



Periodontics & restorative dentistry

4-5 October

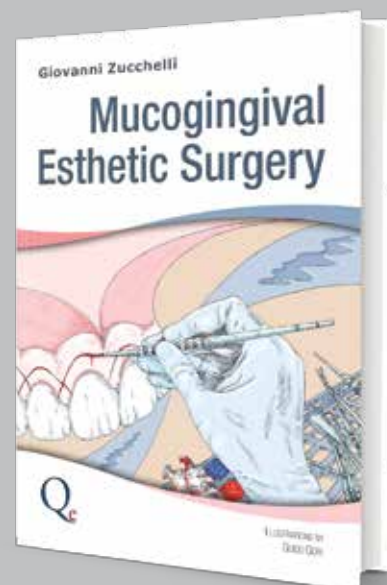
Moscow, Swissôtel Krasnye Holmy

2014

QUINTESSENCE SYMPOSIUM

The selection of biomaterials and surgical techniques
in periodontal and implant plastic surgery

Francesco CAIRO
Mauro LABANCA
Mauro MERLI
Giulio RASPERINI
Mariano SANZ
Anton SCULEAN
Giovanni ZUCHELLI
Otto ZUHR



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October 4

- 08:00 – 08:30 Registration
- 08:30 – 08:45 Welcome. Alexander Ostrovskiy, Head of the PH “Ouintessence” in Russia, The Honorary professor of the Moscow Medical Academy
- 08:45 – 09:00 Introduction. Professor Giulio Rasperini.
- 09:00 – 10:30 Francesco Cairo
Efficacy of periodontal plastic procedures in the treatment of localized gingival recessions
- 10:30 – 11:00 Break
- 11:00 – 12:30 Mariano Sanz
Use of soft tissue substitutes in periodontal plastic surgery
- 12:30 – 13:30 Lunch
- 13:30 – 15:00 Anton Sculean
Soft Tissue Regeneration in the Oral Cavity: Scaffolds, Cells and Biologicals
- 15:00 – 15:30 Break
- 15:30 – 17:00 Mauro Labanca
GBR: Good Biomaterial Requirement
- 17:00 – 17:30 Discussion and conclusion

October 5

- 09:00 – 10:30 Mauro Merli
Soft Tissue Management and Perimplant Plastic Surgery
- 10:30 – 11:00 Break
- 11:00 – 12:30 Otto Zuhr
Plastic Surgery without papilla incision
- 12:30 – 13:30 Lunch
- 13:30 – 15:00 Giovanni Zucchelli
Efficacy of Periodontal Plastic Procedures in the Treatment of Multiple Gingival Recessions
- 15:00 – 15:30 Break
- 15:30 – 16:30 Giulio Rasperini
Translational research: from the Lab to the clinical application
- 16:30 – 17:00 Discussion and conclusion

Efficacy of periodontal plastic procedures in the treatment of localized gingival recessions

In the last decade treatment goal in mucogingival surgery was radically changed. The final target of the treatment has become the complete coverage of the recession along with pleasant soft tissue integration with adjacent tissue. Furthermore several clinical trials have shown the efficacy of different surgical procedures to obtain root coverage and new prognostic factor seem to predict the clinical outcomes. The present lecture will highlight the current evidence in root coverage procedures, the decision making process in selecting the proper procedures and the surgical strategies leading to aesthetic outcomes for the treatment of localized gingival recessions.



Adjunct Professor in Periodontology, Tuscan School of Dental Medicine, Florence-Siena (Italy). Active member and coordinator of the scientific committee of the Italian Society of Periodontology (SIdP). He is the primary author or co-author of several papers mostly focused on periodontal plastic surgery and long-term outcomes of periodontal therapy. Winner of several awards for clinical research, including the H. Goldman by SIdP (4 times), the Jaccard prize by the European Federation of Periodontology (2009) and the Early Robinson award by American Society of Periodontology (2013). Private practice limited to Periodontology and Implant Dentistry in Florence, Italy. Member of the editorial board of the Journal of Clinical Periodontology and referee for several periodontal and implant journals.

Francesco Cairo

Use of soft tissue substitutes in periodontal plastic surgery

It is well established that the use of soft tissue auto grafts (i.e. connective tissue graft from the palate mucosa) are the gold standard in soft tissue augmentation and root coverage procedures used in dentistry. These techniques have shown a high degree of predictability, although they require high surgical skills and impose an extra morbidity to the patient due to the donor surgery and the additional wound healing. In order to avoid the use of auto grafts, both allografts and xenogeneic have been used with different degree of success and predictability. In this presentation the use of these soft tissue substitutes will be reviewed, mostly the use of porcine-derived collagen matrixes. Different clinical cases will be presented illustrating the main indications and expected outcomes on the use of these biomaterials for soft tissue regeneration.



