

The Hellenic Society of Periodontology presents:

1st Hellenic
bone & tissue days
Athens 2018
2 - 3 February 2018



bone & tissue
regeneration

botiss
biomaterials

soft tissue

education

hard tissue

program

Organized by the Hellenic Society of Periodontology

bone & tissue days Athens

Friday, 2nd February 2018

07:30 – 10:00	Registration
08:00 – 10:00	Workshop Orcan Yüksel: Update in Bone-Ring Technique: results after 5 years with allografts in 3-dimensional augmentation
08:00 – 10:00	Workshop Kris Chmielewski: Impression techniques for the individual emergence profile transfer and for CAD/CAM restorations
10:00 – 10:30	Opening Ceremony
10:30 – 12:30	Leonardo Trombelli: The application of treat-to-target to periodontal therapy: techniques and technology
12:30 – 13:00	Coffee Break
13:00 – 15:00	Anton Sculean: Clinical concepts and new developments in reconstructive periodontal surgery
15:00 – 16:00	Lunch
16:00 – 18:00	Marius Steigmann: Soft tissue management for high-volume augmentation in the aesthetic zone
18:00 – 19:00	Reception

Saturday, 3rd February 2018

08:00 – 10:30	Workshop Giovanni Zucchelli: Mucogingival aesthetic surgery
10:30 – 12:30	Giovanni Zucchelli: Soft tissue defects around osteointegrated implants
12:30 – 13:00	Coffee Break
13:00 – 15:00	Kris Chmielewski: Prosthetic solutions for optimized soft tissue aesthetics
15:00 – 16:00	Lunch
16:00 – 18:00	Orcan Yüksel: The Bone-Ring Technique: 3D bone augmentation and implantation in a single step procedure
18:00 – 18:15	Adjournment

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Abstracts



Orcan Yüksel

Lecture: The Bone-Ring Technique: 3D Bone augmentation and implantation in a single step procedure

3-dimensional bone defects can be treated in a one step protocol using the bone-ring technique. If the recommended treatment protocol is observed and the risky anatomical regions are respected, bone grafting and implant placement using the bone-ring technique can be performed safely. Possible donor sites for the ring technique include, in addition to the chin, the palatal bone and the retromolar region. Crucial elements of successful soft tissue management following extensive augmentation are a correct flap design and a tension-free closure. Participants will have the chance to see the usage of prefabricated allografts in the bone-ring treatment.

Workshop: Update in Bone-Ring Technique: results after 5 years with allografts in 3-dimensional augmentation

The Bone-Ring Technique can also be performed using prefabricated bone rings of processed allogenic donor bone. The 'allograft bone-ring technique' allows bone augmentation and implantation in a one-stage procedure like classical bone-ring technique but eliminates the bone harvesting.

'Allograft bone-rings' eliminate the need for second surgical side to harvest and adjust bone blocks manually to the defect. Thereby, allograft bonering reduces pain, risk of infection, morbidity, and operation-time significantly. The bone ring with allografts shows after 5 years clinical usage good results for both, vertical and horizontal augmentation and a very good new bone formation. Biopsies taken after 6 months and later as well as the clinical outcome will be discussed in this presentation. This workshop will show a step-by-step protocol and new details with different clinical indications. To improve the success, important suture techniques and the tension-free wound closure will be demonstrated. The simplicity of the surgical treatment of three dimensional bone defects is now possible with this recommended technique. In this presentation recent clinical and animal studies with the allografts and autogenic bone-rings will be presented and outcomes discussed.



Kris Chmielewski

Lecture: Prosthetic solutions for optimized soft tissue aesthetics

The concept of aesthetics can be understood and interpreted in different ways and depends on the individual situation of the patient. Planning prosthetic treatment allows us to determine optimum positions for implants and the shape of the teeth but at the same time allows to predict the limitations associated with pink aesthetics.

On the basis of proper planning, communication with the patient is essential, which makes it possible to make prosthetic restorations that meet the patient's expectations, taking into account the limitations of a particular case. This is true for both single tooth reconstruction and complex cases. During the lecture will be presented the techniques of planning and treatment with prosthetic restorations to achieve optimal soft tissue aesthetics.

