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**ZAVRŠNI PROGRAM  
FINAL PROGRAMME**

HRVATSKI LIJEČNIČKI ZBOR  
**HDDI**  
hrvatsko društvo za dentalnu implantologiju

Hrvatski liječnički zbor

Croatian Medical Association

Hrvatsko društvo za dentalnu implantologiju

Croatian Society Of Dental Implantology

20. OBLJETNICA

20 ANNIVERSARY

Stomatološki fakultet, Sveučilište u Zagrebu

School Of Dental Medicine, University Of Zagreb

POD POKROVITELJSTVOM GRADA PULE,

TURISTIČKE ZAJEDNICE GRADA PULE I ISTARSKJE ŽUPANIJE

UNDER THE AUSPICES OF THE CITY OF PULA AND

TOURISM OFFICE PULA AND ISTRIA COUNTY

**10. MEĐUNARODNI KONGRES  
HRVATSKOGA DRUŠTVA ZA  
DENTALNU IMPLANTOLOGIJU**

**10<sup>th</sup> INTERNATIONAL CONGRESS  
OF THE CROATIAN SOCIETY OF  
DENTAL IMPLANTOLOGY**

**18. - 21. 4. 2024. / Park Plaza Histria, Pula**





## **Poštovana kolegice, poštovani kolega!**

Osobito mi je zadovoljstvo u ime društva i u svoje osobno ime pozvati Vas i zaželjeti dobrodošlicu u Pulu na naš 10. međunarodni kongres.

Hrvatsko društvo za dentalnu implantologiju HLZ-a utemeljeno je 2004. godine, nakon 10 godina od početka primjene dentalnih implantata i implantoprotetske rehabilitacije u Hrvatskoj. S prvim smo kongresom započeli u Istri gdje smo pod vodstvom predsjednika društva prof. dr. sc. Pavela Koblera 2005. godine održali kongres u Poreču u hotelu Pical.

Ove se godine vraćamo u Istru s obzirom da ćemo proslaviti dva jubileja. Obilježiti ćemo 20. obljetnicu društva i organizirati 10. kongres. Od prvoga kongresa zadržali smo osnovnu koncepciju organizacije, ali naravno vodeći računa o brzom napretku i novim spoznajama ove izuzetno zanimljive i dinamične interdisciplinarne struke.

Cilj je kongresa poticanje primjene usvojenih znanja i vještina u svakodnevnom radu na dobrobit Vaših pacijenata. Od početka nas prate naši partneri, na čemu smo posebno zahvalni. Kao i dosad, dovode vrhunske inozemne predavače koji će Vas upoznati s praktičnim rješenjima implantoprotetske rehabilitacije temeljenim na znanstvenim postignućima. Pretkongresne radionice s praktičnim vježbama pridonijet će stjecanju novih praktičnih vještina, dobivanju odgovora na kliničke probleme i razmijeni osobnih iskustava. U bogatom izložbenom prostoru imat ćete priliku obnoviti svoju opremu i instrumentarij te nabaviti najmodernije materijale.

Zahvaljujemo Vam na sudjelovanju u radu dosadašnjih kongresa i pozivamo da i ove godine e-posterima i usmenim izlaganjima prikažete svoje zanimljive slučajeve i rezultate vlastitih istraživanja te tako pridonese te kvaliteti i uspjehu kongresa.

U ime društva i u svoje osobno ime pozivam Vas da zajedno provedemo nekoliko lijepih dana u Puli, u prekrasnoj Istri. Želimo Vam sretan put i srdačnu dobrodošlicu, ugodan boravak i puno uspjeha u radu.



**Darko Macan**

Predsjednik Hrvatskoga društva  
za dentalnu implantologiju HLZ-a

## **Dear colleagues,**

It is a great pleasure on behalf of the Croatian Society of Dental Implantology of the Croatian Medical Association and myself to invite and welcome you to Pula on our 10th International Congress.

Our Society was founded in 2004, just 10 years after the start of dental implantology and implant-prosthetic rehabilitation in Croatia. Our first congress was held in 2005 at the Pical Hotel in Poreč, Istria, under the leadership of the President of the Society, prof. dr. sc. Pavel Kobler.

This year we are returning to Istria to celebrate two jubilees. We will celebrate the 20<sup>th</sup> anniversary of the society and hold the 10th congress. Since the first congress, we have kept the basic concept of the organization, but of course taking into account the rapid progress and new knowledge of this extremely interesting and dynamic interdisciplinary profession.

The goal of this congress is to encourage the application of acquired knowledge and skills in daily work for the benefit of our patients. Our partners have supported us since the beginning and for their support we are humbly grateful for. As before, they will bring excellent esteemed lecturers from abroad who will introduce you to practical solutions of implantoprosthetic rehabilitation based on scientific achievements. Pre-congress workshops with practical exercises will enable you to acquire new practical skills, get answers to clinical problems and share personal experiences. In the rich exhibition space, you will have the opportunity to renew your equipment and instruments and purchase the most contemporary materials.

We thank you for your participation in previous congresses and invite you to present interesting cases and results of your own research as e-posters and oral presentations, thus contributing to the quality and success of this year's congress.

On behalf of the society and myself, I invite you to spend a few nice days together in Pula, in beautiful Istria. We wish you a safe journey, a warm welcome, a pleasant stay and your professional success.

