrian society for oral surgery and implantology.
2004  Opening of the “Academy of oral Implantology” in Vienna
2005  Representing Prof. Watzek as head of the postgraduate training for oral Implantology at the medical university of Vienna
2006  Board member of the EAO

Author and co-author of 5 Textbooks and over 100 national and international Publications on oral surgery.

Missing teeth in adolescents: orthodontic space closure - transplantation – implant

The treatment of teeth missing in adolescents, either in congenital absence or due to trauma, is difficult particularly when the anterior region of the maxilla is involved. The reason is the achievement of a satisfactory functional and aesthetic result not only immediately after treatment but also after many years. The multidisciplinary treatment possibilities for replacing the missing teeth have to be considered in relation to the number and type of teeth to be replaced and the existent malocclusion. Basically, the orthodontic space closure with neighbouring teeth, the transplantation of premolars or the insertion of implants after opening the space are available. Different approach philosophies and several clinical examples will be given and discussed in the course of the presentation.

Implants in adolescents: advantages and risks

Treatment of tooth aplasia or loss in adolescents using conventional prosthodontic approaches has been shown to be inadequate for a number of reasons. Considering the current state-of-the-art of implantologic techniques it therefore appears meaningful to improve these conventional treatment attempts by the use of implant-borne tooth restorations. With the current state of experience after treatment of more than 350 patients and an observation period up until 15 years single-tooth implants can still not be recommended during the growth phase. However, for major tooth gaps or extensive oligodontia early implant insertion allows for normal development of the stomatognathic system, facilitates orthodontic treatment and spares the patient the serious drawback of a mucosa-borne prosthesis. It may also help to avoid extensive correction surgery at later stages. It is especially in the anterior mandibular region that implants can be successfully used at an early stage, while their use is limited in the posterior mandibular region. Extensive implant-borne restorations in the maxilla will invariably require implant correction by osteotomy or distraction osteogenesis once growth has slowed down with advancing age.

> Adriano CRISMANI

1994 Graduation as Doctor of Dental Medicine and Dental Prosthetics, University of Trieste, Italy.
Since 1995, Instructor and Senior Resident at the Department of Orthodontics, University Clinic of Dentistry, Medical University of Vienna, Austria.
Since 2004, Deputy Head of the University Clinic of Dentistry, Medical University of Vienna, Austria.
Since 2006, Associate Professor. Scientific focus on transitional skeletal anchorage in orthodontics, temporomandibular joint and orthodontics, and biomechanics. 79 publications in English, German and Italian language; 68 oral presentations at national and international congresses.

> Georg WATZEK

1970  MD degree, Medical School, University of Vienna 1975 Speciality board examination in dentistry (DDS) Residency at Dept. Of Oral and Maxillofacial Surgery, University of Vienna
1976  Fellowship at Columbia University, New York 1978 Residencies at Neurosurgery and ENT Department, University of Vienna
1979  Specialty board examination in Oral and Maxillofacial Surgery
1982  Head of Department of Oral Surgery, University Clinic of Dentistry, Medical University of Vienna
1983-2002  President of the Austrian Society for Oral Surgery and Implantology
1987-1989  Chairman of the School of Dental Surgery of the University of Vienna 1989-1993 President of the Austrian Society of Dentists and Stomatologists
1991  Honoraty member of the Hungarian Society of Dentists and Stomatologists
1994-1997  Visiting Professor at the University of Pennsylvania
1998  Chairman of the School of Dentistry of the Medical University of Vienna
2003 - 2004  President of the European Association for Osseointegration (EAO)
2003  Honoraty member of the German and Czech Society of Implantology
2006  Associated Editor of the International Journal of Oral & Maxillofacial Implants (JOMI)
Author of 8 textbooks and more than 250 publications

Implants in adolescents: advantages and risks

Treatment of tooth aplasia or loss in adolescents using conventional prosthodontic approaches has been shown to be inadequate for a number of reasons. Considering the current state-of-the-art of implantologic techniques it therefore appears meaningful to improve these conventional treatment attempts by the use of implant-borne tooth restorations. With the current state of experience after treatment of more than 350 patients and an observation period up until 15 years single-tooth implants can still not be recommended during the growth phase. However, for major tooth gaps or extensive oligodontia early implant insertion allows for normal development of the stomatognathic system, facilitates orthodontic treatment and spares the patient the serious drawback of a mucosa-borne prosthesis. It may also help to avoid extensive correction surgery at later stages. It is especially in the anterior mandibular region that implants can be successfully used at an early stage, while their use is limited in the posterior mandibular region. Extensive implant-borne restorations in the maxilla will invariably require implant correction by osteotomy or distraction osteogenesis once growth has slowed down with advancing age.
Skeletal anchorage in orthodontics

The lecture describes clinical applications of skeletal anchorage in orthodontics: Areas of indication, anchorage devices, insertion areas, indications and potential palatal implants, onplants and bone anchors are used as anchorage devices. Depending on treatment task and bone supply available, the following aspects are presented: insertions areas (e.g. interdental septum, supraapical area, palate, retromolar area), selection criteria and advantages/disadvantages of the one or other device, force systems applied, success rate and the soft tissue or hard tissue conditions in the insertion areas. At present the possibilities of skeletal anchorage are broadening the orthodontic treatment spectrum, and leading to a reduction of undesired side effects.
Plenary Session 2
Bioactive surfaces: nanotechnology, genomics, proteomics

> Georg WATZEK

1970 MD degree, Medical School, University of Vienna
1973 Speciality board examination in dentistry (DDS) Residency at Dept. of Oral and Maxillofacial Surgery, University of Vienna
1976 Fellowship at Columbia University, New York 1978 Residencies at Neurosurgery and ENT Department, University of Vienna
1979 Speciality board examination in Oral and Maxillofacial Surgery
Appointed senior resident
Since 1982 Head of Department of Oral Surgery, University Clinic of Dentistry, Medical University of Vienna
1983-2003 President of the Austrian Society of Oral Surgery and Implantology
1987-1989 Chairman of the School of Dentistry of the University of Vienna
1989-1993 President of the Austrian Society of Dentists and Stomatologists
1991 Honorary member of the Hungarian Society of Dentists and Stomatologists
1994-1997 Visiting Professor at the University of Pennsylvania since 1988 Chairman of the School of Dentistry of the Medical University of Vienna
2003 - 2004 President of the European Association for Osseointegration (EAO)
2003 Honorary member of the German and Czech Society of Implantology
2006 Associated Editor of the International Journal of Oral & Maxillofacial Implants (JOMI)

Author of 8 textbooks and more than 250 publications

> Gianmario SCHIERANO

1987 Degree in Medicin and Surgery, University of Turin, Italy
1992 Specialization in Dentistry, University of Turin,
1985 He attended the Department of Maxillo-Facial Surgery University of Turin (Prof. Remo Modica),
1987 He attended the Prosthodontic Department (Prof. Giulio Preti),
1990 post-graduate in Maxillo-Facial Prosthesis (Prof.W. Kalk) in Nijmegen University (NL),
1989-1992 Tutor in oral-maxillo-facial prosthetics (Prof. Giulio Preti),
1993 Tutor in oral implantology in the Prosthodontic Department (Prof. Giulio Preti),
1994 Assistant professor in prosthodontics, responsible for oral implantology, School of Dentistry University of Turin (Prof. Giulio Preti),
2005 Associate Professor in prosthodontics.

Teacher: Dental Technology, Dental Material and Advanced Implantprosthesis.
He has produced more than 100 scientific articles and is co-author of 14 chapters of books in Italian, English and Spanish.

Improving Osseointegration: Bioactive surface or site surgery technique?
Most dental implants are positioned using a drilling surgery technique. A new piezoelectric technique has been recently introduced in bone surgery. This technique was introduced to overcome some of the limitations involving rotating instruments in bone surgery. This presentation compare the osseointegration of porous implants positioned using traditional drills versus piezoelectric bone surgery technique by biomolecular and histologic analyses. The results are exposed.

