



**Piezosurgery® Academy**  
Academy for Advanced Surgical Studies



# ULTRA OSSEOINTEGRATION

International Symposium

May 5 - 6 - 7, 2011

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L U G A N O

*Program*



## Welcome

Dear Colleagues and Friends,

It is with great pleasure that I invite you to join us at the 1<sup>st</sup> Piezoelectric Bone Surgery International Symposium, organized by International Piezosurgery® Academy and Quintessence, in Lugano (Switzerland) from 5 to 7 May 2011.

The extraordinary innovation of the scientific program, the quality of the lectures submitted and the high level of the speakers make this meeting a unique event for professional development.

Clinical results that will be presented were obtained over the first decade of development of Piezoelectric Bone Surgery in Implantology, Oral, Periodontal and Maxillofacial Surgery and Orthodontic Microsurgery.

The main topic of the Symposium “Ultra-osseointegration” introduces for the first time scientific and clinical research using the Ultrasonic Implant Site Preparation Technique (UISP).

It is my personal opinion that we are at the beginning of a new era in Implantology.

Four parallel workshops on primary implant systems will enable participants to learn the Ultrasound Implant Site Preparation technique on bone model with the implants normally used in clinical practice.

The lectures presented on the first two days concern the results and techniques validated by international scientific publications.

The last day will be dedicated to Surgical Track Record and will give several speakers the opportunity to illustrate their clinical experience with special attention to surgery innovation.

The lunch/coffee breaks and the social program organized for the occasion will provide an excellent opportunity for networking between participants, speakers, International Piezosurgery® Academy members and companies in a positive spirit geared towards professional development with the ultimate aim of improving treatment for the well-being of patients.

The beauty of Lake Lugano and the springtime make this an excellent chance for family members and companions to visit this beautiful part of Europe.

## Benvenuto

Cari Colleghi ed Amici,

è con grande piacere che Vi invito a partecipare al 1° Simposio Internazionale di Chirurgia Piezoelettrica organizzato da International Piezosurgery® Academy e Quintessenza, che si terrà a Lugano il 5-7 Maggio, 2011.

L'eccezionale carica innovativa del programma scientifico, la qualità delle relazioni e il livello degli Speakers rendono questo meeting un evento unico per la crescita professionale.

Saranno presentati i risultati clinici ottenuti nei primi dieci anni di sviluppo della Chirurgia Ossea Piezoelettrica in Implantologia, Chirurgia Orale, Parodontale e Maxillo-facciale e Microchirurgia Ortodontica.

Il tema principale del Simposio “Ultra-osseointegration” introduce per la prima volta la ricerca scientifica e clinica utilizzando la tecnica di Preparazione Ultrasonica del Sito Implantare (UISP).

E' mia opinione personale che i promettenti risultati siano l'inizio di una nuova era che sviluppa l'implantologia osseo-integrata.

Workshop paralleli delle quattro sistematiche implantari più attente all'innovazione daranno la possibilità ai partecipanti di apprendere, su modello osseo, la tecnica di Preparazione Ultrasonica del Sito Implantare (UISP) posizionando gli impianti di morfologia ideale.

Le relazioni delle prime due giornate di lavoro riguarderanno risultati e tecniche validate da pubblicazioni scientifiche internazionali.



L'ultima giornata sarà dedicata al “Surgical Track” e darà spazio all'esperienza clinica dei vari relatori, con particolare attenzione alla presentazione di novità chirurgiche.

Le pause di lavoro ed il programma sociale saranno l'occasione di contatti interpersonali tra i Partecipanti, i Relatori, i Membri della International Piezosurgery® Academy e le Aziende, in uno spirito positivo di crescita professionale dedicata al miglioramento delle terapie per il maggior benessere dei pazienti.

La bellezza del Lago di Lugano e la stagione primaverile rappresentano inoltre l'opportunità per famiglie e accompagnatori di visitare questa bella parte di Europa.

Tomaso Vercellotti MD, DDS  
International Piezosurgery® Academy Founder and President



# Piezosurgery® Academy

Academy for Advanced Surgical Studies

## MISSION

International Piezosurgery® Academy is a nonprofit independent scientific society whose mission is to pursue the development of Bone Surgery techniques and healing mechanisms and to develop surgical protocols that raise treatment efficacy and lower patient morbidity. In addition to forging innovation in continuing education and scientific publication.

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*For more information please join us at International Piezosurgery® Academy Desk*

# International Symposium LUGANO 2011

## SCIENTIFIC ORGANIZATION

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## SPEAKERS

|                              |                            |
|------------------------------|----------------------------|
| <i>Baldi Domenico</i>        | <i>Orsini Marco</i>        |
| <i>Bell William</i>          | <i>Pikos Michael A.</i>    |
| <i>Bertossi Dario</i>        | <i>Podestà Andrea</i>      |
| <i>Béziat Jean-Luc</i>       | <i>Pratella Umberto</i>    |
| <i>Bowen Antonio</i>         | <i>Rebaudi Alberto</i>     |
| <i>Chiapasco Matteo</i>      | <i>Robiony Massimo</i>     |
| <i>Covani Ugo</i>            | <i>Rossi Enzo</i>          |
| <i>Cullum Daniel</i>         | <i>Russo Crescenzo</i>     |
| <i>Demircioglu Arzu</i>      | <i>Sammartino Gilberto</i> |
| <i>Di Alberti Luca</i>       | <i>Schierano Gianmario</i> |
| <i>Fonzar Alberto</i>        | <i>Schlee Markus</i>       |
| <i>Lambrecht Thomas</i>      | <i>Sentinieri Rosario</i>  |
| <i>Makari Christian</i>      | <i>Shiratori Kiyoto</i>    |
| <i>Majewski Piotr</i>        | <i>Stacchi Claudio</i>     |
| <i>Maurer Peter</i>          | <i>Valentini Pascal</i>    |
| <i>Motta Jones Jason</i>     | <i>Verardi Simone</i>      |
| <i>Mozzati Marco</i>         | <i>Vercellotti Tomaso</i>  |
| <i>Nevins Myron</i>          | <i>Vincenzi Giampaolo</i>  |
| <i>Nocini Pier Francesco</i> | <i>Wallace Stephen</i>     |
| <i>Nordera Paolo</i>         | <i>Zadeh Homa</i>          |