**Darko Macan**

President of Croatian Society  
Of Dental Implantology CMA



## **ORGANIZATORI / ORGANISERS**

- HRVATSKI LIJEČNIČKI ZBOR / CROATIAN MEDICAL ASSOCIATION
- HRVATSKO DRUŠTVO ZA DENTALNU IMPLANTOLOGIJU / CROATIAN SOCIETY OF DENTAL IMPLANTOLOGY
- STOMATOLOŠKI FAKULTET, SVEUČILIŠTE U ZAGREBU / SCHOOL OF DENTAL MEDICINE, UNIVERSITY OF ZAGREB

## **POKROVITELJI**

- GRAD PULA
- TURISTIČKA ZAJEDNICA GRADA PULE
- ISTARSKA ŽUPANIJA



## **ORGANIZACIJSKI - PROGRAMSKI ODBOR / ORGANIZING AND PROGRAMME COMMITTEE**

Darko Macan, predsjednik  
Amir Čatić, dopredsjednik  
Davor Brajdić, Tajnik  
Serhat Aslan (TR)  
Kristijan Dujmenović  
Petar Đanić  
Dragana Gabrić  
Zoran Kovač

Luka Marković  
David Palombo (IT)  
Ivica Pelivan  
Darije Plančak  
Irena Sailer (CH)  
Ivan Salarić  
Mato Sušić  
Bruno Vidaković

## POZVANI PREDAVAČI / INVITED SPEAKERS

**Serhat Aslan**, DDS, PhD, professor, periodontist. Visiting Professor in Department of Biomedical, Surgical & Dental Sciences, University of Milan, Italy; Visiting Professor in Department of Oral Health Sciences, Periodontology and Oral Microbiology, KU Leuven, Belgium; Invited Professor in Post-graduate Program in Periodontology and Implantology, University of Porto, Portugal; Dentistry, Residency & PhD in Periodontology, Ege University, Turkey; Private Office, Alsancak, Turkey.

**Andreas Barbetseas**, DMD, Postgraduate Degree in Implant Dentistry, New York University, Founder of the ImmediaTeam International Association; Private dental practice Barbetseas Dental Clinic, Attica, Greece.

**Emiliano Ferrari**, DMD, Dentistry and Dental Prosthetics, University of Bologna; „American postgraduate certificate in implantology and oral rehabilitation“, New York University, NY, USA; Medical Director Studio Dentistico, Bologna, Italy.

**Mischa Krebs**, Dr. med. dent. assistant professor in the department of post-graduate education of the Goethe University, Frankfurt, Germany; Private dental practice, Alzey, Germany.

**David Palombo**, DDS, MSc, MDS, MClintDent(Perio), PhD candidate Universidad Complutense de Madrid, EFP Board of Periodontology, Professor Master Periodontum Academy (Madrid), Milano, Italy.

**Miha Pirc**, DMD, specialist in periodontology, Clinic of Reconstructive Dentistry, Center of Dental Medicine, University of Zurich, Switzerland.

**Irena Sailer**, Prof. Dr. med. dent., prosthodontist, Head Division of Fixed Prosthodontics and Biomaterials at the University of Geneva, Switzerland. Adjunct Associate Professor Department of Preventive and Restorative Sciences, Robert Schattner Center, School of Dental Medicine, University of Pennsylvania, Philadelphia, USA.

## **METODE IZLAGANJA / PRESENTATION METHODS**

- Pozvani predavači do 45 min / Invited speakers up to 45 min
- Usmeno izlaganje do 15 min / Oral presentation up to 15 min
- Prikaz e-postera do 5 min / E-Poster presentation up to 5 min

## **VAŽNI DATUMI / IMPORTANT DATES**

- Rana kotizacija / Early registration deadline **10.3.2024.**
- Rok za prijavu sažetaka / Abstract submission deadline **10.3.2024.**
- Pretkongresna radionica  
Pre-Congress Hands-on training course **18.4.2024.**
- Održavanje kongresa / Congress **18.-21.4.2024.**



## PROGRAM

### Četvrtak / Thursday 18.4.2024.

**13:00-19:00** REGISTRACIJA SUDIONIKA / REGISTRATION

**16:00-19:00** **PRAKTIČNE PRETKONGRESNE RADIONICE /  
PRE-CONGRESS HANDS-ON TRAINING COURSES**

### Serhat Aslan

DDS, MSc, PhD, professor, periodontist. Visiting Professor in Department of Biomedical, Surgical & Dental Sciences, University of Milan. Visiting Professor in Department of Oral Health Sciences, Periodontology and Oral Microbiology, KU Leuven. Invited Professor in Post-graduate Program in Periodontology and Implantology, University of Porto. Dentistry, Residency & PhD in Periodontology, Ege University. Dr. Aslan Private Office, Alsancak, Turkey Turkish Society of Periodontology, Treasurer.



*Prof. Serhat Aslan is a graduate of Ege University, School of Dentistry where he received his DDS degree. He attended Periodontology Program of Graduate Study offered by Institute of Health Sciences at Ege University and awarded a PhD degree at Periodontics. He maintains a private practice limited to periodontics, fixed prosthodontics and implants with focus on microsurgery, hard and soft tissue reconstruction and minimally invasive surgery. Serhat Aslan is a Professor in the Department of Biomedical, Surgical and Dental Sciences, University of Milan, Italy and in the Department of Oral Health Sciences, Periodontology and Oral Microbiology, KU Leuven, Belgium. He was an Invited Professor in Post-graduate Program in Periodontology and Implantology, University of Porto, Portugal. Currently, he is the board member and treasurer of Turkish Society of Periodontology. Also, he is an active member of European Federation of Periodontology, Italian Society of Periodontology and Implantology, Turkish Academy of Esthetic Dentistry and honorary member of Croatian Academy of Aesthetic Dental Medicine. Prof. Aslan is intensely involved in mono/multi-center clinical research and development in periodontology, with special emphasis to plastic-periodontal surgery, guided bone/tissue regeneration and esthetic implant therapy.*



## **PERI-IMPLANT TISSUE RECONSTRUCTION: FUNDAMENTALS OF MICROSURGICAL TISSUE HANDLING AND WOUND CLOSURE**

Developments in the microsurgery have led to an era of invisible dentistry. Technical improvements and advancement in biomaterials facilitate to augment the deficient sites. Despite these developments, the rules of the biology remain the same. Blood supply, handling of the soft tissues, flap thickness, design and tension are key elements to achieve optimal surgical outcome. These factors should be critically evaluated and controlled by clinician. In this training module, participants will receive the core of modern periodontal treatment concepts for peri-implant tissue reconstruction.