> Ann WENNERBERG

Ann Wennerberg became a dentist in 1979, PhD in 1996 and Professor in Prosthodontics 2002.
She is the head of the Dep Prosthetic Dentistry, Faculty of Odontology, Malmö University.
Her research is aimed at finding optimal solutions for implant surfaces. Wennerberg has written above 200 scientific papers published in international peer reviewed journals. She has received several national and international awards for her research about implant surface topography.

Nano structures and chemical modifications on new implant surfaces
The presentation will present results from in vitro and in vivo investigations of potentially bioactive surfaces and implant surfaces coated with nanometer sized particles of hydroxyapatite and TiO2. Further, results from clinical studies using this kind of new implant surfaces will be reported.
The role of implant surface properties for molecular signalling and osseointegration

The host response to implanted materials follows a dynamic course which involves sequential steps of haematoma, inflammation, repair and regeneration. This includes the migration, adhesion and secretory responses of cells in the immediate implant-tissue interface. Crucial questions are:

- How are material surface properties translated into specific cellular patterns?
- Do inflammatory and regenerative processes balance each other?
- If so, may cells talk to each other during the osseointegration process?

Several modifications of specific surface properties such as topography, chemistry, surface charge, and wettability have been investigated in order to predictably improve the osseointegration of titanium implants. This might have a significant influence on the implant stability during early loading procedures as well as the outcome of bone regeneration at deficient implant sites.

The aim of the presentation is to evaluate, based on the currently available evidence, the effect of different surface characteristics on hard tissue integration of titanium implants.
Friday, September 19, 2008  9:00 - 12:15

Master Classes
Anatomical risk factors, augmentation of implant site

Paul STONE

Paul is Secretary General of the EAO Board, Chairman of the Specialty Advisory Board in Implant Dentistry of the Royal College of Surgeons of Edinburgh, a Past President of the UK Association of Dental Implantology (ADI) and Member of the General Dental Council Implant Training and Education Group.

Dr. Bernard Cannas graduated with DDS from the University Paris V in 1978. He gained his teaching attachment in Oral Surgery in 1985 and was in charge of Implant surgery at the Marne La Vallée hospital from 1995. In 1996, he acquired a teaching position in implantology at the Laboratory of Functional Anatomy of the Medical School, where he leads studies in the surgical field of guided surgery while also maintaining an exclusively implant-based private practice. In 1999, he co-founded SAPO Implant, a scientific society, dedicated to Continuing Education in the field of Implantology. He is co-author of two textbooks detailing anatomic risks as well as numerous publications in relation to immediate loading techniques. He is currently a lecturer at national and international courses and congresses in the areas of anatomy, implant surgery and prosthetics and he is involved in teaching on several academic degrees.

Dr. Gillot graduated with DDS from the University Paris V in 1983. He gained his teaching attachment in Oral Surgery in 1985. He is a legal expert working with the Court and a member of the European Association of Osseointegration. In 1996, he acquired a teaching position in implantology at the Laboratory of Functional Anatomy of the Medical School, where he leads studies in the surgical field of guided surgery while also maintaining an exclusively implant-based private practice. In 1999, he co-founded SAPO Implant, a scientific society, dedicated to Continuing Education in the field of Implantology. He is co-author of two textbooks detailing anatomic risks as well as numerous publications in relation to immediate loading techniques. He is currently a lecturer at national and international courses and congresses in the areas of anatomy, implant surgery and prosthetics and he is involved in teaching on several academic degrees.

Anatomical risk in Implantology: a 3D vision

A new approach to analyse anatomic risks in the maxilla and mandible. Despite the fact that implant placement procedures have evolved dramatically over the last decade, the correct knowledge and understanding of the anatomic structures encountered during live surgery is of great significance for both patients and surgeons. The latest progress in medical imaging and the contribution of 3D implant planning software provides us with new ways to locate and highlight risks, allowing us to adapt our surgical techniques. It permits us to take advantage of all the bone volume available, especially with flapless protocols and to provide simple, accurate and safe treatments. What is the relationship between the virtual views with the software and the clinical reality? Guided surgery is opening a new era based on anatomic knowledge.
The prime dictate prerequisite to predict long-term success for osseointegrated implants is a sufficient volume of healthy bone at recipient sites. However, a sufficient amount of bone volume is frequently lacking as a result of trauma or infectious diseases. A sufficient amount of bone volume is required to allow dental implant placement in either a simultaneous or staged approach. Vertical bone loss in partially edentulous patients constitutes a major challenge due to anatomical limitations and technical difficulties. 1994 was the year when the guided bone regeneration biological concepts were applied to partially edentulous atrophic mandibles to achieve vertical bone regeneration with the aid of titanium reinforced non resorbable membranes. By the late 90’s, small variations were applied such as adding a graft material (autogenous and demineralized freeze dried bone) under the membrane to enhance vertical bone growth, allowing a vertical gain to an extent of 7mm as reported in a study. The following years have been useful for clinicians to verify the procedure in terms of efficacy and safety. The long term implant stability and resorption pattern of bone regenerated with this technique was reported in a retrospective multicenter study of 1 to 5 years of prosthetic loading evaluating 123 implants inserted in atrophic alveolar ridges either at bone augmentation or coincident with implant placement. Nevertheless, extra or intra-oral harvesting of autogenous bone constituted a high degree of patient discomfort and morbidity. Hence, efforts were applied to decrease the volume of autogenous bone harvested by applying a 1:1 ratio of deproteinized bovine bone and autogenous bone under the e-PTFE membranes for vertical bone regeneration. Even though the results reported were proven successful, this technique still required autogenous bone harvest and the use of a non resorbable membrane, which demands an excellent operators’ skill or it can be prone to premature exposure with subsequent wound infection.

Advances in tissue engineering may offer solutions that resolve bone volume deficits and periodontal defects while at the same time eliminating some of the concerns posed by current techniques. The recombinant platelet derived growth factor (rh-PDGF-BB) has been extensively used as a potent regenerating factor in orthopeadics and periodontics with success. The principal aim would be to eliminate the need for autogenous bone harvesting and possibly eliminate the non resorbable membrane. A pre-clinical proof of principle research was recently performed by treating severe chronic mandibular defects to satisfy this aim. The end point goal of bone regeneration in the three dimensions was accomplished in the specimens treated by means of a deproteinized bovine block infused with rh-PDGF-BB. This translates to the possibility to regenerate bone vertically by using a xenograft as a scaffold infused by a potent growth factor, without the need to harvest autogenous bone or use a membrane. Two atrophic human alveolar defects were then successfully treated with the same protocol.

In conclusion, the future is moving towards an era where less invasive treatment regimes are now available to minimize complications and side effects of a surgical procedure, decrease patients’ morbidity, increase success rates and decrease technical difficulties. The maturation of tissue engineering and its application to clinical surgical procedures has helped create a new paradigm.
Short Oral Communications 1

> **BOLZ Wolfgang**

Dr. Wolfgang Bolz studied dental medicine at the University of Münich and opened up his own practice in 1977. Several educational programs led him to Switzerland, Sweden and the USA. He was General Secretary of the German Society of Periodontology (DGP) from 1989 to 1998, founding member of the European Association for Osseointegration and from 1991 to 2000 Secretary General of the EAO. He was founder and editorial board member of the journal "Parodontologie". In 1999 the DGP elected him specialist for Periodontology. After organizing the international meetings of Osseointegration in Münich he founded together with Prof. Dr. Hannes Wachtel the Institute for Periodontology and Implantology (IPI) in Münich in 1994 and opened up a new practice Dres. Bolz, Wachtel, Hürzeler, Zuhr in 1998. He is organizer of numerous national and international meetings and workshops.

