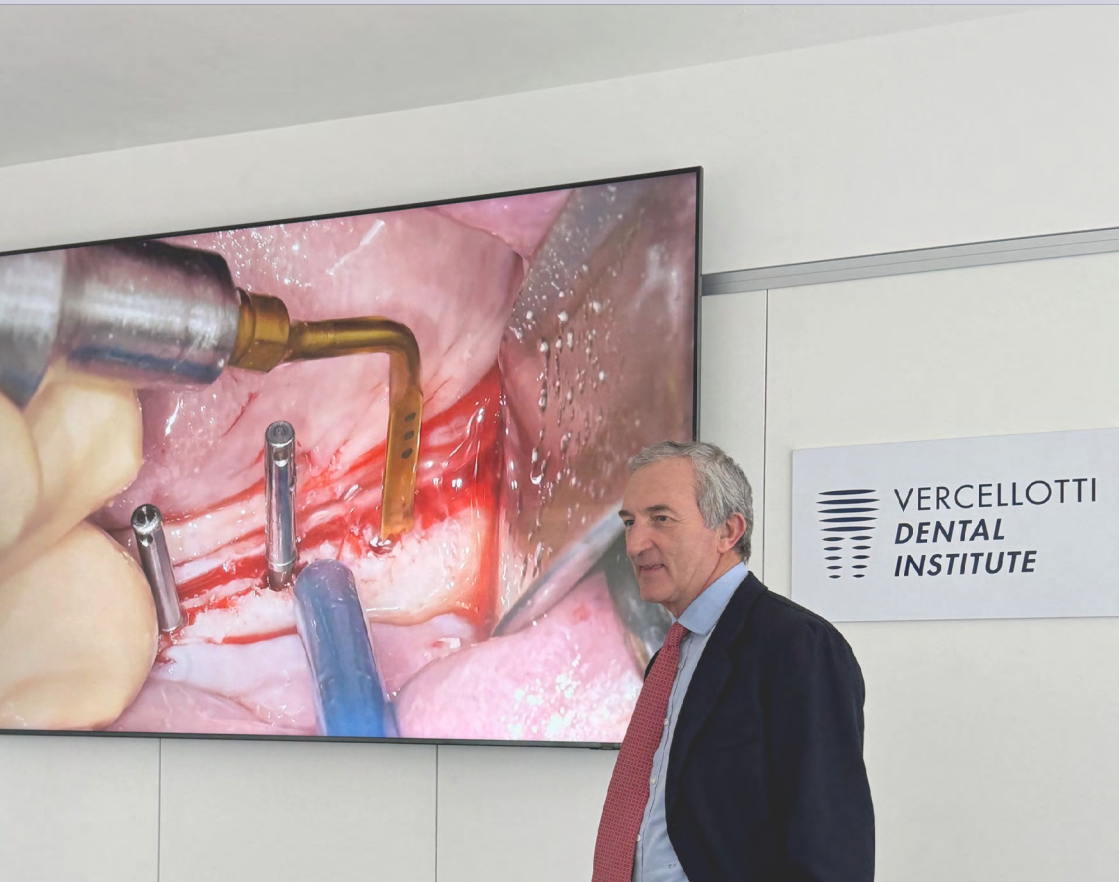
VERCELLOTTI
DENTAL
EDUCATION

THE BEST AND THE MOST USEFUL SURGICAL TECHNIQUES OF MODERN IMPLANTOLOGY

Advanced Live Surgery Course 2025

Tomaso **Vercellotti** and Claudio **Stacchi**



Advanced live surgery course to learn the best techniques to simplify Implantology in narrow ridges and to optimize sinus lift predictability in any anatomy

DAY 1 → June 5th

Clinical Advantages of Wedge-shaped Implants in Daily Practice

DAY 2 → June 6th

Clinical Advantages of Piezoelectric Sinus Lift Techniques by Lateral Approach

DAY 3 → June 7th

Clinical Advantages of Sinus Lift Techniques by Transcrestal Approach

FACULTY

Tomaso Vercellotti, MD DDS

Inventor of Piezosurgery and co-inventor of Wedge-shaped Implants. Founder of the International Piezoelectric Surgery Academy (IPA), in the World's 2% Top Scientists list of Stanford University, Award for Scientific Merits of Italian Dental Society, Adjunct Professor at the Universities of Genoa and Turin (Italy) and Emeritus at Eastman Dental Institute and Queen Mary University of London (UK). Active Member of IPA, AAP, ICOI, AAO,
Founder of Vercellotti Dental Institute.