### **David Palombo**

DDS, MSC, MDS, MCLINDENT(PERIO),  
PHD candidate Universidad Complutense de Madrid,  
EFP Board of Periodontology, Professor Master  
Periocentrum Academy (Madrid), Milano, Italy.



*Dentist - Ordine dei Medici Chirurghi e degli Odontoiatri di Milano - n 5386 • Graduated Summa cum Laude with an honorable mention from the University of Milan, Italy • Osteology Research Academy Core Module, Harvard University, 2016 • International Research Fellow Italian Society of Osseointegration (SIO), 2017 • Master of Sciences in Periodontology, Universidad Complutense de Madrid, 2017 • Experto en Clinica Periodontal, Universidad Complutense de Madrid, 2017 • Master "Soft tissue management around teeth and implants", University of Bologna, 2019 • Young Researcher Grant Osteology Foundation, 2020 • EFP accredited full time Master in Periodontology and Implants, Universidad Complutense de Madrid, 2021 • EFP Board of Periodontology, 2021 • PhD candidate, Universidad Complutense de Madrid, 2024 • Research fellow, Universidad Complutense de Madrid, 2023-present • Ad hoc reviewer for the International Journal of Periodontics and Restorative Dentistry, 2023-present • Member of the National Osteology Group Italia LeadershipTeam, 2023-present • Member of the Mucogingival Community Board - Spanish Society of Periodontology (SEPA), 2023-present • Member of the Italian Society of Periodontology Young Group Board (SidP Giovani), 2022-present • Professor Master Periocentrum Academy (Madrid), 2021-present • Bibliographic indicators according to Scopus (03/07/2023): 14 Publications, 61 Citations, H-Index 41*

## **GEISTLICH REGENFAST®: CLINICAL APPLICATIONS FOR HARD TISSUES REGENERATION**

Alveolar bone defects deriving from the resorptive processes which follow tooth extraction, long-standing edentulism, periodontitis, or trauma, are a common finding in partially or totally edentulous patients requesting implant-supported prosthetic rehabilitations. Recently, a novel regenerative technology based on a viscoelastic gel composed of polynucleotides and hyaluronic acid has been introduced, which aims to promote healing during hard and soft tissue reconstructive procedure. The objective of this workshop is review the biologic rationale for its application in peri-implant hard tissues reconstructions, to describe its step by step specific application protocol and its first clinical and histologic results. A simulation of a guided bone regeneration procedure will be performed, analysing the critical steps of the surgery and reviewing the application of the viscoelastic gel using a layered approach.

**19:30** VEČERA za sudionike radionica – Hotel Park Plaza Histria  
DINNER for participants of training courses - Hotel Park Plaza Histria

### **Petak / Friday 19.4.2024.**

- 08:00-14:00** REGISTRACIJA SUDIONIKA / REGISTRATION
- 09:00-13:00** **POZIVNA PREDAVANJA / INVITED LECTURES**  
**Moderatori: Davor Brajdić, Ivica Pelivan**
- 09:00-09:45** **Mischa Krebs** (Frankfurt / Alzey, Germany)  
Perfect & lasting aesthetics + shortened treatment time = digital dentistry
- 09:45-10:30** **David Palombo** (Milano, Italy)  
Hard tissues regeneration: from basic principles to modern innovations
- 10:30-10:40** RASPRAVA / DISCUSSION
- 10:40-11:00** Stanka za kavu / Coffee break

**Moderatori: Dragana Gabrić, Amir Čatić**

- 11:00-11:45** **Serhat Aslan** (Izmir / Alsancak, Turkey)  
The future of reconstructive peri-implant surgery:  
Influence of biomaterials and flap design
- 11:45-12:45** **Irena Sailer** (Geneva, Switzerland)  
Advances in implant dentistry for your daily practice
- 12:45-12:55** RASPRAVA / DISCUSSION
- 12:55-13:40** Ručak / Lunch
- 14:00** Polazak autobusa ispred Hotela Park Plaza Histria u Fažanu – polazak broda u 14:30 na Brijune / Bus departure in front of the Hotel Park Plaza Histria to Fažana – excursion to Brijuni Islands by boat – departure at 14:30 from Fažana
- 18:30** Polazak broda s Brijuna u Fažanu - povratak autobusima u Hotel Park Plaza Histria. Boat departure from Brijuni to Fažana. Return by bus to Hotel Park Plaza Histria
- 20:15** Polazak autobusa ispred Hotela Park Plaza Histria u Dom hrvatskih branitelja, Pula, Leharova ul. 1 - Otvaranje kongresa i večera dobrodošlice Bus departure in front of the Hotel Park Plaza Histria to Home of Croatian veterans in Pula, Leharova st. 1 - Opening ceremony and welcome dinner

**Subota / Saturday 20.4.2024.**

- 08:30-13:30** REGISTRACIJA SUDIONIKA / REGISTRATION
- 09:15-13:00** **POZIVNA PREDAVANJA / INVITED LECTURES**  
**Moderatori: Andrija Bošnjak, Nikša Dulčić**
- 09:15-10:00** **Miha Pirc** (Zurich, Switzerland)  
Secrets of peri-implant tissue stability: unveiling the key factors
- 10:00-11:00** **Andreas Barbetseas** (Attica, Greece)  
Digital planning and guided implants in the aesthetic zone
- 11:00-11:10** RASPRAVA / DISCUSSION
- 11:10-11:40** Stanka za kavu / Coffee break 

**Moderatori: Tomislav Čabov, Zoran Kovač**

- 11:40-12:40 Irena Sailer** (Geneva, Switzerland)  
Management of white and pink esthetics -  
an interdisciplinary approach
- 12:40-13:25 Emiliano Ferrari** (Bologna, Italy)  
Predictable aesthetic outcomes in edentulism. When to opt  
for removable and when for fixed prosthetic solutions
- 13:25-13:35** RASPRAVA / DISCUSSION
- 13:35-14:30** Ručak / Lunch **CURAPROX**

**14:30-16:05 USMENI PRIKAZ E - POSTERA /  
E - POSTER ORAL PRESENTATION**

(max. 5 minuta po e-posteru / max. 5 minutes per e-poster)

(E-posteri se mogu razgledavati na monitorima u izložbenom prostoru) E-posteri se prikazuju Power Point prezentacijom kao kratko usmeno priopćenje. Power Point prezentacije se predaju tehničkom osoblju najkasnije jedan sat prije početka sekcije.