# Thursday, May 5<sup>th</sup> Ultra-Osseointegration

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**08.45 - 09.00** Opening Remarks *Tomaso Vercellotti (Italy)*

Welcome Message *Myron Nevins (USA)*

## Session I: Implant Ultra-Osseointegration

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Chairmen: *Stefano Carossa (Italy) - Michael Norton (UK)*

### Scientific Studies: Ultra-Osseointegration vs. Osseointegration - Bone Healing Response

**09.00 - 09.30** Ultrasonic Implant Site Preparation Technique (UISP), Instruments and Surgical Protocol  
*Tomaso Vercellotti (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Understand the importance of different cutting instruments for bone surgery
- 2) Understand when and how to use the PBS in Implantology
- 3) Know how to apply New Surgical Bone Classification to optimize the primary stability

**09.30 - 10.00** Early Bone Healing after Piezosurgery® in an in-vivo study in rabbits  
*Peter Maurer (Germany)*

Upon completion of this presentation, participants should be able to:

- 1) Which differences occur in the microarchitecture of bone surfaces after ultrasonic compared to conventional bone cutting
- 2) How these differences affect mineralization and inflammation during bone healing (Micro-CT, histology, PCR)
- 3) Why and how these basic scientific results may affect oral surgical procedures

**10.00 - 10.30** Peri-Implant Bone Temperature Observations  
*Thomas Lambrecht (Germany)*

Upon completion of this presentation, participants should be able to:

- 1) Show the results of intraosseous temperature measurements by using different inserts of Piezosurgery® 3 for Osteotomy and Osteoplasty
- 2) Understand the influence of the coolingwater, the design of the inserts, the contact pressure and the calibration of the piezoelectric device on the temperature development will be explained

**10.30 - 11.30** Coffee Break

**11.30 - 12.00** Differential Implant Site Preparation Technique: Electro-Microscopical and Micro-CT Observations in Cortical and Cancellous Bone Surfaces  
*Alberto Rebaudi (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Appreciate Differential Implant Site Preparation and effects of micro-vibration and irrigation
- 2) Learn work of inserts, drills and compactors
- 3) Learn effects of cavitation in the base of evidence and researchy

**12.00 - 12.30** Scientific Bases for a New Era in Implantology  
*Gianmario Schierano (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) The topic of the presentation is about the Improvement of Osseointegration process
- 2) See if the choice of the Surgical Implant Site Preparation technique may be a factor to improve Osseointegration
- 3) Compare the histological and biological response of the Piezoelectric Bone Surgery in Implant Site Preparation with the drill technique

**12.30 - 14.30** Lunch Break

# Thursday, May 5<sup>th</sup> Ultra-Osseointegration

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## Session II: Implant Ultra-Osseointegration

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Chairmen: Stefano Carossa (Italy) - Tiziano Testori (Italy)

### Clinical Studies: Ultra-Osseointegration vs. Osseointegration - Clinical Application

**14.30 - 14.50** Primary and Secondary Stability: Early Wound Healing in Implant Site Preparation  
*Claudio Stacchi (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Understand the different factors influencing Osseous Healing after implant insertion
- 2) Understand the pattern of Implant Stability in the early phases of healing
- 3) Understand the influence of Ultrasonic Implant Site Preparation in enhancing Bone Healing compared to traditional preparation with rotating instruments

**14.50 - 15.10** Radiographic Bone Peri-Implant Densitometry from Primary to Secondary Stability  
*Luca Di Alberti (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Evaluate the peri-implant radiographic bone density using Piezosurgery® vs Twist Drill
- 2) Understand the influence of different cutting instruments to promote favourable osseous healing response

**15.10 - 15.45** Minimally Invasive Implant Therapy: Ridge Augmentation using Vista and Ultrasonic Implant Site Preparation  
*Homa Zadeh (USA)*

Upon completion of this presentation, participants should be able to:

- 1) Recognize the rationale and technique of VISTA for Ridge Augmentation
- 2) Be aware of the applications of VISTA for block grafting, GBR with membranes and Ti-Mesh
- 3) Understand the utility of Piezosurgery® for Immediate Implant Site Preparation in extraction sockets

**15.45 - 16.30** Tea Break

**16.30 - 17.00** Ultrasonic Implant Site Preparation in Different Anatomic Situations: A Multicentric Study  
*Crescenzo Russo (Italy) - Marco Mozzati (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Know the clinical results of multicentric studies "Ultrasonic Implant Site Preparation technique using Piezosurgery®" 3579 implants, 3 years of follow-up
- 2) Know the outcome of the clinical experience of 11 operators using the UISP technique in 1885 patients