Claudio Stacchi, DDS MSc

Adjunct professor at the University of Trieste (Italy),
Founder and Past-President of the International Piezoelectric Surgery Academy (IPA),
President-Elect of the Italian Society of Oral Surgery (SIdCO),
in the World's 2% Top Scientists list of Stanford University,
Editorial Board member of Clinical Implant Dentistry and Related Research.
Active member of IPA, SIdCO, and IAO.

DAY 1 – June 5th

Clinical Advantages of Wedge-shaped Implants

Abstract

This course presents a minimally invasive approach to implantology, focusing on the use of wedge-shaped implants only in native bone in order to minimize the necessity for bone augmentation procedures in order to decrease morbidity, complications, drug usage, and time, along with enhanced safety, predictability, patient satisfaction, and office efficiency.

Morning Program: Live Surgery

First Surgery

Pre-surgical Anatomical Diagnosis and Surgical Planning

Wedge implant placement in maxillary narrow ridges (3-5 mm width) using the Expansive Implant Site Technique that will be described step by step: Flap design, Pilot Osteotomy, Horizontal Osteotomy, Site Expansion and Stimulation, Press Fit Implant
Placement, Suture, X-Ray and ISQ Results for Evaluation and Discussion

Second Surgery

Pre-surgical Anatomical Diagnosis and Surgical Decision making.

Wedge implant placement in mandibular crestal bone (3-5mm Width) using expansive and subtractive technique. X-Ray and ISQ Results for Evaluation and Discussion, Post-op management and prescriptions. Questions and Answers.

DAY 1 – June 5th

Afternoon Program: Theory

Pre-surgical Diagnosis and surgical decision making
The Limitations of Screw-Shaped Implants in Narrow Ridges
Wedge-shaped Implants Characteristics and Clinical Advantages
Expansive vs. Subtractive Implant Site Preparation
Rationale for placing Tissue level vs. Bone Level Wedge Implant
Clinical Outcome of Wedge-Shaped Implant from a single element to a prosthetic rehabilitation of severe maxillary or mandibular atrophy

Questions and Answers

Hands-on Session

Implants and Surgical Instruments: Instructions for Use
Implant Site Preparation in animal bone
Surgical Protocol step by step:

- Piezoelectric Pilot osteotomy and Horizontal osteotomy
- Site expansion using Rexpanders
- Fit gauges to check site preparation

Press fit technique for implant insertion, using electromagnetically-controlled mallet

Q&A and Conclusion

DAY 2 – June 6th

Advanced Sinus Lift Course

by lateral approach

Abstract

In daily practice, sinus lift is the most frequent bone grafting procedure in implantology because of the anatomical characteristics of the maxillary bone. This pragmatic course represents the synthesis of everything you need to know and know how to do for therapeutic success.
Tomaso Vercellotti introduced and developed the Piezoelectric Sinus Lift by Lateral Wall Erosion - that Claudio Stacchi's studies have shown to be the safest method for preserving the integrity of sinus membrane.

Morning Program: Live Surgery

Presurgical Diagnosis and Treatment Plan on CBCT images

Clinical Case of Piezoelectric Sinus Lift by Lateral Approach Technique using the Lateral Wall Erosion Protocol

Images of the live surgery allow every detail to be seen on a large screen in 4K . During surgery, the operator illustrates the step-by-step protocol:

→ **Anesthesia**
Techniques for effective local anesthesia to ensure patient comfort and procedural efficiency.

→ **Flap design**
Key principles for optimal soft tissue management to enhance access and healing.

→ **Window osteotomy**
Precise bone window creation to preserve integrity and facilitate sinus access.

DAY 2 – June 6th

→ **Membrane elevation**
Safe and controlled Schneiderian membrane lifting to minimize perforation risk.