(The E-posters can be viewed on monitors in the exhibition area)  
E-posters are presented as a brief oral communication through a PowerPoint presentation. PowerPoint presentations should be submitted to the technical staff at least one hour before the start of the session.

**Moderatori: Ivan Salarić, Darije Plančak**

- 14:30-14:35 P1.** Grüngold Golubić L, Stipčević M, Bago I. (Zagreb):  
Preprotetska i mukogingivna kirurgija kao alternativa terapiji dentalnim implantatima
- 14:36-14:41 P2.** Kovač Z, Čabov T, Blašković M, Mihanović D, Žuža I. (Rijeka):  
Implantoprotetska rehabilitacija pacijenta s apikalnom resorpcijom korjenova nakon ortodontske terapije
- 14:42-14:47 P3.** Tomić M, Brajdić D. (Zagreb):  
Anatomske varijacije mandibularnog kanala – prikaz slučaja nedostatne analgezije pri ugradnji dentalnog implantata



- 14:48-14:53** **P4.** Laktić M, Bedek I, Biočić J. (Zagreb):  
Imedijatna implantacija i protetska opskrba na pozicijama gornjih središnjih sjekutića
- 14:54-14:59** **P5.** Brajnik G, Gregorc N, Sapundžiev D. (Domžale, SLO):  
Imedijatno opterećenje implantata nakon vodene koštane regeneracije u estetskoj zoni – prikaz slučaja
- 15:00-15:20** SPONZORIRANO PREDAVANJE - **NEODENS**  
Bočkaj N, Kosec P. (Zagreb): Inovacije u dentalnoj protetici
- 15:21-15:26** **P6.** Rajić M, Pelivan I, Gabrić D. (Zagreb): BARP tehnika prezervacije alveole – od ekstrakcije do protetske opskrbe
- 15:27-15:32** **P7.** Gregorc N, Brajnik G, Sapundžiev D. (Grosuplje, SLO):  
Raspletljavanje odgođenih komplikacija nakon postavljanja dentalnih implantata – prikaz slučaja
- 15:33- 15:38** **P8.** Reschner V, Perić B, Perić A, Petrović V. (Ljubljana, SLO):  
Rješavanje izazova: prikaz slučaja pucanja vijka i nadogradnje u implantoprotetskom liječenju
- 15:39-15:44** **P9.** Bursać D, Sušić M, Vuletić M, Gabrić D. (Zagreb):  
Vertikalna augmentacija alveolarnog grebena s novim dentalnim biomaterijalom – prikaz slučaja
- 15:45-15:50** **P10.** Tafra B, Đanić P, Salarić I, Brajdić D. (Zagreb):  
Autologni subepitelni transplantat oko dentalnog implantata – prikaz slučaja
- 15:50-16:05** RASPRAVA / DISCUSSION
- 17:30** Polazak autobusa ispred Hotela Park Plaza Histria.  
Razgledavanje grada Pule uz pratnju turističkog vodiča /  
Bus departure in front of the Hotel Park Plaza Histria.  
Guided walking sightseeing tour of the old city Pula
- 20:30** ZAJEDNIČKA VEČERA / SOCIAL DINNER  
(Hotel park Plaza Histria)

## Mischa Krebs

Dr. med. dent. assistant professor in the department of post-graduate education of the Goethe University, Frankfurt, Germany; Private dental practice, Alzey, Germany



*Mischa Krebs is assistant professor in the department of post-graduate education of the Goethe University, Frankfurt, Germany and private practitioner. He is author of scientific papers, and lectures in Germany and globally for students, post-graduates, in Master Classes and for Master Dental Technicians. His research focuses on clinical trials, incidence of peri-implantitis and new digital technologies. His passion is to improve clinical results, patient comfort and long-term success with new digital workflows.*

## PERFECT & LASTING AESTHETICS + SHORTENED TREATMENT TIME = DIGITAL DENTISTRY

Osseointegration with dental implants has initially been published in 1969, nearly 55 years ago, and later been established as one of the standard procedures for the reconstruction of edentulous arches, partly edentulous areas and single tooth gaps. During this long time period a continuous evolution of treatment concepts has been taking place, all basing on the same basic techniques already developed in the 1960ies. New digital technologies allow for completely new workflows from single tooth to full arch reconstructions. Besides a significant reduction of treatment time these workflows can help to make the dream of minimal invasive surgery possible and, most important, improve the treatment outcome, both aesthetically and functionally.

## David Palombo

DDS, MSC, MDS, MCLINDENT(PERIO),  
PHD candidate Universidad Complutense de Madrid,  
EFP Board of Periodontology, Professor Master  
Periocentrum Academy (Madrid), Milano, Italy.



## **HARD TISSUES REGENERATION: FROM BASIC PRINCIPLES TO MODERN INNOVATIONS**

Alveolar bone defects deriving from the resorptive processes which follow tooth extraction, long-standing edentulism, periodontitis, or trauma, are a common finding in partially or totally edentulous patients requesting implant-supported prosthetic rehabilitations. When reconstructing complex horizontal and/or vertical atrophies, the best-documented techniques are based on the use of autologous bone, by virtue of its osteogenic, osteoinductive, and osteoconductive potential, and on the use of rigid devices to maintain the regenerative space, such as bone blocks and reinforced membranes. However, besides from increasing the surgical morbidity, these regenerative technologies have proven to be extremely technique sensitive and subject to variable complication rates (0 to 45%). The objective of this lecture is to describe the use of a new regenerative technology based on a viscoelastic gel composed of polynucleotides and hyaluronic acid, applied with a layered technique, in the reconstructive treatment of a maxillary bone atrophy for peri-implant purposes. The biologic rationale for its use, as much as the site specific application protocol and the first clinical and histologic results will be analysed through a series of clinical cases.