Workshop: Impression techniques for the individual emergence profile transfer and for CAD/CAM restorations

Soft tissue management around implants helps to optimize the aesthetic outcome by creating emergence profile for the final restoration. It is important to transfer the shape of soft tissue to the dental laboratory. Shaping of the profile is created with temporary crowns or individual healing abutments. The challenge is to transfer the form of soft tissue to the dental laboratory. Soft tissue quickly will collapse after removal of the crown. By using the standard impression copings, which are round in cross-section and small in the diameter, we are in the risk to transfer the false situation. By applying simple technique you can create your customized impression coping to transfer the perfect shape of soft tissue.



Leonardo Trombelli

Lecture: The application of treat-to-target to periodontal therapy: techniques and technology

"Treat-to-target" (T2T) is a medical concept used to design therapeutic strategies based on treatment modalities aimed to achieve well defined, clinically relevant treatment outcomes. Treatment endpoints have to be based on established quantitative indicators, and the rationale for a specific target is based on comprehensive, evidence based, generally accepted target values that need be easily shared with the patient. T2T strategy involves intense management of the index condition with frequent monitoring of signs and symptoms while escalating the treatment in order to achieve a pre-specified therapeutic target, as opposed to traditional approach of management without specific milestones. It is intended to improve the outcomes by controlling disease activity, avoiding late consequences, and improving quality of life. During the presentation, paradigmatic clinical cases will be used to illustrate the T2T concept in periodontal treatment, and which technological and technical innovations may allow for optimizing the treatment outcomes while minimizing risk-cost/benefit ratio.

Abstracts



Anton Sculean

Lecture: [Clinical concepts and new developments in reconstructive periodontal surgery](#)

Reconstructive procedures in periodontology aim at regenerating the lost periodontal supporting tissues which have been lost following periodontal disease. During the last decades, several treatment modalities including the use of bone grafting materials, barrier membranes, enamel matrix derivative (EMD), some types of growth factors or various combinations thereof, have been shown to promote periodontal regeneration (i.e. formation of cementum, periodontal ligament, alveolar bone and gingiva) to a varying extent.

In recent years, a better understanding of the biology, combined with improved surgical techniques yielded to clinical concepts enabling predictable treatment outcomes in intrabony, furcation, and also recession-type defects. In carefully selected patients and defects, in conjunction with a strict pre -and postoperative infection control, reconstructive periodontal surgery may lead to substantial regeneration of hard and soft tissues and clinical benefits evidenced by probing depth reduction, gain of clinical attachment, defect fill and improved esthetic outcomes. Moreover, longitudinal studies have also provided evidence for long-term stability of the clinical outcomes, thus pointing to the clinical relevance of these concepts in improving tooth prognosis. Very recently, new formulations of EMD such as Osteogain combined with various types of bone grafting materials or collagen matrices have been shown to positively influence periodontal wound healing/regeneration.

In the last years, the use of innovative surgical techniques such as the Modified Coronally Advanced Tunnel (MCAT) or the Laterally Moved Tunnel (LMT) combined with connective tissue grafts or collagen matrices with or without EMD have been proven as predictable methods for obtaining predictable coverage of single and multiple gingival recessions, latest data indicating long-term (up to 5 years) stability of the results. In certain, well selected, cases the MCAT has been also successfully used to correct soft tissue defects around dental implants.

The present lecture will provide the scientific background for a biologically driven philosophy in reconstructive periodontal surgery while presentations of clinical cases and of surgical videos will demonstrate the step-by-step procedure of these concepts in various clinical scenarios.



Marius Steigmann

Lecture: [Soft tissue management for high-volume augmentation in the aesthetic zone](#)

Soft tissue of management in the aesthetic zone is one of the biggest challenges in esthetic implant dentistry.

Closing the flap in the aesthetics zone without scars in thin or thick biotope without displacement of the Mucogingival junction is difficult.

Additional the reconstruction of the soft tissue architecture after implant osseointegration needs up skills and knowledge on adequate soft tissue surgery.

The lecture will focus on incision new flap design and suture and soft tissue manipulation for high volume augmentation where not only the success of the graft but also the overall soft tissue outcome.



Giovanni Zucchelli

Lecture: [Soft tissue defects around osteointegrated implants](#)

The recession of the buccal soft tissue margin is a frequent complication of well integrated dental implants. The appearance of metallic structure or even their transparency through the thin buccal soft tissues are common reasons for patient aesthetic complains.

Mucogingival plastic surgery can be successfully used in combination with a prosthetic approach to treat soft tissue dehiscence around dental implants.