Mariano Sanz

*MD – Degree- Universidad Complutense of Madrid
Specialist in Stomatology. Universidad Complutense de Madrid
Specialist in Periodontology. University of California, Los Angeles (UCLA)
Doctor en Medicina (PhD degree). Universidad Complutense de Madrid
Honorary Doctorate for the University San Sebastian (Santiago de Chile)
Professor and Chairman of Periodontology. Universidad Complutense de Madrid
Director of the Graduate Programme “Master in Periodontology”. Universidad Complutense de Madrid
Past-Secretary General of the European Federation of Periodontology (EFP)
Past-President of the Spanish Society of Periodontology (SEPA)
Past-President of the Pan European Region of the International Association for Dental Research (IADR-PER)
Associate Editor of the Journal of Clinical Periodontology and Evidence-Based Dental Practice and Member of the Editorial Committee of: Journal of Periodontal Research, Journal of Periodontology, Clinical Oral Implant Research, Clinical Oral Investigations, European Journal of Dental Education and European Journal of Implantology
Has published scientific more than 250 articles and book chapters in Periodontology, Implant Dentistry and Dental Education.
Has given multiple courses and seminars in Periodontology, Implant Dentistry and Dental Education.*

Soft Tissue Regeneration in the Oral Cavity: Scaffolds, Cells and Biologicals

The success of reconstructive periodontal and peri-implant surgical procedures is highly dependent on the proper management of soft tissues. Therefore, the use of new materials or treatment modalities aiming to regenerate the soft tissues in the oral cavity should be based on sound biological principles. The aim of this presentation is to provide an overview on the biology of soft tissue healing in the oral cavity and to present recent data on the use of biologic agents, connective tissue grafts and collagen scaffolds aiming to regenerate soft tissues at teeth and dental implants.

The available evidence indicates that the tissue specificities of the gingival, alveolar and palatal mucosa appear to be innately and not necessarily functionally determined while the granulation tissue originating from the periodontal ligament or from connective tissue originally covered by keratinized epithelium has the potential to induce keratinization. On the other hand, it also appears that deep palatal connective tissue may not have the same potential to induce keratinization as the palatal connective tissue originating from an immediately subepithelial area while the structural integrity of a maturing wound between a denuded root surface and a soft tissue flap is achieved at approximately 14-days post-surgery. Recently, the use of biological active molecules such as enamel matrix proteins in conjunction with surgical techniques designed to protect the blood clot on the denuded root surfaces such as the modified coronally advanced tunnel (MCAT) with or without connective tissue grafts has been shown to represent a suitable alternative to treat single and multiple gingival recessions, improve tissue thickness and avoid scar tissue formation. Moreover, it appears that the MCAT may, in certain cases, also be applied for treating soft tissue dehiscences at dental implants. Recently, some collagen based soft tissue replacement grafts have provided evidence for increasing tissue thickness and gain of keratinized tissue.



Anton Sculean

Anton Sculean is professor and chairman of the Department of Periodontology at the University of Berne in Switzerland. He 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 has been the author of more than 160 publications in peer reviewed journals. 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, Clinical Oral Investigations and Clinical Advances in Periodontics. He is Associate Editor of Quintessence International and Section Editor of BMC Oral Health. 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 treatments 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".

GBR: Good Biomaterial Requirement

We have been talking about Guided Bone Regeneration (GBR) since 1989: striving to find the best surgical techniques, filling materials and fixation systems. After having made great progress, we are now aiming at how to make the procedure more simple and predictable.

This presentation will analyze both the biological meaning of GBR and end-of-procedure expectations. Guided more by science than by the suggestions of companies, we will also examine the criteria for improved biomaterial selection, from “pain control” to the selection of applied materials.

Finally, we will propose biological guidelines and offer some suggestions for the right surgical protocol, from “pain control” to the selection of applied materials.



Mauro Labanca

In 1986 Mauro Labanca earned his Medical Doctor degree from the University of Milan, where he also qualified in Dentistry and General Surgery. He has practiced Oral Surgery and Implantology since 1992 in his private dental office located in Milan city center, Italy. He is an International Speaker and Key Opinion Leader for many leading Dental Companies.