### **Serhat Aslan**

DDS, MSc, PhD, professor, periodontist. Visiting Professor in Department of Biomedical, Surgical & Dental Sciences, University of Milan. Visiting Professor in Department of Oral Health Sciences, Periodontology and Oral Microbiology, KU Leuven. Invited Professor in Post-graduate Program in Periodontology and Implantology, University of Porto. Dentistry, Residency & PhD in Periodontology, Ege University, Turkey. Dr. Aslan Private Office, Alsancak. Turkish Society of Periodontology, Treasurer.



## **THE FUTURE OF RECONSTRUCTIVE PERI-IMPLANT SURGERY: INFLUENCE OF BIOMATERIALS AND FLAP DESIGN**

In the era of esthetics, clinicians are seeking for optimal results by avoiding invasive treatments. Recent developments in regenerative techniques and adoption of microsurgery in periodontal and peri-implant tissue reconstruction minimize the tissue trauma/loss, and this led to an increase in the expectations of the patients.

However, the clinical excellence does not only depend on the clinical skills or practice settings. Treatment outcome is influenced by combination of many factors. For clinical success, treatment steps and protocols should be embraced by patient and clinician. In this lecture, the requirements for peri-implant tissue reconstruction and health will be discussed in greater details.

### **Irena Sailer**

Prof. Dr. med. dent., prosthodontist, Head Division of Fixed Prosthodontics and Biomaterials at the University of Geneva, Switzerland. Adjunct Associate Professor Department of Preventive and Restorative Sciences, Robert Schattner Center, School of Dental Medicine, University of Pennsylvania, Philadelphia, USA



*Irena Sailer received her dental education and Dr. med. dent. degree from the Faculty of Medicine, University of Tübingen, Germany in 1997/ 1998. In 2003 Dr. Sailer received an Assistant Professorship at the Clinic of Fixed and Removable Prosthodontics and Dental Material Sciences in Zurich. Since September 2013 she is the Head of the Division of Fixed Prosthodontics and Biomaterials at the University of Geneva. Irena Sailer is a Specialist for Prosthodontics (Swiss Society for Reconstructive Dentistry) and holds a specialization degree for Dental Implantology (WBA) of the Swiss Society for Dentistry. Since 2009 she is an Adjunct Associate Professor at University of Pennsylvania, USA, and since 2019 an Honorary Professor at the University of Aarhus, Denmark. She is the President of the EAED (European Academy of Esthetic Dentistry), a Member of the Executive Committee of the EAO (European Association for Osseointegration), and an Active Fellow of the GNYAP (Greater New York Academy of Prosthodontics). She is also a Member of the Board of Directors of the SSRD (Swiss Society of Reconstructive Dentistry) and of the Swiss Leadership Team of the ITI (International Team for Implantology). Since 2019 Irena Sailer is the Editor-in-Chief of the International Journal of Prosthodontics and a member of ICP.*

### **ADVANCES IN IMPLANT DENTISTRY FOR YOUR DAILY PRACTICE**

The recent digital technology offers numerous new and efficient options for planning and conducting implant and restorative treatments. Within digital dentistry cone beam CT scanning and optical impressioning are the first steps towards a digitalization of the patient's intraoral situation. The resulting digital files are then used for the virtual planning and guiding implant placement. The main goal is to initially define and later on follow a systematic and evidence based treatment plan,



in simple as well as more complex dental rehabilitations. In the restorative phase digital dentistry is used to virtually design reconstructions, which thereafter can be milled out of prefabricated blanks of different materials with aid of CAD/CAM systems. Evenmore, these CAD/CAM reconstructions can either be made in a centralized production facility or chair-side in the dental office. The digital systems available today offer numerous advantages, like e.g. the precision of the reconstructions. A high number of studies has demonstrated good accuracy of the current subtractive manufacturing, i.e. the computer-aided milling or the grinding of ingots. More recently, additive procedures have been introduced. Stereolithography, laser sintering or printing of materials like wax, resins or metals has shown to be even more precise than the subtractive manufacturing. Furthermore, the additive fabrication of reconstructions may even be more efficient due to the fact, that less time may be needed for the fabrication and no material excess is produced. Finally, the „digital workflow“ and the associated additive procedures, is not only interesting for the planning and fabrication of implant reconstructions but also for a better patient/dentist communication. As an example, 3D prosthetic diagnostic files of digital wax-ups or set-ups may be printed out of resin and used for try-in in the clinical situation. Learning objectives: - learn and understand the value of conventional and digital diagnostics - learn how to efficiency transfer the digital diagnostics into a final reconstruction. - learn how to make an optical impression for an implant with the Trios IOS and adhesively cement a monolithic crown to a Ti-Base - learn about the restorative options, their possibilities and limitations - learn to select restorative options for predictable white and pink esthetic.

### **MANAGEMENT OF WHITE AND PINK ESTHETICS - AN INTERDISCIPLINARY APPROACH**

The restoration of a tooth or the replacement of a missing tooth in the esthetic area is very delicate, specifically in patient cases with high lip line. At demanding patients high efforts have to be made to reduce the risk for not ideally shaped or colored restorations and/or for soft tissue discolorations in order to avoid esthetic failure. From a restorative point of view the type of reconstruction and the material it is made out of have a significant influence on the result. The current restorative material options offer many esthetic features to best copy the optical properties of teeth. The color, chroma and lightness of the esthetic materials (e.g. ceramics) are hereby important parameters. Furthermore, the translucency is a important both for the mimicking of teeth as also for the masking of discolorations. A structured

approach for the evaluation and the establishment of the white esthetics helps reducing the risk for unpleasant surprises with the result. Discolored non-vital abutment teeth are a specific challenge with this respect since they may not only be difficult to be masked, but they also may be associated with soft tissue discoloration. Recent studies have evaluated the threshold for the visibility of dental and of mucosal/gingival discoloration. These studies have shown that the human eye detects soft tissue discoloration at similar threshold values as it would detect tooth discoloration. Hence, the pink esthetics is at least as important as the white esthetics. Besides the non-vital teeth implant reconstructions may be challenging with this respect. It has been shown that greyish metallic abutments and metal-ceramic reconstructions lead to dark discoloration of the soft tissue. In conclusion, the selection of the material and the restorative components is of great importance for all types of restorations. Clinicians and technicians need to be aware of the possibilities and also of the limitations of the current restorative options. **Aims:** Understand the potential of modern reconstructive dentistry with its potential to eliminate complications and achieve a predictable esthetic outcome. **Learning objectives:**

