

UNDER PATRONAGE OF



INTERNATIONAL<sup>®</sup>  
Piezosurgery Academy

MECTRON  
SPRING  
MEETING 2017

23<sup>rd</sup> JUNE 2017  
PALAZZO FRANCHETTI  
VENICE, ITALY



mectron  
medical technology



Dear Colleague,

It is my pleasure to introduce you to our first Continuing Education Spring Meeting 2017, organized by Mectron Medical Technology and patronized by the International Piezosurgery Academy.

This clinical rendezvous aims to offer all participants an opportunity to learn and improve their piezoelectric surgery skills in the daily practice. When planning this event, we decided to focus on four different surgical techniques, which are fundamental in the daily activities of a clinician. Each of these applications will be presented in detail with particular attention being given to the proper clinical protocol (illustrated by didactical animations and videos) and through a wide range of clinical cases. We are particularly pleased that these techniques will be presented by the very clinicians who developed them, thus allowing you to learn how and when to properly apply these techniques from the most reputable sources.

It is my hope that you will decide to partake in this innovative educational event, which was developed with the primary objective of helping each participant to acquire an improved understanding of how to maximize the use of PIEZOSURGERY® in daily practice.

The event will take place on Friday the 23rd of June in Venice, Italy, thus giving you the chance to spend the rest of the weekend in Venice, truly one of the most spectacular cities in the world.

I look forward to seeing you in Venice for our first Continuing Education Spring Meeting.

Kindest Regards,

**Professor Tomaso Vercellotti M.D., D.D.S.**

Founder and Chairman of International Piezosurgery Academy (IPA)



## → HOW NEW PIEZOELECTRIC TECHNIQUES FACILITATE YOUR DAILY PRACTICE

**8.30 Registration**

**9.00 Ultrasonic implant site preparation: clinical advantages in daily practice**

Dr. Claudio Stacchi

**10.30 Coffee Break**

**11.00 New crown lengthening instruments and technique**

Prof. Leonardo Trombelli

**12.30 Lunch**

**13.30 Crestal Split - innovative surgical technique thanks to combined use of piezoelectric inserts and bone expanders**  
Dr. Rosario Sentineri

**15.00 Coffee Break**

**15.30 New sinus lift lateral and crestal approach instruments and surgical protocol**

Prof. Tomaso Vercellotti

**17.00 Questions and answers**

**17.30 Closing toast**

The participants will get detailed knowledge of the four different procedures. All lectures, based on scientific studies and clinical experience, are focused on proper surgical protocol to optimize therapy predictability and reducing patient morbidity.



## → ABSTRACTS

### **Ultrasonic implant site preparation: clinical advantages in daily practice.**

Dr. Claudio Stacchi

Surgical preparation of the implant site is a crucial key-point for success in implant therapy, but little attention has been dedicated to implant site preparation and its influence on the clinical outcomes. The traditional surgical protocol has always been performed using micro-motor powered twist drills, and the drilling action occurs by means of mechanical macro-vibrations, with a very effective result but with limited intra-operative control. The introduction of piezoelectric bone surgery opened new perspectives in performing osteotomies using ultrasonic surgical systems. The micrometric cut of ultrasounds allows for a precise, selective and controllable action and, moreover, both histological and biomolecular observations suggest that bone healing response after ultrasonic osteotomy seems to be more favorable than after bone surgery performed with traditional rotary instruments.

### **New crown lengthening instruments and technique**

Prof. Leonardo Trombelli

This lecture will focus on the indications and surgical procedures to perform the crown lengthening aimed at re-establish a proper biological width prior to a rehabilitation. Methods to obtain crown lengthening, with particular concern of the apical positioning of the soft tissue flap associated with ostectomy and osteoplasty techniques, will be presented. The use of manual and piezosurgery instruments for effective bone remodeling and refining will be described.