Prof. Labanca is the Elected Regent of the ICD (International College of Dentists) for the Italian Section.

He is co-author of the Atlas Anatomy and Surgery in Dentistry (Elsevier-Masson) recently reprinted and updated, the book Clinical Neurochemical and Experimental Aspects of Orofacial Pain in Dentistry and the DVD The Dental Anatomy and Surgery in a Daily Practice. He is the author of the DVD Sutures in Dentistry: Materials and Knotting Techniques (second edition) and of the book Oral Surgery anatomically oriented (Quintessenza Italian Edition), as well as several scientific articles published in Impacted Reviews.

2001 to 2005 Creator and Director of the very first Italian course “Anatomical surgery with Cadaver lab”.

From 2006 up to date Director of the course of “Anatomical surgery with Cadaver lab” at the Institute of Anatomy at the University of Wien, Austria.

2006 Creator and Director of the first Master of Marketing and Communications in Medicine and Private Dentistry at IULM University (Libera Università di Lingue Comunicazione) in Milan, Italy.

From 2007 up to date International Consultant in Dentistry for MEDACorp, Leerink Swann LLC Boston, MA, USA.

From 2007 up to date Consultant Professor of Oral Surgery in the department of Dentistry at “Vita e Salute University” - S. Raffaele Hospital – Milan, Italy.

From 2008 up to date Consultant Professor of Anatomy in the Department of Medicine at the University of Brescia, Italy.

2009 Co-Founder and vice President of the Italian Society for the study of Oro-Facial Pain (SISDO).

2011 Founder and President of the “Labanca Open Academy” (LOA) devoted to the improvement of all aspects of Dentistry. Created to have an open network among all participants of his courses.

From 2012 Visiting professor at the Periodontology Department of the “Universitat Internacional de Catalunya”, Barcellona, Spain.

Soft Tissue Management and Perimplant Plastic Surgery

The aim of this lecture is to focus on the many complex aspects regarding soft tissue handling in dental implant surgery. In dental implant treatment. The terms peri-implant soft tissue management and peri-implant plastic surgery are both used to refer to soft tissue surgery procedures and techniques. The presentation deals with the management of peri-implant soft tissue in terms of techniques applied prior to or during abutment connection, while peri-implant plastic surgery aims to correct and harmonize peri-implant supracrestal structures after abutment connection using soft tissue surgical techniques refined for periodontal applications, with the intention of providing not only esthetic but also a biological benefit.

A critical analysis of the most recent scientific literature regarding the various surgical procedures available will be presented along with the results of clinical research compiled by a team of multidisciplinary professionals with the aim of guiding the clinician to make the most rational choice for the specific case. The concepts discussed will be supported by anatomic illustrations as well as static and dynamic clinical images.



Mauro Merli

Dr. Mauro Merli earned his degree cum laude in Medicine and Surgery at the University of Bologna in 1986, and in 1989 specialized cum laude in Odontostomatology.

He is an active member of the Italian Society of Periodontology (S.I.d.P), The Italian Academy of Prosthetic Dentistry (A.I.O.P) and of the European Association for Cranio-Maxillofacial Surgery (EACMFS).

Dr. Merli held the position of Secretary of the Italian Society of Periodontology from 1995-1997, treasurer for the 1997-2001 four year term, vice-president from 2001-2003 and President for the 2008-2009 two year term.

Author of Volume I and II of the multimedial book 'Implant Therapy: The Integrated Treatment Plan' and several scientific articles, Dr. Merli lectures in National and International conferences and courses. Together with his brother Aldo and sister Monica, Dr. Merli runs a private practice founded by his father Mario, dedicating his clinical activity to treating complex cases from an interdisciplinary perspective.

Dr. Merli is a Visiting Professor at the Università Politecnica della Marche, President of the Clinica Merli and Scientific Director of Indent – International Dental Research and Education.

Plastic Surgery without Papilla Incision

There is growing scientific evidence that the application of microsurgical principles can improve treatment outcomes in plastic periodontal and implant surgery. Recently several technical developments and innovations resulted in a renaissance of tunnelling procedures. Beside new instruments and revised suturing techniques a broader indication spectrum seems to be responsible for this trend. While incisionfree techniques were originally described for the coverage of gingival recessions exclusively they can be used today very successful for gingival thickening, uncoverage of dental implants and soft tissue ridge augmentation procedures as well. The omission of vertical releasing incisions enables uneventful healing progresses and scarfree treatment results on a predictable base. Therefore tunnelling techniques raise to be a true alternative especially in the esthetic zone. By showing different clinical examples the presentation will focus on different application options of tunnelling procedures in daily clinical practice and give a forecast on possible future trends.