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**FRIDAY MORNING**

**SHORT ORAL COMMUNICATIONS 1**

**PRESENTER**

**051** Analysis of accuracy of re-positioned abutments in various implant interfaces  
**Wiebke SEMPER**

**052** Early loading of SLA implants supporting maxillary fixed full-arch prosthesis  
**Hong-Chang LAI**

**053** Histomorphometric comparison of Bio-Oss and Straumann Bone-Ceramic in sinus elevation  
**Luca CORDARO**

**054** Esthetic outcome of one-piece vs. two-piece implants: 3-year prospective study  
**Ronald YOUNES**

**055** Corrosion in implant retained cast titanium and cobalt-chrome frameworks  
**Lars HJALMARSSON**

**056** Method and Results in Harvesting Mandibular Bone Block Grafts  
**Thomas HANSER**

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> MALEVEZ Chantal
M.D, D.D.S Professor at the Faculty of Medicine (Free University of Brussels: ULB) teaching the management of the edentulous patient and implant technologies. Vice-president of the Certificate in Implantology Clinical chief and responsible of the department of Maxillo-facial Surgery and Dentistry at the Children’s hospital of Brussels treating congenital maxillo-facial diffomities. Attached clinical chief at the department of maxillo-facial surgery at the academic Hospital Erasme, developing oral rehabilitaiton by means of osseointegrated implants. Member of the team of the cleft palate center at the children’s hospital of Brussels Member of scientific Societies: E.A.O, A.O, E.A.C.M.F.S., Royal Belgian Society of Maxillo-facial Surgery Lectures internationally and publishes in the fields of implant therapy in partially and totally edentulous patients as well as in maxillo-facial diffomities.

> Giovanni POLIZZI
057 Immediate Function using computer guided implants in Pterygo-maxillary region

> Joanna NOWAKOWSKA
058 Marginal bone resorption: comparison between different rehabilitation techniques

> Philippe KHAYAT
059 Clinical outcome of tapered implants placed with high insertion torques (up to 176 Ncm)

> Ioannis GISAKIS
060 Biological & prosthetic complications with fixed prosthodontic reconstructions on implants after 2-15 years of function.

> Linda GRUETTER
061 Esthetic outcome of ceramometal and all-ceramic single-tooth implant restorations: a randomized controlled trial.
Plenary Session 3
Biomedical imaging, digital planning and transfer to clinical procedures, navigation and guided implant placement

> Christoph HÄMMERLE

Educational background
1982 Graduation as DDS, School of Dental Medicine, University of Bern, Switzerland
1986 – 1988 Post Graduate Studies in Periodontology, School of Dental Medicine, University of Bern, Switzerland
1986 – 1991 Post Graduate Studies in Reconstructive Dentistry, School of Dental Medicine, University of Bern, Switzerland
Professional history
1988 – 1989 Visiting Assistant Professor, Department of Stomatology, University of California, San Francisco, USA
1989 – 1991 Assistant Professor, Department of Crown and Bridge Prosthodontics, University of Bern, Switzerland
1997 – 2000 Associate Professor, Department of Peridontology & Fixed Prosthodontics, University of Bern, Switzerland
1991 – 1993 Visiting Associate Professor, Department of Physiology, University of Sydney, Australia
2000 Chairman, Department of Fixed and Removable Prosthodontics and Dental Material Sciences, Center for Dental and Oral Medicine and Craniomaxillofacial Surgery, University of Zürich, Switzerland
2000 Director, Graduate Program in Reconstructive Dentistry (SSRD/SSO), University of Zürich, Switzerland.

Christoph Hämmerle is certified in prosthodontics as well as in periodontics. His clinical focus is on the comprehensive treatment of complex, partially edentulous patients applying all available options of restorative dentistry. Prof. Hämmerle’s main scientific interests encompass biological and prosthetic aspects of the treatment with dental implants as part of the overall restorative treatment concept. In the area of guided bone regeneration he has developed and refined treatment modalities by applying basic experimental research as well as clinical evaluations in patients. A recent focus in the area of bone and soft tissue reconstruction lies on the development of techniques involving growth factors, appropriate carrier materials and new technologies. In the area of reconstructive dentistry Prof. Hämmerle is part of a research team focusing on development and application of new ceramic materials (zirconia, alumina) for fixed reconstructions on implants and teeth. President elect of the European Association of Osseointegration (EAO) President of the Osteology Foundation Board member for the Swiss Society of Implantology (SGI) and for the German Society of Implantology (DGIZ). Special scientific interest are the development and application of new biomaterials and ceramics. He has written many scientific papers, several textbooks. Lectured in more than 30 countries.

> Hans Goran GRONDAHL

Born in 1940. Received the DDS degree from University of Lund, Sweden in 1964. Received the Doctor of Odontology degree in 1979 and became Specialist in Oral and Maxillofacial Radiology in 1981 (first year of formal recognition of this specialty in Sweden). Visiting scientist at National Institutes of Health, Bethesda MD, USA, 1979-1981. Became Professor of oral and maxillofacial radiology and head of the Department of Oral and Maxillofacial Radiology, University of Gothenburg, Sweden in 1990 and professor emeritus in 2007. Presently active in research on imaging of dental implants and implants placed in the temporal bone. Published about 200 research papers, several textbook chapters and textbooks. Lectured in more than 30 countries.

How can the explosive development in radiology best be used in implant dentistry

The very rapid technological development that has occurred in radiology over the last decades has fundamentally changed the way radiographic examinations for implant planning purposes can be made. A brief review of different techniques will be made with the main focus on computed tomography and, above all, cone beam computed tomography. The need to use techniques that provide radiation doses that are As Low As Reasonably Achievable (the ALARA principle) will be stressed. For monitoring of treatment results the intraoral radiographic technique is the technique of choice but problems may arise when using digital radiography.

> Nele VAN ASSCHE

Nele Van Assche graduated in 2002 as dentist at the Catholic University of Leuven and finished in 2005 her training in periodontology at the department of Periodontology at the Catholic University Leuven) under the guidance of Prof. D. van Steenberghe. Currently she is finishing her Ph. D. dealing with procedures that could facilitate implant therapy. Her research deals mainly with GBR, the influence of implant surface characteristics on biofilm formation, and the accuracy of surgical guides. Over the last 3 years she published as (co)-author full papers in international peer-reviewed journals.

Accuracy of surgical guides and benefits for the clinic

Today more and more clinicians use surgical guides during implant placement. These guides facilitate and shorten the intervention, improve the positioning of the implants (and as such the collaboration between surgeon and prosthodontist), and even allow flapless surgery (with less post operative pain and swelling). Several systems have been marketed in the mean time, but the overall information on their accuracy is unfortunately still lacking. Deviations between planning and postoperative outcome reflect the sum of all errors, occurring from imaging (e.g. movement of the patient during scanning, positioning of the radiological template), over software shortcomings, the transformation to hardware (including stereolithographic or CAD/CAM modelling, tolerance of drill guide) and the surgical act (improper positioning, fixation of the surgical guide …).

Therefore, it is of utmost importance, when using a certain system, to be aware of the largest deviation ever reported. So far, only a few studies have estimated these deviations, mostly ex vivo. The best data available still report a 1-1.5 mm deviation, which might be too much in certain situations.
Elzbieta MIERZWINSKA-NASTALSKA

Head of the Department of Prosthetic Dentistry, Medical University of Warsaw, Poland. Graduate of the Faculty of Dentistry Medical University of Warsaw, University degree in dentistry. Assistant and Professor Assistant in Dentistry, Institute of Dentistry, Medical University of Warsaw, Poland (1978-1998).

Postgraduate education:

Scientific degrees:
Medical Doctor (MD) degree - 1987, Assistant Professor (PhD) granted following the defence of the habilitation dissertation in 2000. Professor of Medicine granted in 2006. The author and co-author of over 250 papers published in national and international journals. The major field of research work: denture stomatitis, immunology, implant dentistry, oral cavity pathologies associated with the use of removable dentures.

Other activities:
Editor-in-Chief of the journal Protetyka Stomatologiczna
Vice-President of the Polish Association of Implantology
Member of the Editorial Board of the Quintessence Periodontology-Implanty
Vice-President of the Polish Section, The Pierre Fouchard Academy.
Member of the Polish Dental Association.
Member of the European Prosthodontic Association.

Thomas FORTIN

Oral Surgery
• Associate Professor at the Department of Oral Surgery of the dental University of Lyon, France.
• Responsible of the oral Implantology post-graduate program in the Lyon Hospital.
• Private office in Bourgoin Jallieu.