- understand the criteria that influence the esthetics of teeth and of soft tissues
- learn about the visibility of discolorations
- learn about the restorative options, their possibilities and limitations
- learn to select restorative options for predictable white and pink esthetic.

### **Miha Pirc**

DMD, specialist in periodontology,  
Clinic of Reconstructive Dentistry, Center of  
Dental Medicine, University of Zurich, Switzerland.



*WORK EXPERIENCE: 09/2020 – present Clinic of Reconstructive Dentistry, Center of Dental Medicine, University of Zurich, Switzerland. Reconstructive Dentistry resident, Master of Implantology; 10/2023 – present EAO, Junior Committee; 09/2022 – present The International Journal of Prosthodontics, Section Editor – Clinical concepts; 09/2019 – 12/2020 Clinic of Reconstructive Dentistry, Center of Dental Medicine, University of Zurich, Switzerland. Osteology Foundation Scholar; 04/2019 – 04/2022 Department of periodontology, University Medical Center Ljubljana, Specialization of Periodontology; 09/2016 – 09/2020 dental studio skorjanc, Ljubljana, Slovenia, Private office – DMD; 05/2015 – 06/2016 (Ljubljana, Slovenia) Vocational training, DMD. EDUCATION: 10/2008 – 03/2015 (Ljubljana, Slovenia) University of Ljubljana, Medical*

*Faculty Dental school; 09/2013 – 02/2014 (München, Germany) Ludwig-Maximilians-Universität München (LMU) Student Exchange Program; 07/2016 Tufts University School of Dental Medicine International Exchange Program – exchange program. ACTIVE MEMBERSHIPS: 2017 – present ITI; 2017 – present ITI Study Club Ljubljana; 2018 – present EAO; European Prize for Clinical Research – Peri-implant Biology (2020, 2022)*

## **SECRETS OF PERI-IMPLANT TISSUE STABILITY: UNVEILING THE KEY FACTORS**

The treatment of partially or fully edentulous patients with dental implants is a widely utilized approach for supporting fixed and removable prostheses. Based on the plethora of systematic reviews and clinical studies, high survival rates can be expected. However, long-term outcomes in the available literature are mainly focused on the survival rates and quantity and quality of the peri-implant bone. Due to the lack of clinically relevant parameters, survival rates are not sufficient from a clinician's perspective. Therefore, the definition of 'implant success' has evolved over the years. Success criteria were defined, adding technical, biological and esthetic outcomes to the survival rates. Among success parameters, stability of peri-implant hard and soft tissues appears to be relevant, from the esthetic point of view and also from a biological point of view. A recent systematic review suggests that thick peri-implant soft-tissues are associated with a more favorable aesthetic outcome compared to thin peri-implant soft tissues. Emerging evidence suggests that soft tissue thickness plays an important role for the maintenance of peri-implant tissue health. Moreover, thin soft-tissue phenotype is associated with increased prevalence of peri-implant mucositis and peri-implantitis, when compared with thick tissue phenotype. In addition to anatomical and prosthodontic factors, peri-implant maintenance therapy plays a vital role in preserving peri-implant health. Supportive periodontal therapy, which has been proven essential in preventing the occurrence or recurrence of periodontal disease, has guided the development of maintenance protocols for dental implants. These protocols are tailored based on the patient's risk profile. Currently, it is widely accepted that peri-implant maintenance therapy should be conducted every 5-6 months for individuals without significant risk factors for disease development. Various protocols have been proposed to establish an inflammation-free environment and achieve harmony between the stability of hard and soft tissues. These protocols have been proven successful in maintaining periimplant health. The aim of the lecture is, therefore, to provide an overview on the stability of peri-implant soft tissues and potential influencing factors.

## Andreas Barbetseas

DMD, Postgraduate Degree in Implant Dentistry, New York University, Founder of the ImmediaTeam International Association; Private dental practice Barbetseas Dental Clinic, Attica, Greece



*Dr. Andreas Barbetseas graduated from the Dental School of the University of Athens in Greece in 2005. He received specialty training in Surgical and Prosthetic Implantology in the Department of Periodontology and Implant Dentistry of New York University, USA (Chair: Professor Dr. Dennis Tarnow) between 2008 and 2010. In 2010, he was awarded by NYU for his research work on the peri-implant soft tissue management. During his graduate studies he pursued extensive academic and clinical training on the full range of Periodontal and Peri-implant Microsurgery, and one of the doctor's main clinical interests lies in the application of minimally invasive microsurgical techniques for the maximization of Aesthetics in periodontal and implant care. During the past decade, Dr. Barbetseas has been focused on using cutting-edge Digital Technology for the optimum application of Computer Guided Implantology, as well as developing innovative digital protocols, which increase the speed and predictability of Implant Therapy. Since 2020, he is the Director of the Guided Implantology Services of Bego Implant Systems in Greece. The doctor has been the winner of multiple clinical awards, including the 1st Bego International Clinical Case Award in 2013, and a Diplomat of the International Congress of Oral Implantologists (ICOI) since 2010. Dr. Barbetseas is an international speaker on Advanced Oral Implantology and Oral Microsurgery, having trained numerous dentists from around the world with innovative lectures and courses in more than 30 different countries. Dr. Barbetseas maintains a private practice in Athens, Greece which is limited to Implant Surgical Reconstruction and Soft Tissue Regeneration.*