Otto Zuhr

Dr. Otto Zuhr studied dentistry at the University of Aachen from 1986 to 1992. In 1992 he received his DMD from the Department of Oral and Maxillofacial Surgery in Aachen. Several educational programs led him to Switzerland, Scandinavia and USA during the following years. From 1999 to 2008 he worked together with Drs. Bolz, Wachtel, and Hürzeler in the Institute of Periodontology and Implantology (IPI) in Munich. In 2001 he received his Specialist in Periodontology of the German Society of Periodontology (DGP). Since 2008 he is in professional partnership with Marc Hürzeler. Presently he's holding an assistant professorship position in the department of periodontology at the University of Frankfurt (Director: Prof. Peter Eickholz).

Otto Zuhr has written several articles in the field of periodontology and is lecturing nationally and internationally. Since 2007 he is board member of the German Society of Periodontology (DGP). His book "Plastic-Esthetic Periodontal and Implant Surgery" was published by Quintessence in 2012.



Plastic-Esthetic periodontal and implant surgery

Section A Principles
Basic Principles of Periodontal Anatomy and Structural Biology
Microsurgery: A New Dimension
Primary Healing: The Key to Success
Incisions, Flap Designs, and Suturing Techniques
Gingival Esthetics: Criteria, Guidelines, and Diagnostic Strategies
Patient Management
Section B Procedures
Autograft Harvesting
Gingival Augmentation
Treatment of Gingival Recession
Esthetic Crown Lengthening
Papilla Reconstruction
Management of Extraction Sockets

Replacement of Missing Teeth
Section C Complications
Intraoperative Bleeding
Flap Perforation
Postoperative Bleeding
Postoperative Infection
Flap and Connective Tissue Graft Necrosis
Failures with Autogenous Bone Blocks and Cortical Bone Plates
Implant Loss
Scars, Tattoos, and Excess Soft Tissue
Biologic Width Violation

Efficacy of Periodontal Plastic Procedures in the Treatment of Multiple Gingival Recessions

New knowledge in soft tissue surgical management permits to achieve esthetic coverage in gingival recession with minimally invasive connective tissue grafts. 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. Moreover, bad implant installation frequently results in excessive apical dislocation of the buccal soft tissue margin of the implant supported crown. Soft tissue plastic surgical procedures and bilaminar techniques in particular, can be successfully used in combination with a pre and postsurgical prosthetic approaches to increase the volume of the interdental soft tissue, to treat buccal gingival recessions and soft tissue dehiscence around dental implants and to provide the new implant supported crown with an esthetic transmucosal emergency profile.



Giovanni Zucchelli

Doctor in Dentistry

Professor of Periodontology Bologna University.

PHD in Medical Biotechnology applied to Dentistry.

Active member of Italian Society of Periodontology and European Federation of Periodontology.

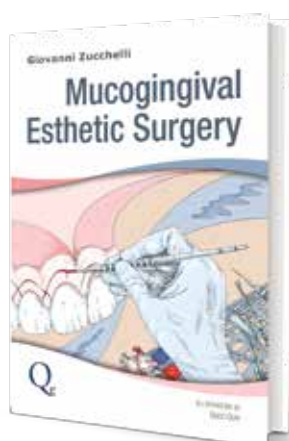
Member of the Editorial Board of the European Journal of Aesthetic Dentistry and International Journal of Periodontics and Restorative Dentistry.

Winner of scientific prizes for the research in periodontology in Italy, USA and Europe.

Authors of more than 100 scientific publications in the fields of Periodontology.

Co-author of an atlas text book on soft tissue plastic surgery (Ed. Martina) and of the chapter "Mucogingival therapy – periodontal plastic surgery" in the Jan Lindhe text-book "Clinical Periodontology and Implant Dentistry, 5th edition - (Ed. Wiley-Blackwell).

Author of a book on esthetic mucogingival surgery (Ed. Quintessence).