Research competences
• Member of the TIMC Laboratory – Medical Hospital of Grenoble (Technique en Imagerie, Modélisation et Cognition). One of the leader in image processing and computer assisted intervention.
• Involve in the development of dental Image-Guided System and radiological tool.
• Involve in clinical assessment
• Meeting and work with experts in different fields
• Involve in many European and national project

Guided surgery to avoid sinus grafting in situations with severe bone deficiencies

The development of Image-Guided oral implant placement promise to change the way adult reconstructive surgery is performed and dramatically improve patient outcomes. The objectives of this presentation are to provide a detailed presentation of the use of CAD/CAM guidance in severely resorbed posterior maxilla as a new option to place an implant on a very limited amount of bone to avoid sinus graft. The advantages of this surgical method as a therapeutic option are clear: it reduces surgical and treatment duration by eliminating the graft healing period, it reduces patient and practitioner discomfort and risk of morbidity, and it should increase patient acceptance, particularly for severely resorbed posterior maxilla if the bone has to be harvested in the iliac crest under general anesthesia. Bone grafting for placement of implant in the antrum region considered to be severely atrophied according to the standard radiological exam is not always necessary.

Philippe TARDIEU

• DDS from Paris VII University
• University Diploma in Implantology from Nice Sophia Antipolis
• Adjunct Associate Professor New York University College of Dentistry
• Private practice dedicated to implantology and aesthetic reconstructions in Dubai, UAE.

Computer-guided implantology in aesthetic cases

Using a CT scan based planning system, surgeons were able to select the optimal location for implant placement. Today, information is neither limited to bone volume nor to implantology.

Since 2003 we can view the soft tissues of the jaw by superimposition of a digital plaster cast over the patient’s CT scan. Since 2006, one can photomap this plaster cast image using intra-oral pictures and see changes on the patient’s face related to bone movements. One can also photomap the patient’s faces to get a better idea of the planned changes.

All these techniques have multiple applications today. Aesthetic reconstructions driven by computer fully benefit from these advances. Aesthetic cases are planned on the computer and transfer is allowed using 3 kinds of guides: one to guide the bone osteotomy, one to guide the temporary appliance and one to guide the tooth trimming. Aesthetic results are strongly linked to precision on bone, soft tissue and teeth. Image based treatment today allows us controlling all steps of our demanding aesthetic reconstructions cases.
CHAIRPERSON

> Marc QUIRYNEN

Professor M. Quirynen graduated in 1980 as dentist at the Catholic University of Leuven and finished in 1984 his training in periodontology at the department of Periodontology (Catholic University Leuven). In 1986 he presented his Ph. D. entitled: Anatomical and inflammatory factors influence bacterial plaque growth and retention in man. In 1990 he was appointed professor at the Faculty of medicine of the Catholic University of Leuven to teach periodontology and anatomy.

His research deals mainly with oral microbiology, with special attention to the influence of surface characteristics on bacterial adhesion and the effect of antiseptics. He published over 200 full papers in international peer-reviewed journals. He is member of the editorial board of the Journal of Clinical Periodontology (associate editor), Clinical Oral implants Research, Periodontal Practice Today and Parodontologie.

FRIDAY AFTERNOON

Clinical Research Competition

> Ameen KHRAISAT

043 Marginal bone levels and soft tissue response around scalloped implants followed prospectively for 3 years in function

> Ralf-Joachim KOHAL


> Mariano HERRERO CLIMENT

045 Immediate and Early Loading of SLActive Straumann Implants: 12-month results

> Goran BENIC

046 Comparison of implants in regenerated or native bone: 5-year results
> Ueli GRUNDER

Dr. Ueli Grunder received his DMD degree from the University of Zürich, Switzerland, in 1982. His post-graduate education in advanced fixed prosthodontics also came from the University of Zürich, where he is senior lecturer since 1987. He is a certified specialist for reconstructive dentistry. He maintains a private practice together with Thomas Gaberthüel since 1989 in Zollikon-Zürich and has published numerous papers and extensively lectured nationally and internationally on the surgical and prosthetic aspects of implant dentistry. Dr. Grunder is Past-President of the Swiss Society of Oral Implantology (SSOI) and Past-President of the European Academy of Esthetic Dentistry (EAED).

> Arne-Geir GRØNNINGSÆTER

047
4 mm implants supporting FPD in severely resorbed posterior mandible

> Luigi CANULLO

048
Platform switching and Individual bone pattern: clinical and histological RTC

> Christian WALTER

049
Implantology as a reason for bisphosphonate-associated-osteonecrosis-of-the-jaws (BP-ONJ)

> Georg D. STRBAC

050
Survival rate of autotransplanted teeth after 10 years
Frauke Müller is professor and chair for gerodontology and removable prosthodontics at the University of Geneva, Switzerland, since 2003. She graduated in dentistry from the University of Bonn, Germany and later worked in the Prosthetic Department of the University of Mainz. She further spent several years at the London Hospital Medical College, England in a research program in gerodontology. Professor Müller served on the board of many professional associations: German Society of Gerostomatology, European College of Gerodontology, Geriatric Oral Research Group of the IADR. She is Associate Editor of Gerodontology. Her research activity is mainly related to gerodontology, oral function as well as complete dentures.

**FRIDAY AFTERNOON**

**Short Oral Communications 2**

- **Frauke Müller**  
  Bone apposition around two different SLA implant surfaces at defect sites
- **Marco Degidi**  
  Immediate rehabilitation of the edentulous mandible with a definitive prosthesis supported by an intra-oral welded titanium bar
- **Hong-Chang Lai**  
  Lateral ridge augmentation using different bone substitutes biocoated with rhGDF-5/ rhBMP-2
- **Frank Schwarz**  
  Osseointegration of implants with biofunctionalized surfaces in comparison to the ANKYLOS® plus implant surface
- **Christer Lindgren**  
  Elemental microanalysis following maxillary sinus augmentation with Bio-Oss® or BoneCeramic®
- **Philipp Sahrmann**  
  A systematic review of GBR treatments for peri-implantitis defects
Prof. Dr. Khoury received his dental education at the St. Joseph University in Beirut, Lebanon. Specialization in Oral Surgery at the Universities of Freiburg and Münster, Germany. He was assistant Professor at the University of Münster completing his PhD and scientific habilitation Degree. He is currently professor at the Department of Oral & Maxillo-Facial Surgery of the University of Münster and Chairman of the Privatklinik Schloss Schellenstein, Olsberg, Germany. Prof. Khoury has several patents and more than 100 Publications/ Textbook articles and is member of Editorial Board of different journals.

068 Effect of pharmacologic treatment on inferior alveolar nerve injury after implant surgery

069 Accuracy Of A CT Guided Template Assisted Implant Placement System: An In Vitro Study

070 Clinical results of anti-microbial photodynamic therapy for peri-implantitis

071 Immediate loading of 2-implants mandibular overdentures - Active-in-one-Day
Plenary Session 4
Gero-implantology, quality of life, simplify treatment protocol, long term management

> Jaime A. GIL
Professor and Chairman of Prosthodontics. University of the Basque Country (Bilbao – Spain)
Past-President of the European Academy of Esthetic Dentistry,
Past-President of the Spanish Society of Prosthodontics,
Member of the following International Organizations: European Association for Osseointegration, European Prosthodontic Association, American Academy of Esthetic Dentistry, American Academy of Restorative Dentistry, American Academy of Fixed Prosthodontics.
Member of: Editorial Board of the European Journal of Esthetic Dentistry.
Advisory Board of the Journal of Esthetic and Restorative Dentistry.

> Carlo MAIORANA
Professor of Oral Surgery and Head Dept of Implantology at Dental School University of Milan.
Vice President European Society for Oral laser Applications
Member, EAO Board of Directors
Speaker in international Meetings in Europe and United States, Author of more than 200 papers on italian and international journals.
Author of five textbooks on oral surgery and advanced osseointegration
Practice limited to oral surgery, advanced osseointegration and atrophic jaws reconstruction.

> John BESFORD
Qualified in 1964 at Manchester, PhD in Bacteriology 1970 (thus the bow-tie), returned to prosthetics full-time at a London dental school until 1987, when he opened a referral practice limited to removable and implant prosthodontics. Now divides his time between specialist practice and freelance postgraduate teaching. Dental interests include: helping dentists resist the urge to remove teeth, improving the quality of life of the dentally deprived, promoting natural and personal dental appearances instead of stereotype idealised ones and talking about these things with dentists and their teams. Helped design Enigma denture teeth and the Enigma system. Other interests include wine and raptors.