### **Crestal Split - innovative surgical technique thanks to combined use of piezoelectric inserts and bone expanders**

Dr. Rosario Sentineri

During this lesson, you will learn how to manage the expansion of an atrophied alveolar ridge where there isn't enough horizontal bone volume, reducing the risk of fracturing or fenestrations usually due to the use of traditional instruments such as hammer and chisel. This technique will allow you to insert implants at the same time. This clinical application combines the piezoelectric micrometric cut and the progressive expansion caused by the



## **Sinus Lift Revisited: A New Surgical Protocol by Tomaso Vercellotti Crestal vs. Lateral Approach**

Prof. Tomaso Vercellotti

This presentation aims at introducing a new clinical method for choosing the most appropriate approach to elevating the sinus cavity floor in relation to the specific anatomical characteristics of the edentulous and/or atrophic posterior maxilla.

The first part of the presentation will focus on the lateral approach to sinus elevation using piezoelectric instrumentation, which research has shown to be the safest technique to preserve Schneiderian membrane integrity during access anotomy. Clinical cases and intra-operative videos will be used to outline each phase of the surgical protocol. The presenter, who revolutionized maxillary sinus surgery 15 years ago by introducing the first piezoelectric protocol, will introduce a new, revisited lateral protocol utilizing new piezoelectric inserts. These new instruments allow optimizing the main phases of the protocol, that is, Lateral Wall Erosion, Bony Window Ostectomy, Membrane Separation, Membrane Elevation, and Bone Stimulation Technique.

The second part of the presentation will introduce a new piezoelectric technique for sinus elevation by crestal approach, a safe and predictable technique (at times no longer blind) that allows overcoming the limitations of current methodology that highly depend on the individual operator's skill. The application of a rigorous surgical protocol allows treating even the most difficult cases, which present severe reduction of residual crest bone volume. Intra-operative videos and animations will be used to illustrate the technique and allow participants to acquire the surgical skill necessary for elevating the membrane by utilizing the cavitation effect (Piezo Lift) and for grafting into the sinus cavity (Piezo Graft), which is the least invasive technique for elevating the maxillary sinus floor prior to implant placement. Lastly, the comparative analysis of radiographic images of lateral and crestal sinus cases will allow each participant to gain a first-hand appreciation for the relative advantages and limitations of each piezoelectric technique.

## → SPEAKERS



**Dr. Tomaso Vercellotti, Genova, Italy**

He is the Inventor of Piezoelectric Bone Surgery, the founder and International Chairman of the International Piezosurgery Academy, and Honorary Professor and Faculty at UCL - Eastman Dental Institute. He is an active member of numerous international professional associations. Dr. Vercellotti authored the books „Essentials in Piezosurgery „, and „The Piezoelectric Bone Surgery: A New Paradigm“. He maintains a private practice in periodontology and implantology in Genova, Italy.



**Prof. Leonardo Trombelli, Ferrara, Italy**

Leonardo Trombelli, DDS, PhD, is full professor and chair of periodontology and implantology at the University of Ferrara in Italy, where he is also director of the research centre for the study of periodontal and peri-implant diseases.



**Dr. Claudio Stacchi, Trieste, Italy**

Adjunct professor in Oral Implantology since 2007 at the School of Dentistry and at the Master Program in Oral Surgery at the University of Trieste. Founding member and President of the IPA (2017-2019), active member of the Italian Acad. of Osseo-integration. Professional practice, Periodontology and Implantology at the Dental Clinic of the University of Trieste and at his practice in Gorizia.



**Dr. Rosario Sentineri, Genova, Italy**

Professional practice since 1984 in Genova. Speaker in several national and international congresses verting on Piezosurgery. International referent for Ridge Expansion and Sinus Physiolift® techniques which he developed and for which he regularly gives advanced courses.

**ONLINE REGISTRATION**  
[www.mectron.com/spring-meeting](http://www.mectron.com/spring-meeting)

### → DATE

Friday, 23<sup>rd</sup> June 2017  
8.30 – 17.30

### → PARTICIPANTS

limited attendance, max. 170

### → PARTICIPATION FEE

early fee until 31<sup>st</sup> March: 390,00 €  
afterwards: 450,00 €  
special offers for mectron customers

### → COURSE LANGUAGE

English and Italian

### → COURSE VENUE

Palazzo Cavalli-Franchetti,  
Venice, Italy  
[www.palazzofranchetti.it](http://www.palazzofranchetti.it)

### → ORGANIZATION

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