**17.00 - 17.30** Ultra-Osseointegration: Clinical Application and New Perspectives  
*Tomaso Vercellotti (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Know clinical advantages of UISP
- 2) Optimize Implant placement:
  - Whit limited bone volume
  - In extraction sockets
- 3) See new perspective for future minimally invasive Implantology

**17.30 - 18.00** Special Contribution Award for International Piezosurgery® Academy Honorary Members

## Friday, May 6<sup>th</sup> Piezoelectric Bone Surgery (PBS)

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**08.45 - 09.00** International Piezosurgery® Academy Activities  
*Simone Verardi (Italy)*

### Session III: PBS in Advanced Implantology

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*Chairmen: Sergio De Paoli (Italy) - Nikos Donos (UK)*

#### Sinus Lift, Ridge Expansion, Bone Grafting

**09.00 - 09.30** Sinus Lift Complication Management  
*Pascal Valentini (France)*

Upon completion of this presentation, participants should be able to:

- 1) Understand that grafting the floor of the maxillary as a highly successful and predictable method for posterior maxillary implant placement. Sinus Lift procedure shows a low incidence of surgical and postsurgical complications either of anatomical or infectious origin.
- 2) Know that every situation, a thorough knowledge of sinus anatomy and the use of appropriate surgical methodology and instrumentation will allow the practitioner to avoid most pitfalls associated with that procedure

**09.30 - 10.00** Sinus Lift State of the Art using PBS Protocol for Lateral Approach  
*Stephen Wallace (USA)*

Upon completion of this presentation, participants should be able to:

- 1) Understand the evolution of technology for surgical decision-making
- 2) See the benefits of PBS technique in lateral window approach
- 3) Choose the appropriate PBS technique for various anatomical situations

**10.00 - 10.30** Ridge Expansion and PBS Protocols  
*Daniel Cullum (USA)*

Upon completion of this presentation, participants should be able to:

- 1) Understand instrumentation and surgical protocols for RE including Piezosurgery® osteotomy and UISP (Ultrasonic Implant Site Preparation)
- 2) Compare flap designs in the mandible and maxilla and the role of the periosteal vascular supply
- 3) Understand anatomical considerations and applications of RE to reduce the learning curve

**10.30 - 11.30** Coffee Break

**11.30 - 12.00** Intra-Oral and Extra-Oral Bone Harvesting Techniques using PBS  
*Matteo Chiapasco (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Show present applications of piezoelectric instruments for bone harvesting procedures from intraoral and extraoral sites
- 2) Show advantages and disadvantages of piezoelectric instruments as compared to standard devices such as fissure and round burs assembled on low-speed handpieces

**12.00 - 12.30** Bone Grafting State of the Art using PBS Protocol  
*Michael A. Pikos (USA)*

Upon completion of this presentation, participants should be able to:

- 1) Understand the role of Piezosurgery® in implant based bone graft reconstruction with mandibular block autografting
- 2) Understand the role of Piezosurgery® in implant based bone graft reconstruction with ridge expansion
- 3) Understand the role of Piezosurgery® in implant based bone graft reconstruction with mesh particulate grafting
- 4) Understand the role of Piezosurgery® in implant based bone graft reconstruction with sinus grafting

**12.30 - 14.30** Lunch Break

# Friday, May 6<sup>th</sup> Piezoelectric Bone Surgery (PBS)

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## Session IV: Advanced Piezoelectric Bone Surgery

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Chairmen: *Giampaolo Vincenzi (Italy) - Niklaus P. Lang (Switzerland)*

### Orthodontic and Orthognatic Microsurgery

#### 14.30 - 15.00 **Lectio Magistralis:** Cranio-Facial PBS Clinical Results: Seven Year Follow-up

*Jean-Luc Béziat (France)*

This presentation reports the modifications of cranio-facial techniques using PBS in:

- 1) Mandibular and maxillary osteotomy
- 2) Craniosynostosis surgery
- 3) Approaches of the base skull and the posterior part of the orbit

#### 15.00 - 15.30 Evolution of Clinical Accelerated Orthognathic Surgery and Adult Orthodontics

*William Bell (USA)*

Upon completion of this presentation, participants should be able to:

- 1) Treat maxillofacial deformities and malocclusions in 6-12 months
- 2) Apply biologic principles and surgical techniques for accelerated Orthognathic Surgery and Orthodontics
- 3) Understand the global revolution of surgical education by virtual imaging technology and robotic surgery
- 4) Apply techniques of virtual model surgery

#### 15.30 - 16.00 Orthodontic Microsurgery

*Andrea Podestà (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Have a general understanding of traditional orthodontic movement
- 2) Know the basic concepts of orthodontic movement assisted by surgery
- 3) Know the fundamentals of orthodontic micro-surgery including its benefits and when it should be used

#### 16.00 - 16.30 Segmental Micro-Osteotomy for Occlusal Balance

*Massimo Robiony (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Know a minimally invasive surgical procedure to restore occlusal balance
- 2) Plan a surgical approach based on the biological rationale "bio-surgery"
- 3) Solve several clinical cases from orthognathic-orthodontic problems to the preprosthetic difficult situations

#### 16.30 - 17.30 Tea Break

#### 17.30 - 18.00 Ultra-Structural Aspects of the Bone and the Periodontal Ligament after Microsurgical Orthodontics

*Dario Bertossi (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Know the ultrastructural anatomy of the periodontal ligament and bone
- 2) Understand the ultrastructural modification of the periodontal ligament and bone after traditional orthodontic movement and microsurgical orthodontics