Implants in the proactive management of failing dentitions
Dentists are not always forward-looking on behalf of their individual patients: ineffective oral home care training and nonchalant removal of patients’ teeth are two examples. Where strategically important natural tooth abutments have a doubtful prognosis or where already depleted dentitions are in a state of irreversible decline, dental implants may be used to ‘future-proof’ patients against losing teeth and the subsequent reduction of life quality which loose dentures often bring. Dental implants can be placed in edentulous zones of the mouth before further tooth loss so that, if/when it occurs, the means are already in place to create stable and attractive replacement dentitions.

> Frauke MÜLLER
Frauke Müller is professor and chair for gerodontology and removable prosthodontics at the University of Geneva, Switzerland, since 2003. She graduated in dentistry from the University of Bonn, Germany and later worked in the Prosthetic Department of the University of Mainz. She further spent several years at the London Hospital Medical College, England in a research program in gerodontology. Professor Müller served on the board of many professional associations: German Society of Gerostomatology, European College of Gerodontology, Geriatric Oral Research Group of the IADR. She is Associate Editor of Gerodontology. Her research activity is mainly related to gerodontology, oral function as well as complete dentures.

Risks and benefits of implants in elderly adults
Demographics indicate an increasing proportion of the elderly in the population as well as an augmenting life expectancy of the individual. Another trend is that elderly subjects tend to retain their natural teeth for longer. These developments present a considerable challenge as tooth loss is only occurring later in life when ageing and multimorbidity impact dental treatment decisions. The question arises if there is an age limit for osseointegration and implant therapy. What are the risks if the patient becomes dependent? The possible benefits from an implant treatment in elderly adults are well documented. Implant-supported overdentures might reverse some of the functional, psychological and psycho-social effects of tooth loss and thus increase the oral health related quality of life until late in life.
underlining appropriate prosthetic maintenance.

mandibular overdentures for edentulous patients.

a surgical and prosthodontic immediate loading

protocols. The aim of this presentation is to show

applied to all situations without well defined

procedures should be carefully considered and not

and improved quality of life. However, these

number of surgical and prosthodontic procedures

mandible with a high survival rate have been

2-implant overdenture is the first choice of

The Mc Gill consensus report has established that a

topics.

He lectured extensively nationally and internationally on the same

Academy.

He is the President of the French Society of Esthetic Dentistry since

partial prosthodontics and maxillo-facial prosthodontics.

Prosthodontics at Paris Descartes University (Paris

Dr. Christophe Rignon-Bret, DDS, MS, Ph.D. is

quality of life in healthcare. He lectures extensively in Ireland and

quality of life in healthcare. He lectures extensively in Ireland and

quality of life in healthcare. He lectures extensively in Ireland and

Scientific at Trinity College, Dublin and he is the National Educator for

he established the first Department of Psychology in an Irish Medical

Senior Management Team of the College. In 1985,

Psychology, Head of the Institute of Leadership and

Management and a member of the

Senior Management Team of the College. In 1985,

as Professor in Psychology, Head of the Institute of Leadership and

He holds BSc in psychology and pharmacology and a PhD both from

He holds BSc in psychology and pharmacology and a PhD both from

Science at Trinity College, Dublin and he is the National Educator for

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Immediate loading protocol with mandibular overdentures

The Mc Gill consensus report has established that a

2-implant overdenture is the first choice of

treatment for the edentulous mandible. In recent

years, immediate loading studies of dental implants

using overdentures in the edentulous mandible with a high survival rate have been

reported. Advantages of immediate loading protocols are numerous: less discomfort for the

patient, shorter treatment time, a reduction in the number of surgical and prosthodontic procedures

and improved quality of life. However, these

procedures should be carefully considered and not

applied to all situations without well defined

protocols. The aim of this presentation is to show a surgical and prosthodontic immediate loading

protocol of two unsplinted implants with mandibular overdentures for edentulous patients.

Results of a clinical trial will be presented

underlining appropriate prosthetic maintenance.

Quality of life assessment and implantology: Clinical entity or clinical myth

Patient reported outcomes (PROs), particularly

patient quality of life, are increasingly important in

the assessment of illness, disease and treatment. Such measures complement

traditional biological and clinical measures and provide methodologies that can empower

patients by putting their perceptions at the centre of care. This paper provides an overview of the

established and emerging methods that have been

developed for measuring patient quality of life. A model of

quality of life is presented that reflects the complexity of patients’ perceptions and the

changing nature of their responses. The

challenge of incorporating quality of life measures into routine clinical practice is also discussed.

Overdentures in upper and lower jaw, 2nd class therapy?

For a significant proportion of the population, implant supported

prostheses – often not reimbursed by the social security system –

remain too expensive. The latter especially applies to lower socio-economic groups in which unfortunately the incidence of full

edentulism is high. For patients who are lacking stability and

retention of their full denture, but who have psychologically

accepted it, an overdenture often offers very significant improvements in both the oral-health-related quality of life and in

the overall general health.

For a lower jaw, an overdenture supported by only 2 implants offers

a very favourable, long-term outcome (cumulative success rates of ≥ 95% up to 10 years of loading). Therefore, it is considered “the

standard of care” for the edentulous mandible. The type of

attachment has a significant impact on both the retention and

stability of the denture, with best results for bars or ball

attachments.

For maxillary implants supporting an overdenture significantly

higher failure rates was noted compared to supported in the palatal. This latter can be partially explained by the fact that an overdenture often has been

selected because several implants had been lost so that a fixed

prosthesis became impossible. However, when only “planned” overdentures in the maxilla were considered, again very favourable cumulative success rates for the implants, as well as on general satisfaction have been reported.

At a time where clinicians are confronted with fancy implant techniques, and the advertisement constantly focuses on aesthetics,

more attention for the more simple but very satisfying overdenture treatment, seems welcome.

Implant overdentures. Post treatment care

Treatment of edentulous patients is one of the most demanding tasks the

dentist can meet in his everyday practice. Implant based methods help to improve functioning of dentures and life quality of so treated

patients. The protocol of treatment in these cases is very well known

and widely described in the literature.

The post treatment care is discussed not so often and there is not so many publications dealing with this subject. In the presentation the

results of research conducted in a group of patients treated with

lower complete overdentures supported on two dental implants will be presented.

The main aim of the study was evaluating the results of a treatment and
describing proper form of the post treatment care in this group of

patients.

There will be also presented the results of the chewing efficiency evaluation and the subjective patient’s assessment of the therapy using

implant-based overdentures. During the whole research period the patient’s satisfaction of the treatment was very high. The
decrease of the chewing efficiency which was measured with the Optical test, has not significantly affected the subjective patient’s feelings. Nevertheless, it confirmed the need for the objective monitoring of the implant-based prosthetic restorations, even if the patients evaluation of the treatment is positive.
Presentations by Polish National Implant Association (OSIS)

> David HARRIS

David is a medically and dentally qualified specialist oral surgeon. He maintains a specialist private practice at the Blackrock & Tin Clinic Dublin, and holds a Senior Lecturer at Trinity College Dublin, Ireland where he carries out his research and graduate student teaching and implant surgical training.

He is a founder member and past president of the European Association of Osseointegration, and continues to serve as a member of council and is co-chairman of the 2008 EAO Scientific Congress in Warsaw. He has published over 25 scientific articles and reviews and contributed to three international textbooks on implants. He chaired the EAO workshop on radiology in implant dentistry. He has lectured extensively internationally and provides regular postgraduate teaching courses.

He has had extensive experience in medical legal matters as a member of the cases committee of Medical Protection Society and as a member of the board of directors of Dental Protection Ltd for 10 years and continues as an advisor.

David commenced implant treatment in 1984 as a member of a small number of international pioneer teams introducing Professor P.I. Brånemark’s techniques of osseointegration into clinical practice. He collaborates closely with Prof. Brånemark in providing postgraduate education and in the treatment of patients.

> Eugeniusz SPIECHOWICZ

Present employment: Department of Prosthetic Dentistry Warsaw Medical University.