### **DIGITAL PLANNING AND GUIDED IMPLANTS IN THE AESTHETIC ZONE**

Modern clinicians are continuously challenged, on the one hand by the increased demands of their patients for an optimal aesthetic result and on the other hand by the vast evolution of new techniques, protocols and technologies. Especially in aesthetic implant cases, while there are definitely multiple valid alternatives in terms of managing the soft and hard tissues, most clinicians would be ready to agree that the most critical parameter is always the precise position of the implant itself. This comprehensive lecture offers a structured combination of treatment strategies for the implant management of the aesthetic zone, while demonstrating a successful integration of all the digital tools that we have available in the planning and clinical phases of implant treatment. We really have a choice to make our everyday clinical reality predictable, successful and fun!



## Emiliano Ferrari

DMD, Tutor for the program IANYUP at New York University, Consultant for Rhein83, Studio dentistico Bologna, Italy



*He was born, studied, lives and works in Bologna. He received his dental maturity at the institute L. Dehon of Bologna in 1991 by a vote of 60/60. He graduated in dentistry and dental implants at the University of Bologna in 1996 by a vote of 110/110 cum laude. He attended the annual courses and advanced courses in Italy and abroad with Dr. A. Fonzar, T. Testori, A. Scipios, R. Barone and C. Clauser, U. Covani, P. Malo, S. Wallace, D. Turnow. In the period 2010/12 he attended a master class at New York University (New York, NY), and in June 2012 he received the "American postgraduate certificate in implantology and oral rehabilitation". He is currently a tutor for the program IANYUP at New York University. He works in Bologna and province, mainly focusing on surgery and prosthetics. Since 2015 Consultant for Rhein83. 2017 Speaker in University of Genova with lessons about removable prosthesis 2018 Co-Author of Multicenter Retrospective Analysis of Implant Overdentures. 2019 Speaker in University of Brescia with lessons about fixed prosthesis. 2019 Speaker in the Congress "Rhein83Days"*

## **PREDICTABLE AESTHETIC OUTCOMES IN EDENTULISM. WHEN TO OPT FOR REMOVABLE AND WHEN FOR FIXED PROSTHETIC SOLUTIONS**

Edentulism, a chronic and irreversible condition, has profound aesthetic, functional, and psychological implications. The choice of therapy and the design of prosthetics, be it fixed or removable, necessitate careful consideration of aesthetic factors such as perioral tissue support, the nose-labial angle, and incisor positioning. Optimal facial aesthetics are often achieved through the gold standard therapy of an implant-supported overdenture, which not only supports perioral tissues but also restores facial harmony, enhances phonetics, and provides a sense of stability similar to a fixed prosthesis. In cases where tissues are well-preserved, a fixed prosthesis becomes a preferred choice due to its high psychological acceptance by patients. The presentation will delve into the parameters essential for making the right choice between fixed and removable rehabilitation, introducing an innovative protocol for passivating structures in full-arch rehabilitations. The lectureconference will focus on two main areas: Removable Prosthetics, covering implant-retained overdentures, natural teeth, and bar overdenture restorations; and Fixed Prosthetic, exploring the, design considerations, project realization, and exit strategies. Var-

ious clinical cases and techniques will be discussed, addressing challenges such as implant divergence resolution and the standardization of protocols for multi-implant system patients. The goal is to provide the comprehensive insights and practical knowledge for optimizing prosthetic outcomes in diverse clinical scenarios.

## Nedjelja / Sunday 21.4.2024.

**08:00-10:00** REGISTRACIJA SUDIONIKA / REGISTRATION

**09:15-14:00** **USMENA PRIOPĆENJA / ORAL PRESENTATIONS**

**Moderatori: Mato Sušić, Ivica Pelivan**

**09:15-09:27** Filipović Zore I, Brajdić D, Granić M, Kreč Potočki M, Bašić K. (Zagreb):  
Uporaba antibiotika u dentalnoj implantologiji. Ima li razloga za promjenom paradigme?

**09:28-09:40** Bašić K, Šutej I, Brajdić D, Filipović Zore I. (Zagreb):  
Antibiotska profilaksa u implatologiji – povratak osnovama

**09:41-09:53** Sapundžiev D, Verdenik M. (Ljubljana, SLO):  
Role of antibiotics in prevention of early complications in implants simultaneously placed with guided bone regeneration

**09:54-10:14** SPONZORIRANO PREDAVANJE -  Katanec T. (Zagreb):  
Konvencionalni vs. kratki implantati, razvoj površine, indikacije primjene i tehnike biološke preparacije ležišta implantata

**10:15-10:27** Bizevski D, Bajramov E, Popovski V, Delov Z, Vlashki Z. (Skopje MAK):  
Analiza korelacije položaja implantata tijekom imedijatne ugradnje i postizanja primarne stabilnosti i oseointegracije

**10:28-10:40** Dulčić N, Pelivan I, Siard K. (Zagreb):  
Digitalni obrazni luk u implantoprotetskoj terapiji

**10:41-10:53** Pavlović R, Vuletić M, Smojver I, Stojić L, Marković L, Gabrić D. (Zagreb):  
Digitalno navidena implanto-protetska rehabilitacija u estetskoj zoni