#### 18.00 - 18.30 Microsurgical Orthodontics in Maxillo-Facial Surgery and Orthognatic Surgery

*Pier Francesco Nocini (Italy)*

Upon completion of this presentation, participants should be able to:

- 1) Know the applications of Microsurgical Orthodontics in different areas of Maxillofacial Surgery and orthognatic surgery
- 2) Understand the possibilities and the limits of this technique in terms of reduction of overall time of treatment and the biological response of hard and soft tissues

## Saturday, May 7<sup>th</sup> Surgical Track using Piezoelectric Bone Surgery

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**8.15 - 8.30** International Piezosurgery® Academy Membership  
*Domenico Baldi (Italy)*

### Session V: Surgical Track using PBS

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*Chairmen: Tomaso Vercellotti (Italy) - Antonio Santos Alemany (Spain)*

**08.30 - 08.50** Periodontal PBS: Preliminary Experiences  
*Alberto Fonzar (Italy)*

**08.50 - 09.10** Sinus Lift using Flapless PBS Crestal Approach: Clinical Experience  
*Markus Schlee (Germany)*

**09.10 - 09.30** Sinus Lift using PBS Protocol for Crestal Approach: Preliminary Experiences  
*Rosario Sentineri (Italy)*

**09.30 - 09.50** Advanced Piezoelectric Techniques for Safe Osteotomies in Peri-Orbital Region  
*Paolo Nordera (Italy)*

**09.50 - 10.10** Orthodontic Microsurgery: Instruments, Surgical Protocol and Preliminary Experience  
*Umberto Pratella (Italy)*

**10.10 - 10.30** Piezosurgery® clinical advantages in the daily practice  
*Kiyoto Shiratori (Japan)*

**10.30 - 11.15** **Coffee Break**

**11.15 - 11.30** Piezosurgery®: basic concepts for successful use  
*Antonio Bowen (Spain)*

**11.30 - 11.50** PBS Technique for Oral Cyst Removal: Surgical Protocol and Preliminary Experiences  
*Ugo Covani (Italy)*

**11.50 - 12.10** Bony Blocks in Esthetic Zone. Optimization of Surgical Procedures using PBS: Five Years Follow-up  
*Piotr Majewski (Poland)*

**12.10 - 12.30** Crown Lengthening Technique using PBS: Surgical Protocol and Clinical Results  
*Marco Orsini (Italy)*

**12.30 - 13.00** Piezoelectric Tooth Extraction Technique: Surgical Protocols for Germectomy and Third Molar  
*Enzo Rossi (Italy) - Jason Motta Jones (Italy)*

### **Elisabetta Chiari Award**

*The best research project related to Piezoelectric Bone Surgery will be awarded with one last generation Mectron Piezosurgery® unit by Mrs Caterina Vercellotti Chiari*

Introduction of New President: Enzo Rossi

Closing Remarks



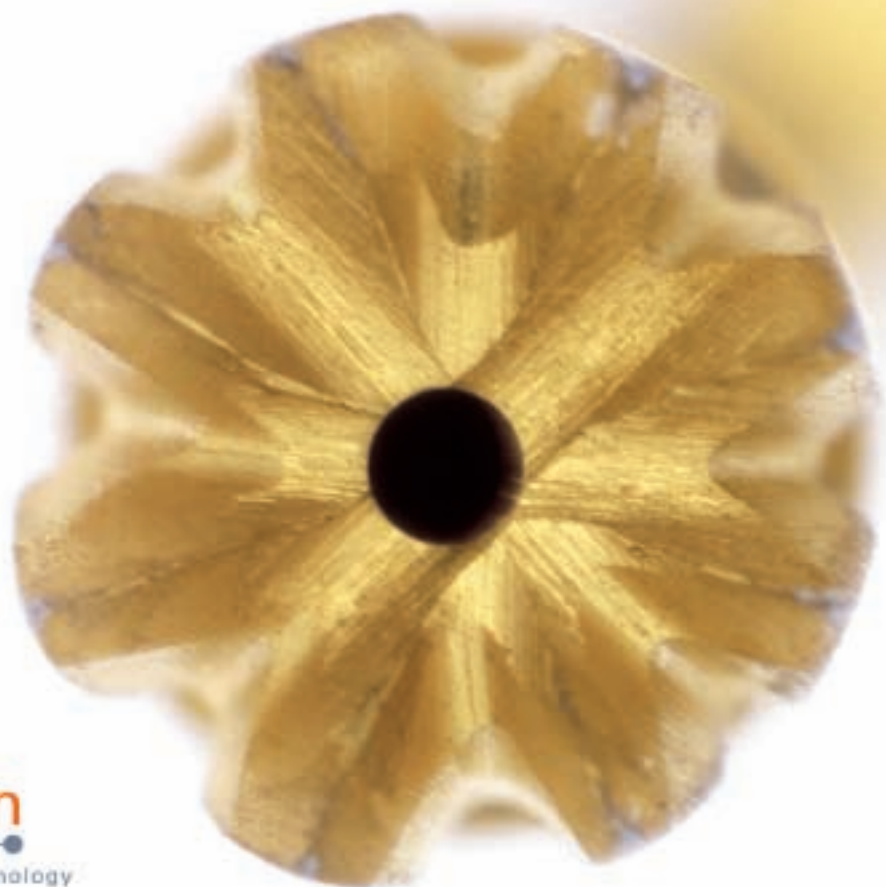
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**PIEZOSURGERY®**



The workshop is a unique opportunity to learn the fundamentals of Ultrasonic Implant Site Preparation (UISP). The goal is to enable participants to immediately adopt Ultra-osseointegration in their professional office. The workshop will be held by colleagues active in scientific research and experts at using Ultra-osseointegration in their clinical practice. The workshop is divided into the fundamentals and practical application. The first introduces the surgical protocol and provides knowledge on the morphological characteristics of the selected implant. The second is more extensive and provides training for Ultrasonic Implant Site Preparation with placement of selected implants. The device used is Mectron-Piezosurgery®.