Education:
1952 Graduated of Faculty of Odontology, Medical Academy of Warsaw,
1963 Doctor of Stomatology.
1980 Associate Professor.
1990 Professor of Prosthetic Dentistry.


He graduated the Medical Division of Medical University of Warsaw in 1952. He gained the first degree of oral surgeon specialisation in 1958 and the second degree in 1963.

Piotr Wychowanski obtained the title of Doctor of Medical Sciences in 2003. He graduated the Medical Division of Medical University of Warsaw in 2005. He graduated Biomedical Department on Faculty of Materials Science and Ceramics at AGH University of Science and Technology in Cracow. He graduated Medical Management Study of Warsaw School of Economics. He is the scientific worker of the Dental Surgery Department of Medical University of Warsaw.

He works with students and he was granted with Rector Educational Award.

Piotr Wychowanski as Senator works in authorities of The Medical University of Warsaw.

He was the member of editorial board of one of most important scientific Polish Dental Journal. He works on bioactive materials research and modifications of dental implant solutions. He is the one of most active workers on 3D visualization in dental surgery in Poland.

The grafting of 3D scaffold infiltrated by human osteogenic cell as a new method for bone augmentation

Tissue engineering is one of the most dynamic progressive branch of medical science.

Bioactivity of materials used for bone implants determine long time result of clinical procedures. In order to gain the aim 3D scaffolds used for bone reconstruction have to be settled by osteogenic host cells. In common clinical procedures bio-static scaffolds are inserted to bone defects. In the process of healing osteogenic host cells. In common clinical procedures bio-static scaffolds used for bone reconstruction have to be settled by osteogenic host cells. In common clinical procedures bio-static scaffolds are inserted to bone defects. In the process of healing osteogenic host cells. In common clinical procedures bio-static scaffolds are inserted to bone defects. In the process of healing osteogenic host cells. In common clinical procedures bio-static scaffolds are inserted to bone defects. In the process of healing osteogenic host cells. In common clinical procedures bio-static scaffolds are inserted to bone defects. In the process of healing osteogenic host cells. 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In the last few years there is a tendency to ease and mandible. The new concept of treatment of edentulous 2007 assecor (consultant) of the BDIZ - EDI 2006 publishing of the book "Implants-step by step" vol.2 2004Specialist in Implantology in the EDI- European 2003 referee for BDIZ, BDO, MKG, DGI andDGZI 2002 publishing of the book "Implants- step by step" vol.1 Since 1998 supervior of the implantology clinic "Zahnklinik Rhein - 1997 specialization in implantology (German Association of prosthetic dentistry - 1983. Specialization in general dentistry - 1980, specialization in prosthetic dentistry - 1983. Scientific degrees: Medical Doctor (MD) degree -1987, Assistant Professor (PDH) granted following the defence of the habilitation dissertation in 2000. Professor of Medicine granted in 2006. The author and co-author of over 250 papers published in national and international journals. The major field of research work: denture stomatitis, immunology, implant dentistry, oral cavity pathologies associated with the use of removable dentures. Other activities: Editor-in-Chief of the journal Protetyka Stomatologiczna Vice-President of the Polish Association of Implantology Member of the Editorial Board of the Quintessence Periodontologia-Implanty. Vice-President of the Polish Section, The Pierre Fouchard Academy. Member of the Polish Dental Association. Member of the European Prosthodontic Association. Computer assisted implant treatment - a thin line between easy implantations and new possible complications Three dimensional visualisation software allowing to plan the implant treatment with unrivalled precision, taking into consideration the surgical as well as the prosthetic aspects is the latest achievement in implant dentistry. The use of described software is a great help for the clinicians and a great relief for the patients making the clinical phase of treatment shorter and the surgical trauma minimised, but is not a solution for all the problems one may encounter during the implant treatment. Moreover, it may cause several unparalleled complications making the treatment much more difficult if not, in some cases impossible. The authors present their own experiences and observations concerning two major computer assisted implant treatment planning systems: NobelGuide and Simplant, comparing their advantages and disadvantages.

The introduced concept of therapy enable the atrumatic, transgingival, immediate treatment by means of a pre-fabricated bar attached to two implants in the interforaminal part of the mandible. This therapy is less expensive, faster and much more convenient for the patient, compared to many other ways of prosthetic treatment. This new introduced approach of therapy is a contribution of the author, to the less wealthy patients, who are tired of their movable dentures, to enable them a high-quality but at the same time affordable treatment.
Basic Research Competition

MASSIMO SIMION
Degree of Medicine and Surgery at the University of Milan in 1979.
Specialization in Odontostomatology and Dental Prosthodontics at the University of Milan in 1982.
Professor and Chairman of the Department of Periodontology and Implant Restoration at the Dental School of the University of Milan.
Member of the Board of the European Association for Osseointegration (EAO) 1998 - 2005.
President of EAO for the years 2001-2003 and Immediate Past-President for years 2004/2005.
Member of the Council of EAO since the year 2005 Founder of the Italian Society of Osseointegration.
Active Member and Vice-President of the Italian Society of Periodontology (SidP) for the years 2003-2005.

He published several scientific papers and is international lecturer about the topic Periodontology, Osseointegration and Bone Regeneration.

BYUNG-HO CHOI
Histological Changes in the Maxillary Sinus Membrane After Sinus Membrane Elevation and the Simultaneous Insertion of Dental Implants Without the Use of Grafting Materials

DANIEL S. THOMA
Location of Bone Margin Around Loaded Implants Incorporating Platform-Shifting

VIKTOR KARAPETIAN
Quantitative qPCR analysis of IL-1, IL-6, IL-10, TNF-alpha in periimplantitis

BERNHARD SETZER
Is Zirconia a possible replacement of Titanium for oral implants?

BERND STADLINGER
Evaluation of Biological Implant Surface Coatings – An animal study

CANSU ZEREN
Longitudinal evaluation of PICF PGE2 and MMP-8 levels after implantation
Ann Wennerberg became a dentist in 1979, PhD in 1996 and Professor in Prosthodontics 2002. She is the head of the Dep Prosthetic Dentistry, Faculty of Odontology, Malmö University. Her research is aimed at finding optimal solutions for implant surfaces. Wennerberg has written above 200 scientific papers published in international peer reviewed journals. She has received several national and international awards for her research about implant surface topography.

PRESENTER

> Takeo SUZUKI

039 UV-enhanced osseointegration capacity mediated by selective cell affinity

> Rainer LUTZ

040 Accelerated healing of dental implants with calcium phosphate coating

> Nelson SILVA

041 One-piece ceramic implant: Strength and Reliability

> Giuseppe CARDAROPOLI

042 Bundle bone in the healing of extraction sockets
Aesthetic treatment of complex cases - Hard and soft tissue management

Aesthetic implant treatment is related to several factors: implant positioning, hard tissue manipulation, soft tissue management and prosthetic restoration.

To achieve optimal aesthetic results, the practitioner should carefully evaluate each case at the start of the treatment, in order to understand the possible end result and the different ways to get it.

A classification developed by Dr Palacci and Dr Ericsson is a determining factor in the understanding of the overall treatment plan.

According to the different classes, treatment options will differ significantly from an intact and healthy papilla using a site preservation technique to more advanced cases with severe ridge resorption requiring a combination of hard and/or soft tissue graft.

Dr Palacci will present these different treatment options including hard and soft tissue manipulation in order to reach the optimal aesthetic and functional result.

Preservation as well as recreation of papillae and long-term results will be presented in detail.

How much surgery is needed to achieve an ideal aesthetic result with implants

To place implants has become a routine procedure, and results can be achieved with high predictability. The most challenging field is still the aesthetic zone. Because of the variety of treatment options available today the analysis of the case and treatment planning have become an even more important treatment step. The tendency to reduce treatment time and the amount of surgical interventions by placing implants immediately after tooth extraction is not a benefit for the aesthetic outcome in most of the cases, since bone resorption will be seen in these cases after tooth extraction, in other words we will have to correct hard and soft tissue volume. Appropriate bone and soft tissue engineering in all three dimensions enhances the aesthetic performance of long-lasting restorations that blend in perfectly and emerge from the periimplant sulcus in harmony with the neighbouring teeth.
> **Franck RENOUARD**

Franck Renouard is graduated of the Dental University of Paris V in 1982. He was Jean-François Tulasne’s assistant in the Cranio-Maxillo-Facial Team of Paul Tessier from 1983 to 1988 in Paris.