**10:54-11:09** RASPRAVA / DISCUSSION

**11:10-11:50** Stanka za kavu i zakuska / Coffee and snack break 

**Moderatori: Irina Filipović Zore, Darije Plančak**

- 11:50-12:02** Bjelica R, Marković L, Prpić V, Gabrić D. (Zagreb):  
Implantoprotetska rehabilitacija djelomično bezube čeljusti:  
od koštane augmentacije do ugradnje implantata i rekonstrukcije  
mekih tkiva – prikaz slučaja
- 12:03-12:15** Blašković M, Blašković D, Šlosar T, Gabrić D, Kovač Z,  
Ćabov T, Zulijani A. (Rijeka):  
Regeneracija alveolarnog grebena s novom resorptivnom  
membranom unaprijedenih mehaničkih svojstava
- 12:16-12:28** Marković L, Gabrić D, Bjelica R, Pelivan I. (Zagreb):  
Vertikalna augmentacija posteriorne mandibule s PTFE  
membranom
- 12:29-12:41** Čandrić M, Tomas M, Matijević M, Čandrilić S, Ivanišević Z,  
Udiljak Ž, Vidaković B, Perić Kačarević Ž. (Osijek):  
Osteogeni potencijal injekcijskog aloplasta i ksenografta u  
prezervaciji alveole: humana histološka studija
- 12:42-12:54** Vesnaver A. (Ljubljana, SLO):  
Subperiosteal implants in the severely atrophic maxilla –  
Indications and procedures
- 12:55-13:07** Lipovec T, Simončič B, Vulićević ZR, Gašpirc B,  
Mlinar A. (Ljubljana, SLO):  
Gubitak marginalne peri-implantatne kosti 10 godina poslije  
postavljanja implantata – klinički izvještaj
- 13:08-13:20** Bubalo V, Perić B. (Zagreb):  
Wear and tear 20 years
- 13:21-13:33** Lipovec T, Simončič B, Vulićević ZR, Seme K. (Ljubljana, SLO):  
Reakcija periimplantatnog tkiva na bakterijski plak

- 13:34-13:46** Filipovski V. (Skopje, MAK):  
Long-term study of dental implants osseointegration –  
placed in patients with type 2 Diabetes Mellitus
- 13:47-13:59** Jordan A, Smojver I, Budimir A, Gabrić D, Vuletić M. (Zagreb):  
Usporedba različitih postupaka dekontaminacije dentalnih  
implantata: in vitro studija
- 14:00-14:15** RASPRAVA / DISCUSSION
- 14:15-14:45** SKUPŠTINA DRUŠTVA / GENERAL ASSEMBLY



## **OPĆE INFORMACIJE / GENERAL INFORMATION**

### **Mjesto održavanja / Venue**

Park Plaza Histria Pula  
Verudela 17, 52100, Pula

### **Službeni jezici kongresa / Official languages**

Engleski / English Hrvatski / Croatian

### **Izložba / Exhibition**

Za vrijeme trajanja kongresa bit će postavljena izložba stomatološke opreme, lijekova i drugih artikala. Molimo tvrtke zainteresirane za ovakav način promidžbe svojih proizvoda da kontaktiraju službeni PCO Contres Projekti d.o.o., gdu. Josipa Čale, josipa@contres.hr

The exhibition of dental equipment, medicines and other items will be held at the Venue. Companies interested in this kind of promotion should contact the official PCO. Contres Projekti d.o.o., mrs. Josipa Čale, josipa@contres.hr

### **Registracija / Registration**

Isključivo putem on-line obrasca na službenim stranicama kongresa <https://contres.hr/hddi2024/> Prijava se smatra potpunom kad zaprimimo ispunjeni obrazac i evidentiramo uplatu prema odabranim stavkama. Nakon primljene uplate na vaš e-mail poslat ćemo potvrdu o uplati.

Register online on the official congress website <https://contres.hr/hddi2024/> The application is considered complete when we receive the completed form and payment according to the selected items. After we receive your payment, the registration process is finished, and you will receive an invoice to your e mail address or by postal mail.

## Kotizacija / Registration Fee

	Kotizacija od 11.3.2024. do 2.4.2024.	Kotizacija od 3.4.2024. i na licu mjesta
Članovi društva	350 €	420 €
Ostali	400 €	460 €
Specijalizanti	150 €	210 €
Sponzori / Izlagači / Umirovljenici / Osobe u pratnji / Dodiplomski studenti	100 €	160 €
Pretkongresna radionica	225 €	270 €
Rezervacija zajedničke večere	16 €	16 €

\*\*Broj polaznika radionica ograničen je na prvih 20 osoba prema redoslijedu uplate. Za polaznike radionica uključena je večera u hotelu Histria.

\*\* Please note that number of training courses participants is limited to 20 persons according to first come first served payment rule. Dinner at the Hotel Histria is included for the participants of the workshops.

### Kotizacija uključuje / Registration Fee includes

**Kotizacija za sudionike:** Pristup svim predavanjima, kongresne materijale, kratko razgledavanje stare gradske jezgre Pule, piće i večeru dobrodošlice, stanke uz kavu, dva ručka (petak i subota), izlet u petak 19.4.2024., bodove Hrvatske komore dentalne medicine i Hrvatske liječničke komore. Navedene cijene uključuju PDV.

**Registration fee for the participants:** Access to all lectures, Conference Materials, short tourist tour of the old town Pula, Welcome Drink-dinner, Coffee Breaks, Lunch (Friday and Saturday), excursion on Friday, Croatian Chamber of Dental Medicine, Croatian Medical Chamber Credits and VAT.

**MOLIMO SVE SUDIONIKE DA TIJEKOM CIJELOG TRAJANJA KONGRESA NOSE AKREDITACIJE. / WE KINDLY ASK THAT ALL PARTICIPANTS WEAR THEIR BADGES THROUGHOUT THE CONGRESS.**



### **Otkaz sudjelovanja / Cancellation Policy**

Povrat uplaćene kotizacije do 10. 3. 2022. umanjen za PDV i 30% troškova, moguće je samo na temelju pismenog dogovora s organizatorom kongresa. Nakon 10. 3. 2024. nije moguć povrat kotizacije.

Cancellation will be accepted in writing until March 10, 2024 – full refund of the Registration Fee minus 30% cost and administrative charges. Cancellation received after March 10 – no refund.

### **Vrednovanje i potvrda o sudjelovanju**

HKDM dodjeljuje 12 bodova za sudjelovanje. HLK dodjeljuje 20 bodova za aktivno sudjelovanje i 12 bodova za pasivno sudjelovanje.







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