Il workshop è un'occasione unica per imparare, in breve, la tecnica di Preparazione Ultrasonica del Sito Implantare (UISP). Lo scopo è quello di mettere i partecipanti nella condizione di applicare immediatamente l'Ultra-osseointegrazione nel proprio studio professionale. Colleghi attivi nella ricerca scientifica ed esperti utilizzatori della Ultra-osseointegrazione nella pratica clinica cureranno le relazioni. Il workshop è suddiviso in una breve parte teorica, per la presentazione del protocollo chirurgico e la conoscenza delle caratteristiche morfologiche dell'impianto selezionato, ed una parte pratica più consistente per la Preparazione Ultrasonica del Sito Implantare su modello osseo, con l'inserimento della sistemica scelta. L'apparecchiatura utilizzata è il Mectron-Piezosurgery®.

## HANDS-ON WORKSHOP IMPLANT DIRECT USING MECTRON PIEZOSURGERY®

Friday, May 6<sup>th</sup> 14.00 - 16.30

Room C • 1<sup>st</sup> floor • Convention Centre

Immediate and delayed load of Legacy 3 and ReActive implants inserted with the UISP technique (Ultrasonic Implant Site Preparation Technique).

Alberto Rebaudi, Crescenzo Russo

The Implant Direct workshop is aimed to show how the UISP technique can improve primary stability, help and accelerate progression of osseointegration. Participants will try on bone models the UISP technique. They will measure, with an electronic torque wrench, the additional stability obtained combining the Ultrasonic Implant Site preparation and the "Buttres Threads" of the self tapping implants **Legacy 3** and **ReActive**.



### Dr. Alberto Rebaudi

MD, DDS. Contract Professor at the University of Genova, Italy. Professor in postgraduate courses in Implantology, Guided surgery and Bone Regeneration in the Universities of Genova, Napoli, Pisa and Chieti, Italy. Active in implant and biomaterials research. Author of 100 publications.

Vice President of Bio.C.R.A. (Biomaterials Clinical-Histological Research Association), Active Member and delegate for Italy to the SENAME-ICOI (Mediterranean Association of Implantology).

Honorary Member of the Model Guide Academy.

Founder Member of the International Piezosurgery Academy.



### Crescenzo Russo

Graduated in Dentistry Prosthodontics Dental Prosthesis in 1993 at the University of Turin then went on to receive a Periodontology Certificate in 1996. His clinical interests are Implantology and Prosthodontics. Since 1994 is volunteer attending the dental school of Turin ( Prof. S. Carossa) providing research and dental services. He is coauthor of many articles on dental subjects, Piezoelectric Bone Surgery particularly. From 2000 until now he works with Prof. Tomaso Vercellotti in an intensive training and educational program on Piezoelectric Bone Surgery. Private practice in Turin.

Founder Member and Secretary of the International Piezosurgery Academy.



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## Octagon



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In times of financial constraints –  
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Implant Direct Sybron sets new standards with high-quality implants with low prices and value added All-in-One™ Packaging for only 115 Euro per implant, including the corresponding prosthetic components. Besides the unique Spectra System, we offer compatible implant systems to Nobel Biocare™, Straumann and Zimmer® Dental. Make a decision today and choose a path of smart solutions and considerably more profit.

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## HANDS-ON WORKSHOP TEKKA USING MECTRON PIEZOSURGERY®

**Friday, May 6<sup>th</sup> 16.00 - 18.30**

**Room C • 1<sup>st</sup> floor • Convention Centre**

Tekka implants inserted with drills VS the UISP technique (Ultrasonic Implant Site Preparation Technique) microCT, ISQ and RTA study.

*Gilberto Sammartino, Christian Makari, Arzu Demircioglu*

The Tekka workshop is aimed to show if and how the UISP technique (Ultrasonic Implant Site Preparation) can improve not only primary stability but also secondary stability of osseointegration.

Participants will deeply know the effects of Different Implant Site Preparation Techniques on Osseointegration and know instruments and surgical protocol of UISP.



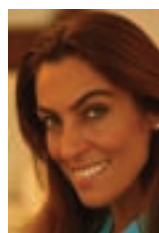
### **Gilberto Sammartino**

Head of the Dept. of Oral and Maxillofac. Surgery University of Naples "Federico II"  
Chief of the School of Oral Surgery, University of Naples "Federico II"  
President of the Italian Society of Oral Surgery (S.I.d.C.O.)  
President of the S.E.N.A.M.E implantology Association  
President of the I.C.O.I Italy Association  
Co-Chairman of the I.C.O.I Europe Association  
Author of more than 200 articles published on national and international journals  
Lecturer in national and international courses and conferences  
Member of the Editorial Board of different journals  
Referee of International scientific journals



### **Christian Makary**

Graduated in 1993 at St Joseph University in Beirut Lebanon  
Certificate of Oral Surgery at Paris VII University in France  
Diploma in Oral Implantology at Bordeaux II University in France  
Diploma in Oral Pathology at Paris VI University in France  
Master degree in Oral Biology and teacher at Dental Medicine St Joseph University in Beirut Lebanon  
Board of directors of Mediterranean Association of Implantology and Modern Dentistry (SENAME)