He has published several national and international articles and is author of two Text Books with Bo Rangert. The first one ‘Risk Factors in Implant Dentistry: Simplified Clinical Analysis for Predictable Treatment’ was published in 10 languages. He lectures intensively on Implants, Immediate loading, Biomechanics and Bone Grafting procedure. Dr. Renouard was elected to the European Association for Osseointegration executive board in Amsterdam in 2000, and is the past President for the organization. He is in Private Practice in Paris limited of Oral and Implant Surgery.

> **Anthony SCLAR**

Dr. Anthony G. Sclar is considered a leader around the world in reconstructive and esthetic dental implant surgery. A board certified Oral and Maxillofacial surgeon, Dr. Sclar has been in private practice at South Florida OMS located in Miami, Florida since 1989. He is the founder of Integrated Seminars and Director of Education at the Sclar Center for Empowered Dental Implant Learning where he conducts limited attendance topic specific courses for his colleagues featuring evidence based presentations, case based learning, video surgery tutorials, live surgery observations and hands-on training methodologies. In addition to publishing numerous journal articles and textbook chapters pertaining to dental implant surgery, Dr. Sclar authored a hallmark, multilanguage textbook entitled; Soft Tissue and Esthetic Considerations in Implant Therapy (Quintessence2003). A dedicated professional, Dr. Sclar serves as an editor for the dental implant surgery section of the Journal of Oral and Maxillofacial Surgery and is the Director of Clinical Research and Post Graduate Dental Implant Surgery in the department of Oral and Maxillofacial Surgery at Nova Southeastern University School of Dentistry.

Aesthetic Implant Therapy - Site Preservation & Reconstruction - Minimizing Risks & Managing Complications

Dr Sclar will discuss the important role that patient evaluation and education, esthetic risk assessment, use of the “Bio-Col” site preservation technique, strategic selection and sequencing of site development procedures and biologically compatible prosthetic protocols have on achieving predictable long term results when single and multiple adjacent teeth are replaced with dental implant restorations in areas of high esthetic concern. Straight forward to complex case scenarios will be used to elucidate these important factors and demonstrate the principles of avoiding and managing complications in esthetic implant therapy.

> **Iñaki GAMBORENA**

Graduated in Dentistry at the University Odontológica Dominicana, UOD 1989

Certificate in Occlusion and Temporo-Mandibular Disorders at the Mexican Association of Occlusal Reconstruction in México City, 1989-90

Certificate in Restorative Dentistry at the Autonomous University of Nuevo León University in Monterrey, México, 1990-92

Certificate in Prosthodontics & Master of Science in Dentistry. University of Washington-Seattle (USA), 1993-96 was awarded with the Bolender Contest Award for clinical and academic excellence

Certificate in Oral & Craniofacial Implant Fellowship Program. University of Texas, Houston (USA), 1996-97

Affiliate Professor, Department of Restorative Dentistry, University of Washington Dental School, Seattle (Washington) since 2001

Clinical Assistant Professor, Department of Preventive and Restorative Sciences, University of Pennsylvania School of Dental Medicine, Philadelphia (Pennsylvania) since 2007

Active Member of the European Academy of Esthetics Dentistry since 2002.

Maintains private practice in San Sebastian, Spain, dedicated to Aesthetics, Restorative Dentistry and Implants

Mastering implant restorative procedure for optimal aesthetics in the aesthetic zone

Planning for aesthetic predictability and success in implant treatment represents a great challenge for the dental team. The aesthetic outcome and natural appearance of the implant depends ultimately on the execution and understanding of the dental team participating in the different treatment phases as well as the laboratory technician. The presentation focuses on the different clinical criteria and current surgical and prosthetic techniques for maximizing optimal aesthetics in conjunction with the role of the provisional restoration – a critical element for achieving gingival integration and aesthetic success. New concepts and trends will be discussed to achieve predictable natural oral aesthetics around implants.
Friedrich W. NEUKAM

1976 Dental degree and dental doctoral thesis (*Dr. med.dent.*/DDS) on “Investigation into the changes of tooth contacts in maximum intercuspidation in patients wearing partial and full dentures”, Mainz
1984 Medical degree
1985 Medical thesis (*Dr. med.*/DMD) on “Anatomical studies in the fascicular structure of individual brain nerves as a basis of a differentiated microsurgical nerve suture”, Hannover
1990 Habilitation (PhD) in Oral and Maxillofacial Surgery, Hannover Medical School
Award of the venia legendi for the speciality of oral and maxillofacial surgery at Hannover Medical School. Title of the thesis: “Experimental and clinical investigations as to osteoplasty in combination with endosseous implants and bone graft materials in the oral and maxillofacial region”.
1st October 1995 Appointed Head of the Department of Oral and Maxillofacial Surgery at Friedrich-Alexander-University Erlangen-Nuremberg
1999 Appointed Section Editor – Implantology, Journal of Oral and Maxillofacial Surgery
February 2001 Editor-in-Chief, Deutsche Zeitschrift für Mund-Kiefer- und Maxillofacial Surgery
February 2001 Awarded honorary Professorship at Moscow University
October 2001 Elected Vice Dean of the Medical Faculty at Erlangen-Nuremberg University
October 2003 Appointed Editorial Board member to the Journal Oral Science International
September 2004 President Elect (EAO)
September 2006 President (EAO)

Professional activities focused on:
- traumatology of the skull
- inflammations
- anomalies, impaired growth
- cleft lip and palate
- craniofacial surgery
- orthopedic surgery
- tumours
- plastic surgery
- prosthodontic surgery
- implantology
- oral surgery

Memberships
Deutsche Gesellschaft für Zahn-, Mund- und Kieferheilkunde
Deutsche Gesellschaft für Mund-, Kiefer- und Gesichtschirurgie
Deutsche Gesellschaft für Implantologie im Zahn-, Mund- und Kieferbereich e. V.
American Society of Maxillofacial Surgeons
British Association of Oral and Maxillofacial Surgeons
International Association of Oral and Maxillofacial Surgeons
Academy of Osseointegration
European Association for Osseointegration
ITI - International Team for Oral Implantology
Deutsche Akademie für Kosmetische Chirurgie e. V.
Interdisziplinärer Arbeitskreis für Lippen-, Kiefer-, Gaumenspalten
American Cleft Palate - Craniofacial Association
Deutsche Gesellschaft für Schädelbasischirurgie
American Skull Base Society
Mitglied der American Society of Maxillofacial Surgeons
Pierre Fauchard Academy
Honorary Member
Hellenic Association of Osseointegrated Dental and Maxillofacial Implants-Biomaterials (H.A.O.D.M.I.B.)
Honorary Professorship
Moscow State University of Medicine and Dentistry
Congress General Information

■ Date
From Thursday, September 18 to Saturday, September 20, 2008.

■ Venue
The 17th EAO Meeting will be held at the PKIN congress centre in the city of Warsaw.
PKIN address: 00-001 Warszawa, Plac Defilad 1
Web: www.pkin.pl

■ Official language
The official language of the EAO Meeting is English. There will be simultaneous translation in Polish and Russian for plenary sessions.

■ Headphones
Simultaneous translation in Polish and Russian will be available for plenary sessions and presentations by Polish National Implant Association. In the participant envelop, you will find a voucher which will allow you to borrow conference headphones from the desk located on level 2 in front of the welcome desk.

■ Welcome desk opening hours
Thursday 18 8:00 – 18:00
Friday 19 7:30 – 18:00
Saturday 20 7:30 – 17:00
The welcome desk is situated on level 2. You will be able to register on site and retrieve your access badges. Congress bags will be distributed on level 4.

■ Exhibition Opening Hours
Thursday 18 9:00 – 18:00
Friday 19 9:00 – 18:00
Saturday 20 9:00 – 16:00
The exhibition is strictly restricted to exhibitors and registered delegates.