This approach consists of a presurgical phase in which the crown is removed and the abutment reduced in order to increase the space between it and the adjacent teeth that will be filled with soft tissues. The second phase is the mucogingival one, consisting of a connective tissue graft positioned above the abutment and completely covered by a coronally advanced flap. During the postsurgical phase a temporary crown is used to condition the augmented soft tissue.

The aim of the lecture is to describe step by step this new combined surgical and restorative procedure for the treatment of soft tissue defects around implants.

Workshop: [Mucogingival esthetic surgery](#)

The hands-on course is planned and designed to develop periodontal surgical skills. Each procedure is trained step by step in detail with live demonstrations on pig jaws and each participant also performs procedures on pig jaws. The course is instructed by Prof. Zucchelli and his experienced periodontists assistant Dr. Martina Stefanini.

[The workshop will enable participants to do:](#)

- Flap design for the treatment of single and multiple recession defects
- Split-full-split flap elevation
- Connective tissue graft harvesting technique
- Suturing techniques

Speakers

Dr. med. dent. Orcan Yüksel

- studied dentistry at Johann Wolfgang Goethe University in Frankfurt am Main and Istanbul University, graduated in 1987 subsequently obtained his doctoral degree in Frankfurt
- since 1993 owns dental clinic in Frankfurt, specialized in Dental Aesthetics and Oral Implantology
- is a certified Implantologist, diplomate of ICOI / USA and Implantological Trainer certified by the European Association of Dental Implantologists (BDIZ/EDI)
- since 1997 has held numerous international presentations and publications on Dental Implantology and Aesthetics. Co-developer of the bonering technique

Dr. Krzysztof "Kris" Chmielewski, DDS, MSc

- President of Polish Academy of Esthetic Dentistry
- Graduated 1993 at Medical University in Gdansk
- 1993 – 1994: Assistant in Prosthetic Department in Medical Academy in Gdansk
- From 1996 runs his own private practice focused on aesthetic treatment and implantology
- Master of Science in Oral Implantology at W.Goethe Univeristy in Frankfurt am Main
- Graduate of Dr. J.Kois Centre in Seattle
- Visiting Lecturer in W. Goethe University in Frankfurt (MOI Program) International speaker in the field of Implantology, aesthetic treatment and Dental Photography
- Co-Founder of Polish Academy of Esthetic Dentistry
- Educational Director in www.dentalphotomaster.com
- DentalXP Expert
- ITI Fellow

Prof. Dr. Leonardo Trombelli, DDS, PhD

- Full Professor and Chair, Periodontology, School of Dentistry, University of Ferrara
- Director, Research Center for the Study of Periodontal and Peri-implant Diseases, University of Ferrara
- Director, Dental Clinic, University Hospital, Ferrara
- Dean, Dental School, University of Ferrara
- 2014 – 2016: President, Medical School, University of Ferrara
- 2007 – 2009: Past President of the Italian Society of Osseointegration Active member of Italian Society of Periodontology, Italian Society of Osseointegration, International Association for Dental Research
- Editorial Board member for the Journal of Clinical Periodontology, member of the Peer review panel for the Journal of Periodontology. Private practice limited to Periodontology and Implantology

Speakers

Prof. Dr. med. dent. Anton Sculean,
Dr. h.c., M.S.

Professor and Chairman, Department of Periodontology and Executive Director of the School of Dental Medicine, University of Bern, Switzerland
Anton Sculean qualified in 1990 at the Semmelweis University in Budapest, Hungary and has received his postgraduate training at the Universities Münster, Germany and Royal Dental College Aarhus, Denmark. He received his habilitation (PhD) at the University of Saarland, Homburg, Germany.
From 2004 to 2008 he was appointed as Head of the Department of Periodontology and Program Director of the EFP accredited postgraduate program at the Radboud University in Nijmegen, the Netherlands.
In December 2008, he was appointed Professor and Chairman of the Department of Periodontology of the University of Bern, Switzerland. Professor Sculean has been a recipient of many research awards, among others the Anthony Rizzo Award of the Periodontal Research Group of the International Association for Dental Research (IADR), and the IADR/Straumann Award in Regenerative Periodontal Medicine. He received honorary doctorates (Dr. h.c.) from the Semmelweis University in Budapest, Hungary and from the Victor Babes University in Timisoara, Romania. He is on the editorial board of more than 10 dental journals amongst others the Journal of Clinical Periodontology, Clinical Oral Implants Research, Journal of Periodontal Research and Clinical Advances in Periodontics.
He is Associate Editor of Clinical Oral Investigations, Quintessence International, Section Editor of BMC Oral Health and Editor in Chief of Oral Health and Preventive Dentistry. Professor Sculean served from 2009 - 2010 as president of the Periodontal Research Group of the IADR and is currently president of the Swiss Society of Periodontology. His current research interests include periodontal wound healing, regenerative and plastic-esthetic periodontal therapy, treatment of peri-implantitis, antibiotic and antiseptic therapies, laser and photodynamic treatment and oral biofilms. He has authored more than 200 articles in peer-reviewed journals, 12 chapters in periodontal textbooks and has delivered more than 300 lectures at national and international meetings. He is editor of the book Periodontal Regenerative Therapy published by Quintessence in 2010 and Guest Editor of the Periodontology 2000 volume entitled "Wound Healing Models in Periodontology and Implantology".