### **Arzu Demircioglu**

Graduated in Dental Surgery at French High School, St Benoit Providence (France)  
Certificate in Anatomy and Biochemistry, University of Istanbul (Turkey)  
Master's degree in Implantology, Lille University (France)  
Founder of Nisantasi Implantology and Dentistry Centre and Dentakademia Education and Practice Centre  
General Secretary of South European North African Middle Eastern Implantology and Modern Dentistry Association (SENAME)  
Member of ICOI, SNIF, EDAD, TOID, OSSADER

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designer

The workshop is a unique opportunity to learn the fundamentals of Ultrasonic Implant Site Preparation (UISP). The goal is to enable participants to immediately adopt Ultra-osseointegration in their professional office. The workshop will be held by colleagues active in scientific research and experts at using Ultra-osseointegration in their clinical practice. The workshop is divided into the fundamentals and practical application. The first introduces the surgical protocol and provides knowledge on the morphological characteristics of the selected implant. The second is more extensive and provides training for Ultrasonic Implant Site Preparation with placement of selected implants. The device used is Mectron-Piezosurgery®.

Il workshop è un'occasione unica per imparare, in breve, la tecnica di Preparazione Ultrasonica del Sito Implantare (UISP). Lo scopo è quello di mettere i partecipanti nella condizione di applicare immediatamente l'Ultra-osseointegrazione nel proprio studio professionale. Colleghi attivi nella ricerca scientifica ed esperti utilizzatori della Ultra-osseointegrazione nella pratica clinica cureranno le relazioni. Il workshop è suddiviso in una breve parte teorica, per la presentazione del protocollo chirurgico e la conoscenza delle caratteristiche morfologiche dell'impianto selezionato, ed una parte pratica più consistente per la Preparazione Ultrasonica del Sito Implantare su modello osseo, con l'inserimento della sistemica scelta. L'apparecchiatura utilizzata è il Mectron-Piezosurgery®.

## HANDS-ON WORKSHOP BIOMAX USING MECTRON PIEZOSURGERY®

**Saturday, May 7<sup>th</sup> 09.00 - 11.30**

**Room C • 1<sup>st</sup> floor • Convention Centre**

Piezosurgery®: A novel approach from the pre-prosthetic surgery to the The UISP technique (Ultrasonic Implant Site Preparation Technique)

*Giampaolo Vincenzi, Domenico Baldi, Massimo Robiony*

Protocol and clinical applications will be shown in cases of pre-prosthetic surgery, i.e. sinus lifting with vestibular or crestal access and implant surgery.

The presentation shows how Piezosurgery® can help clinicians, especially in difficult situations, to achieve a good osseointegration using implants with innovative design and surfaces.



### **Giampaolo Vincenzi**

Graduated Physichian (M.D) 1977 at University of Padova

Specialized D.D.S. 1980 at University of Verona

Professor of Perio in University of Verona Departement of Dentistry from 1984 to 1990

Author of many publications, from 1990 he works and teaches in his own private practice too

Speaker in U.S.A. A.A.P. Meeting (in 1991-93-94-95-96-97) about Regenerative procedures in Perio-Mucogen-gival and Implant Surgery

Speaker in International Congresses in Europe and Japan (1994-95-98-2002-2005-2007-2008-2009)

From 2002 to 2005 professor in Master of Implantology in Udine University

Active member of S.I.d.P, A.I.C., S.I.O and Active founding member of the International Piezosurgery Academy



### **Massimo Robiony**

Graduate Education: (1989) M.D. (Summa cum Laude), University of Naples School of Medicine, Italy Board

Certification: (1994) Maxillo-Facial Surgery, University of Verona Medical School

European Board: (2006) Fellow of European Board of Oro-Maxillo-Facial Surgery (FEBOMFS)

Membership: Italian Society of Maxillo-Facial Surgery, AO Faculty Member, European Society of Cranio Maxillo-Facial Surgery, International Association of Oral and Maxillofacial Surgery

Actual Position: Associate Professor of Maxillofacial Surgery Clinic, Department of Medical and Biological Science, University of Udine School of Medicine Udine, Italy, Azienda Ospedaliero-Universitaria Santa Maria della Misericordia

Active founding and Vice president of the International Piezosurgery Academy



### **Domenico Baldi**

Graduated Physichian (M.D) 1987 with honours at Genoa School of Medicine

Specialized D.D.S. 1990 at University of Genoa

Adjunct Professor at the University of Genoa in Prosthodontics and Implantology

Visiting Professor in the Surgery High Level Course at La Sapienza-University of Rome

Author of several scientific articles and referee of QDT- quintessence of dental technology-(Italian edition)

Member Italian Society for Implantology and Prosthodontics (SIOPI)

Private practice in Genoa

Active founding member of the International Piezosurgery Academy

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**BIOMAX**

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T 0444.913410 / F 0444.913695



The workshop is a unique opportunity to learn the fundamentals of Ultrasonic Implant Site Preparation (UISP). The goal is to enable participants to immediately adopt Ultra-osseointegration in their professional office. The workshop will be held by colleagues active in scientific research and experts at using Ultra-osseointegration in their clinical practice. The workshop is divided into the fundamentals and practical application. The first introduces the surgical protocol and provides knowledge on the morphological characteristics of the selected implant. The second is more extensive and provides training for Ultrasonic Implant Site Preparation with placement of selected implants. The device used is Mectron-Piezosurgery®.