→ **Real-time management of surgical challenges**
Identification and handling of anatomical variations, membrane perforations, and unexpected complications.

→ **Bone grafting (with special focus on biomaterials)**
Selection and application of biomaterials to maximize graft stability and implant osseointegration.

→ **Implant insertion**
Timing and techniques for simultaneous or staged implant placement.

→ **Window and flap closure**
Lateral window sealing methods using collagen membranes and suturing techniques.

→ **Intra-operative complications**
Prevention and management of membrane perforation, excessive bleeding, and other surgical challenges.

→ **Pharmacological treatment**
Post-operative medication protocols to control pain, prevent infections, and enhance recovery.

DISCUSSION

► **Case analysis and Q&A**
Interactive session to review surgical steps, clinical decisions, and alternative approaches.

► **Best practices and evidence-based techniques**
Group discussion on optimizing outcomes, reducing complications, and integrating new advancements into daily practice.

DAY 2 – June 6th

Afternoon Program: Theory

SESSION 1: ESSENTIALS IN SINUS LIFT SURGERY

→ **Maxillary sinus anatomy and physiology**
Understanding the anatomical structures and physiological functions essential for a predictable sinus lift procedure.

→ **Presurgical evaluation and ENT referral**
Identifying risk factors, pathology, and when collaboration with an ENT specialist is necessary for patient safety.

→ **Wound healing mechanisms in the maxillary sinus**
Exploring tissue healing dynamics and optimizing regenerative outcomes in sinus augmentation.

SESSION 2:

DECISION TREE FOR SURGICAL APPROACH SELECTION
Evidence-based step-by-step guidance on choosing between lateral and crestal approaches based on anatomical and clinical factors.

RECONSTRUCTIVE AND PROSTHETIC INDICATIONS
Evaluating patient-specific indications based on bone availability and prosthetic needs to ensure long-term success.

Q&A

SOCIAL DINNER & DIPLOMAS

DAY 3 – June 7th

Advanced Sinus Lift Course

by transcrestal approach

Morning Program: Live Surgery

TRANSCRESTAL SINUS FLOOR ELEVATION

Abstract

The advantages of transcrestal sinus lift are minimal invasivity and morbidity. It is generally considered an operator-dependent technique, as it is often performed without direct visual control.
This live surgery offers an opportunity to see how innovative piezoelectric inserts in combination with injectable graft material make this procedure simple and safe in many clinical cases.

LIVE SURGERY OF SINUS LIFT BY TRANSCRESTAL APPROACH

Images of the live surgery allow every detail to be seen on a large screen in 4K.
During surgery, the operator illustrates step-by- step the protocol:

→ Anesthesia
Techniques for effective local anesthesia to ensure patient comfort and procedural efficiency.

→ Flap design

→ Ultrasonic Implant Site Preparation Technique (UISP)

→ Piezoelectric Sinus Floor Erosion Technique

→ Intra-operative Valsalva Manouver

→ Initial Sinus Membrane Elevation using Piezo Lift Cavitation effect

→ Manual injection of gel-form bone grafting material in a volume adequate to reach and contact the inner walls of the sinus cavity

→ Implant insertion and primary stability in reduced crestal bone

→ Pharmacological treatment

DAY 3 – June 7th

Afternoon Program: Theory

SESSION 1:

Short Implants
Indications, biomechanical considerations, and when to opt for short implants instead of sinus augmentation.

HANDS-ON SESSION ON SINUS LIFT LATERAL APPROACH:

► Lateral approach
Practical experience with the lateral sinus floor elevation technique, focusing on key steps such as flap design, window creation, and membrane elevation.

Q&A

CONCLUSION OF THE MASTER INTERNATIONAL COURSE & TOAST

Course Venue

VERCELLOTTI
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Via XII Ottobre 2/111
16121 Genova

The Vercellotti Dental Institute is located in the center of Genoa (Italy) and is structured for Advanced Courses in Live Surgery with maximum audio-video definition

Organizing Secretariat

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Course Fees

€ 1000,00 → 1 day
+ VAT 22%

€ 2500,00 → 3 days course
+ VAT 22%