Mucogingival Esthetic Surgery

Etiology
Pathogenesis
Prognosis
Predetermining Root Coverage
Indications for Treatment
Root Coverage Surgical Techniques
Preoperative Therapy
Root Surface Treatment
Amelogenins • Gingival Clefts
Associated Caries and Noncarious Cervical Lesions
Coronally Advanced Flap with Releasing Incisions
The Laterally Moved, Coronally Advanced Flap

Free Gingival Grafts
Two-Step Techniques
Harvesting Connective Tissue Grafts
Bilaminar Techniques
Coronally Advanced Envelope Flap
Multiple Bilaminar Envelope
Combined Technique
Restorative-Periodontal Treatment
Complex Clinical Cases
Altered Passive Eruption
Postsurgical Recommendations
Surgical Instrumentation

Translational research: from the Lab to the clinical application

The translational research is the passage from the research conducted into the laboratory to the clinical application. A new technology based on fabricate 3-D scaffold prototype using selective laser sintering (SLS) have the potential to induce bone-ligament complex regeneration. The first approach utilized computer-aided design (CAD) to of the in vivo defect site. A clinically relevant example of a SLS-printed PCL scaffold used to treat a human periodontal osseous defect will be presented.



Giulio Rasperini

Graduated in dentistry. Specialized in Orthodontics. Active Member of the Italian Society of Periodontology, of the European Academy of Esthetic Dentistry. Member of the Editorial Board of the Int J Perio Res Dent; J of Impl and Advan Clin Dent; Dentista Moderno; ad hoc reviewer: J Dent Res, J Periodontol, J Clin Periodontol, Clin Oral Impl Res, Int Dent J, Quintessence International, Eur J Oral Impl.

Author of several publications focused on Periodontology and Implantology. Scopus Citation Index Jan 2014: 870, H Factor: 16.

Winner of few Awards for research focused on Periodontology and Implantology, among them: International Quintessence Publishing Award (Boston 2000 - 2004), Goldman (SIdP 1996 -2010), Clinical Research Award EAO (Glasgow 2010) e Earl Robinson Periodontal Regeneration Award (AAP Los Angeles 2012). Align Research Award (California 2013).

Ramford visiting assistant Professor University of Michigan, MI, USA. Professor of Periodontology, Dep. of Biomedical, Surgical and Dental Sciences, University of Milan, Milan, Italy. Foundation IRCCS Ca' Granda Policlinic. Private Practice limited to Periodontics and Implant Therapy.

Practical courses:



3rd of October

«Sutures»

Giulio Rasperini

One-day practical course

Number of participants: 20

Course fee: 25 000 rubles

The course would be held at the Quintessence office in Moscow at the Usachova Str., 62, office 1



3rd of October

«Innovative concepts for predictable treatment of soft tissue recessions at teeth and dental implants»

Anton Sculean

One-day practical course

Number of participants: 20

Course fee: 25 000 rubbles

Venue: will additionally inform



6th-7th of October

«Reconstructive periodontal plastic surgery in the aesthetic zone»

Giovanni Zucchelli

Two-day practical course

First day – theory - 18 000 rubles

Two days – 56 000 rubles

On the first day the course would be held at the Swissotel Krasnye Holmy: Moscow, Kosmodamianskaya Nab., 52; Building 6.

And the practical part would take place at the Quintessence office in Moscow: Usacheva Str., 62, office 1

General information



Registration:

All participants of the PRD Symposium in Moscow must register and obtain a badge before attending symposium events. Participants are responsible for safekeeping of the badge.

Registration hours:

October 4th Symposium 07:30-18:00

October 5th Symposium 08:30-17:00

Please wear your badge at all times. Admission to scientific sessions and exhibits is by badge only.

Expo:

Technical exhibits are open during the hours listed below and are all located in the different halls of the Conference Centre. Please look for signatures outside the Conference hall or contact anyone from our staff. All participants are invited to visit the exhibits to observe the latest developments in dental products offered by leading manufacturers.

Venue:

Swissotel Krasnie Kholmy

1155054, Moscow, Kosmodamianskaya naberezhnaya 52, 6, near by to the Paveletskaya metro station.

Tel: +7 495 787 98 00

www.swissotel.com/moscow

A special price would be offered to all of the Symposium attendees.

Language:

Official language of the Symposium – English (interpretation into Russian would be provided)

Photo and Video:

Photography, audiotaping and videotaping are prohibited during the lecture sessions. If you violate this rule you will be refused admission to the lecture room.

Organizing Committee:

Moscow: tel.: +7 (499) 245 52 70, mikhaleva@quintessence.ru / Kiev: tel.: +38 (093) 880 85 44, hudz@quintessence.ru

Kazakhstan : tel.: +8 (727) 386 85 00, mariya@dental-azbuka.ru

Cancellation policy:

All cancellations before the 20th of September would be fully refunded. There are no refunds after the 21st of September.