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## **HANDS-ON WORKSHOP SWEDEN & MARTINA** USING MECTRON PIEZOSURGERY®

**Saturday, May 7<sup>th</sup> 11.00 - 13.30**

**Room C • 1<sup>st</sup> floor • Convention Centre**

Clinical applications of UISP technique with Premium & Kohno implant system.

*Claudio Stacchi, Simone Verardi*

The Sweden&Martina workshop will illustrate the UISP technique in preparing implant sites for the insertion of Premium&Kohno implants.

After a description of the surgical technique with its characteristics and clinical applications, the participants will learn to insert Premium&Kohno implants on bone models with UISP technique using Piezosurgery® specific inserts.



### **Claudio Stacchi**

Graduated (DDS) and specialized in Oral Surgery (MSc) at University of Trieste (Italy). Contract professor in Oral Implantology at the School of Dentistry of University of Trieste since 2007

Active member of the Academy of Osseointegration and member of the Peer-Review Panel of the Journal of Oral Implantology. Author of several publications on indexed journals and speaker at Italian and international congresses on oral surgery and implantology topics

Active founding member and component of the Scientific Committee of the International Piezosurgery Academy



### **Simone Verardi**

Graduated in Dentistry in 1998 from La Sapienza, Rome University

Certificate in Periodontics and also a Master of Science in Dentistry University of Washington of Seattle, WA

In 2004 he received the Award for Outstanding Research from the California Society of Periodontists

Diplomate of the American Board of Periodontology

President of the Schluger-Ammons Study Club

Affiliate Assistant Professor at the University of Washington

Active founding member of the International Piezosurgery Academy





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Il Gruppo Cornèr Banca è un gruppo bancario svizzero, privato e indipendente, fondato nel 1952 a Lugano, la terza piazza finanziaria più importante della Confederazione Elvetica, dopo Zurigo e Ginevra.

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Il forte legame con il contesto economico locale si riflette nella scelta di mantenere la sede e la direzione generale a Lugano. Nel corso degli anni, inoltre, la banca si è insediata in altre primarie piazze elvetiche e ha dato avvio ad un importante processo di internazionalizzazione, con il preciso obiettivo di diversificare ed ampliare il ventaglio dei propri prodotti e servizi in funzione della crescente globalizzazione dei mercati e di una clientela sempre più cosmopolita.

Il Gruppo Cornèr Banca è formato dalla **casa madre** Cornèr Banca SA di Lugano, dalle quattro **succursali** di Chiasso, Locarno, Losanna e Zurigo e dalle **affiliate estere** Cornèr Banque (Luxembourg) SA e Cornèr Bank (Overseas) Limited di Nassau.



**CORNÈR** 

Cornèr Banca SA, Via Canova 16, 6901 Lugano  
Tel. +41 91 800 51 11, [www.cornèrbanca.com](http://www.cornèrbanca.com)

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*Founded in Lugano in 1952, Cornèr Bank Group is an independent Swiss private bank. Lugano is the principal business and financial hub of the Canton of Ticino and Switzerland's third banking centre, after Zurich and Geneva.*

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I vostri valori, i nostri valori.  
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# Symposium Registration Form

## Location

CONVENTION CENTRE

Piazza Indipendenza 4 - 6900 Lugano - Switzerland

Phone: + 41 (0)91 911 04 04 - [www.lugano-conventions.com](http://www.lugano-conventions.com)

This registration form (also available on-line) shall be considered valid only if all information is included and accompanied by the registration fee.

Complete and send by e-mail, fax or mail to:

## Organization Secretariat

PROMO LEADER SERVICE CONGRESSI

Via della Mattonaia, 17 - 50121 Firenze (Italy)

Phone: + 39 055 2462277 - Fax: + 39 055 2462270

E-mail: [segreteria.organizzativa@promoleader.com](mailto:segreteria.organizzativa@promoleader.com)

## Symposium Registration Fees (+ 20% V.A.T. if applicable):

|  | EARLY REGISTRATION<br>by March 1, 2011 | LATE REGISTRATION<br>after March 1, 2011 |
|--|--|--|
| <b>Members 2010</b>  | <input type="checkbox"/> 300,00 euro   | <input type="checkbox"/> 400,00 euro     |
| <b>Non Members</b>   | <input type="checkbox"/> 400,00 euro   | <input type="checkbox"/> 500,00 euro     |
| <b>Young Doctors</b><br>(graduates in the last 5 years)                          | <input type="checkbox"/> 250,00 euro   | <input type="checkbox"/> 300,00 euro     |
| <b>Students</b>  | <input type="checkbox"/> 150,00 euro   | <input type="checkbox"/> 150,00 euro     |
| <b>Workshop (each)</b> - limited attendance<br>(for Symposium participants only) | <input type="checkbox"/> 150,00 euro   | <input type="checkbox"/> 150,00 euro     |

**Membership 2011: please ask International Piezosurgery® Academy desk during the Symposium**

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Place of Birth: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Address: \_\_\_\_\_

ZIP code \_\_\_\_\_ City: \_\_\_\_\_ Country: \_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Registration on line is recommended: [www.piezosurgeryacademy.com](http://www.piezosurgeryacademy.com)

## Billing Address

Name: \_\_\_\_\_

Address: \_\_\_\_\_

ZIP code: \_\_\_\_\_ City: \_\_\_\_\_ Country: \_\_\_\_\_

V.A.T. (if available): \_\_\_\_\_

## Method of payment

**By Check:** make checks payable to Promo Leader Service Congressi srl  
and mail to: Promo Leader Service Congressi S.r.l.  
Via della Mattonaia 17 – 50121 – Firenze - Italy