■ Registration fee for delegates include:
• Admission to all congress sessions, poster area and technical exhibition
• The opening ceremony
• Congress documents (final programme, abstracts book, congress bag)
• Lunches and coffee breaks

■ ON SITE Registration fees
All the prices below include Poland VAT (22%)

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
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<tbody>
<tr>
<td>EAO members + OSIS</td>
<td>580 €</td>
</tr>
<tr>
<td>Non members</td>
<td>750 €</td>
</tr>
<tr>
<td>Medical students</td>
<td>330 €</td>
</tr>
</tbody>
</table>

■ Certificate of attendance
A certificate of attendance for preregistered participants will be issued along with the Congress documentation upon arrival. Participants who register on-site must request this certificate at the registration desk.

■ Cloakroom
A cloakroom is located on level 1 in front of the main entrance. Opening hours are as follows:
Thursday 18 8:00 – 18:00
Friday 19 7:30 – 18:00
Saturday 20 7:30 – 16:00
Please be advised that the organisation is not responsible for any lost or damages.

■ Refreshments
Congress luncheons and coffee breaks will be served to all registered delegates in the exhibition areas and in the poster areas.

■ Staff
Staff members can be easily recognized by their purple T-shirts. They will be happy to assist you with any queries you may have.

■ Web Corner
An Internet Café has been possible thanks to Founding Gold Sponsors. It is located in the Exhibition Area on level 4. Computers stations will be at your disposal for your internet connections and e-mails.

■ Useful links
• Venue: www.pkin.pl
• Warsaw airport: www.lotnisko-chopina.pl
• Car rentals, at the Airport: Hertz http://www.hertz.com, Avis http://www.avis.com

■ Contact
• Congress Scientific Programme and Administrative Secretariat:
  EAO 2008 c/o Colloquium
  12 rue de la Croix-Faubin – F-75011 Paris, France
  Tel: +33 (0) 1 44 64 15 15
  Fax:+33 (0) 1 44 64 15 16
  Email: eao2008@colloquium.fr
# Discover Warsaw

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>18th of September</td>
<td>10:00-13:00</td>
<td>Warsaw Panoramic Sightseeing</td>
</tr>
<tr>
<td></td>
<td>14:00-17:00</td>
<td>Jewish Heritage</td>
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<tr>
<td></td>
<td>19:00-21:00</td>
<td>Chopin Concert</td>
</tr>
<tr>
<td>19th of September</td>
<td>14:00-18:00</td>
<td>Warsaw Panoramic Sightseeing with Royal Castle</td>
</tr>
<tr>
<td>20th of September</td>
<td>10:00-17:00</td>
<td>Chopin Tour to Zelazowa Wola (Chopin birthplace)</td>
</tr>
<tr>
<td>21st of September</td>
<td>06:30-22:00</td>
<td>Cracow – one-day tour</td>
</tr>
<tr>
<td></td>
<td>09:00-4:00</td>
<td>Wilanow Palace</td>
</tr>
</tbody>
</table>

## Cracow, historic and cultural capital of Poland – one-day tour

**Duration:** 12.5 h, 06:30-19:00  
**Price:** 160 EUR / person  
**Pick-up from PKiN**

Cracow – rich in history, outstanding works of art and architecture. The city is the location of the Jagiellonian University (founded in 1364), the Royal Castle – Wawel, with its mythical Wawel Cathedral and the largest and most beautiful town square in Europe with lots of cafes, galleries and craftsmen shops. The price includes: 1st class rail ticket Warsaw- Cracow-Warsaw, sightseeing of Cracow conducted by local guide, lunch in the local restaurant, English hostess assistance, entrance fees.

## Jewish heritage

**Duration:** 3h  
**Pick-up from PKiN**  
**Price:** 40 EUR /person

Visit the former Jewish part of Warsaw where about 380 000 Jews lived in 1939. This amounted to one third of the city's population at that time. The only synagogue to have survived wartime was founded in 1902 by a wealthy Warsaw merchant, Zalman Nozyk and his wife, after whom the synagogue was named. Continue with the Umschlag-Platz on Stawki Street from where Nazis deported 300,000 Jews to Treblinka during the summer 1942, and the Monument to the Heroes of the Warsaw Ghetto Uprising, located on the square, which was once a site of the main bunker of the Jewish Combat Organisation.

## Warsaw panoramic sightseeing

**Duration:** 3h  
**Pick-up from PKiN**  
**Price:** 40 EUR / person

Enjoy this great opportunity to get acquainted with the history of Poland's capital. Stroll through the Old Town, intricately reconstructed after World War II (Sigismund's Column, the Royal Castle (exteriors), the Market Square, the Barbican). Take pleasure in a drive along the Royal Route with its beautiful palaces, aristocratic residences, famous statues and historic churches. See the historic sights of Warsaw - the Monument of the Warsaw Uprising, the Tomb of the Unknown Soldier, Chopin's Monument and the Belvedere Palace.

## Warsaw panoramic sightseeing with Royal Castle (interiors)

**Duration:** 4h  
**Pick-up from PKiN**  
**Price:** 50 EUR / person

## Chopin concert

**Duration:** 2h  
**Pick-up from PKiN**  
**Price:** 35 EUR / person

An absolute must-to-see or rather must to experience while your visit to Poland. Enjoy Chopin music in his native country. The two part concert is held in specific venue. The best pianist will play Chopin's masterpieces. Glass of sparkling wine will be served during intermission.

## Wilanow Palace

**Duration:** 5h  
**Pick-up from PKiN**  
**Price:** 70 EUR / person

WILANOW PALACE - visit to the interiors of the Baroque residence of king Jan III Sobieski, the famous conqueror of the Turks at the battle of Vienna in 1683. He was the most colourful person of the 17th Century Poland, a skilful army leader, accomplished diplomat and author of beautiful love letters written to Marie Casimiere, his wife.After that, one will have the opportunity to stroll through the beautiful garden and park. At the end a lunch at the very elegant restaurant situated in the vicinity of the palace is to be enjoyed by the tour participants.

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All tours will be operated at min. 10 pax.  
To buy a tour please visit the Warsaw Stand on level 2
> EAO Association

**Vision**

Bridging the gap between science and clinical practice, EAO improves the quality of patient care as the leading voice and resource centre in the field of implant dentistry in Europe.

**History**

The EAO was founded in Munich in 1991 following on the recommendations made by an international group of clinicians and research workers. It was formed as an international, interdisciplinary and independent science-based forum for all professionals interested in the art and science of osseointegration.

**Mission**

The objectives of the Association are:

1. To promote and facilitate clinical applications of osseointegration for the benefit of patients throughout the world.
2. To promote the advancement of methods of treatment in reconstructive surgery and prosthetic rehabilitation based on the principles of osseointegration and related disciplines.
3. To promote and initiate research into improved clinical procedures for rehabilitation as a consequence of osseointegration.
4. To promote international exchange of knowledge and understanding of the techniques and research in the field of osseointegration and related disciplines.
5. To promote the publication of research findings and other materials as part of continuing education for the benefit of members and interested organisations.

**Membership**

93% of our members at the congress in Zürich (2006) said they would recommend EAO to a colleague.

Join EAO now and benefit from a substantially reduced registration fee to the Annual Congress!

In addition you will enjoy other membership benefits such as free subscription to the bi-monthly Blackwell-Munksgaard Clinical Oral Implants Research journal (6 issues per year and online access), a membership directory containing the names and addresses of all members, a personal EAO pin, and a wide network of colleagues and leading innovators from around the world.

For more information on membership, please contact:

EAO Office
Ms Anastasia Duval
287 Avenue Louise
1050 Brussels - Belgium
Tel +32 (0) 2 643 20 49
Fax +32 (0) 2 645 26 71
eao@agshq.com
www.eao.org
Exhibition plans

Founding Gold Sponsors

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Visit Wiley-Blackwell’s booth at the European Association of Osseointegration’s 17th Annual Scientific Meeting

Wiley-Blackwell is honoured to be the publisher of the official journal of the European Association of Osseointegration and offers to attendees at this conference a special discount of 20% on all books on display at our booth.

www.blackwellpublishing.com/dentistry
European Association
for Osseointegration

See you in Monaco!
18th Annual Scientific Meeting
30 September to 3 October 2009

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