Dr. Marius Steigmann, PhD

- Adjunct Clinical Associate Professor University of Michigan Dpt. of Periodontics
- Adjunct Assistant Professor of oral and maxillofacial surgery Boston University
- Adjunct Assistant Professor University of Pennsylvania Dpt. of Endodontics
- Honorary Professor of the "Carol Davila" University Bucharest, Invited Senior Guest
- Visiting Professor University of Szeged faculty of dentistry
- Visiting professor department of Implantology in Temeschburg
- Dr. Steigmann lectures and publishes extensively
- Member of several associations (such as DGOI, FIZ, BDIZ und ICOI)
- He is a Diplome of the ICOI and other European societies
- Member of the board of the DGOI
- Dr. Steigmann also received the medal of "Semmelweis" Budapest University dental school, dept. of oral and maxillofacial surgery
- Dr. Steigmann received his PhD from the University of Neumarkt 2005
- Founder and Scientific chairman of "Update Implantologie Heidelberg" 2002-2012
- Dr. Steigmann served as ICOI Vice President of Germany 2005-2011
- Founder and director of the "Steigmann Institute"
- Dr. Steigmann maintains a private practice in Neckargemünd, Germany

Prof. Giovanni Zucchelli, DDS PhD

- Graduated in 1988 from the University of Bologna, Italy with a degree in dentistry
- He was awarded PhD in Medical Biotechnology in 1999 from the University of Bologna, Italy
- Professor of Periodontology at the University of Bologna, Italy from 2000
- Received many awards for clinical research in Periodontology in Europe and the United States
- In 2006 and 2008 is the winner of The AAP Foundation-E Bud Tarrson Research Award in Oral Plastic Surgery
- Active member of EAED (European Academy of Esthetic Dentistry), SIdP (Italian Society of Periodontology) and SIO (Italian Society of Osteointegration); member of the European Federation of Periodontology
- Associate Editor of the International Journal of Esthetic Dentistry and Member of the editorial board the International Journal of Periodontics and Restorative Dentistry
- Peer reviewer in most ranked Periodontal Journals
- Author of 100 publications in Pubmed
- Innovator of several soft tissue plastic surgical techniques
- Speaker at major international conferences on periodontology
- Has taught theoretical and practical (with live Surgery) courses in all countries
- Co-author of two illustrated textbooks on periodontal plastic surgery (Ed. Martina)
- Co-author of chapter "Mucogingival Therapy-Periodontal Plastic Surgery" in Clinical Periodontology and Implant Dentistry (Lindhe J, Lang NP, Karring T [eds], Wiley-Blackwel
- Author of the book title, 'Mucogingival Esthetic Surgery' from Quintessence Publishing, published in 12 languages

Registration fees

Congress:

Early Bird until 19/01/2018

HSP Members:	200 €
Non-Members:	250 €
Students:	150 €

From 20/01/2018

HSP Members:	280 €
Non-Members:	350 €
Students:	200 €

Hands-on workshops:

O. Yüksel & K. Chmielewski (each 120 min)	150€
G. Zucchelli (150 min)	200€

two workshops	300€
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Registration:

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Further information on:

www.periodontology.gr
www.facebook.com/hesperio
www.boneandtissue.com



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1st Hellenic

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Location:

Royal Olympic Hotel
Athanasίου Διακού 28
Athens, Greece 117 43



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