**By Wire Transfer** payable to:  
Promo Leader Service Congressi  
Bank: Monte dei Paschi di Siena - Agenzia 20 - Firenze - Italy

**IBAN:** IT58X0103002804000000174488

**SWIFT:** PASCITM1F20

**CHARGE:** our

(Please attach a copy of the bank transfer and specify the name of the participant)

My personal information will be treated as per D. Lgs. 196/2003

YES

NO

Signature: \_\_\_\_\_



## Hotel booking



Piezoelectric Bone Surgery Symposium  
May 5-7, 2011  
Palazzo dei Congressi, Lugano (Switzerland)

Last name: \_\_\_\_\_ First Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Cell: \_\_\_\_\_



email: \_\_\_\_\_

Arrival date \_\_\_\_\_ Departure date \_\_\_\_\_

by car                       by train                       by airplane

Hotel in the city                       Hotel up to 10 km from the city

Additional and/or special requests: \_\_\_\_\_

| Category     | Single use  | Double use  |             |                     |
|--------------|--|--|-------------|---------------------|
| Rates in CHF | Room Number  | Rates  | Room Number | Rates               |
| *****        |  | fr. 276.00 - 410.00  |             | fr. 395.00 - 510.00 |
| ****         |  | fr. 215.00 - 379.00  |             | fr. 330.00 - 424.00 |
| ***          |  | fr. 125.00 - 220.00  |             | fr. 180.00 - 285.00 |
| **/*         |  | fr. 125.00 - 160.00  |             | fr. 180.00 - 210.00 |

Rates are understood per night and room including breakfast, service and taxes.

**Please send back the fulfilled form to the following address before: March 23, 2011**

Requests received after March 23, 2011 shall be satisfied according to remaining availability.

Palazzo dei Congressi, Piazza Indipendenza 4, CH - 6900 Lugano  
Tel. + 41 (0)91 911 04 04 - Fax + 41 (0)91 921 14 60 - hotel@lugano-conventions.com

## **General Information**

### **LOCATION**

Palazzo dei Congressi  
Piazza Indipendenza 4, CH - 6900 Lugano  
Tel. + 41 (0)91 911 04 04  
hotel@lugano-conventions.com

### **REGISTRATION FEE**

- The registration fee includes participation in scientific sessions, coffee breaks and lunches and certificate of participation.
- Registration is valid only when the registration fee has been received.
- Registrations will be accepted in order of arrival only.
- The Organization Secretariat will not accept additional registrations once the maximum number of participants has been reached.
- Changes may be made to the program and schedule.

### **CANCELLATIONS AND REIMBURSEMENT**

- Any cancellations must be received by the Organization Secretariat by April 5, 2011 (30 days prior to the Symposium). No reimbursements will be made after that date.
- Registration fees will be reimbursed for cancellations made before April 5, 2011 minus Euro 50 (20% VAT included).
- Should the Symposium not take place due to force majeure, participants will be entitled to reimbursement of the registration fee only.

### **SECRETARY**

Thursday, 5 May from 07.00 until the end of the day  
Friday, 6 May from 07.00 until the end of the day  
Saturday, 7 May from 07.00 until the end of the Symposium

### **OFFICIAL LANGUAGE**

English language with simultaneous translation into Italian.

**VIDEO OR PHOTOGRAPHY WILL NOT BE ALLOWED DURING THE SYMPOSIUM.**

## How to reach Lugano



### AIRPORTS

#### Milano Malpensa (Italy)

Phone: + 39 02 7 4852200

Phone: + 39 02 232323

#### Lugano-Agno

via Aeroporto, 6982 Agno, Switzerland

Phone 0800 177 177 (from Switzerland)

Phone 0800 177 177 77 (from abroad)



### SHUTTLE BUSES

**From Lugano-Agno Airport**, there is a convenient shuttle bus to reach the city centre. Shuttle Bus Service: Phone + 41 (0)79 221 42 43 - [www.shuttle-bus.com](http://www.shuttle-bus.com)

#### From Milano Malpensa Airport to Lugano

Ticino is just a 50 minute drive from the International Airport of Milan and linked by two shuttle buses that run every hour:

Starstation SA: [www.starstation.ch](http://www.starstation.ch)

Malpensa Express: [www.malpensaexpress.ch](http://www.malpensaexpress.ch)

The shuttle buses leaves from terminal 1 and 2 and drops visitors in Lugano and back.



### BY CAR

Lugano is served by the motorway axis that directly connects Northern Europe to the Mediterranean.

**Coming from Milan**, take the Laghi A9 motorway in the direction of Como-San Gottardo or the A8 motorway in the direction of Varese-Stabio (Gaggiolo).

**Advised exit:** Lugano Sud.

**Coming from Zurich** take the A2 motorway in the direction of San Gottardo-Chiasso-Italy. **Advised exit:** Lugano Nord.

Please remember that to drive on Swiss motorways it is necessary to be equipped with the motorway sticker that is to be applied onto the car windshield (the cost: 40.- SFR – valid from Jan.-Dec.) it may be purchased at Customs.



### BY TRAIN

The FFS, the Swiss railroad network, is extremely widespread.

For all the trains and updated arrival/departure times to/from the Lugano Station: [www.ffs.ch](http://www.ffs.ch) or [www.rail.ch](http://www.rail.ch)

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