

A portrait of a middle-aged man with short, graying hair, smiling at the camera. He is wearing a white lab coat over a dark collared shirt. The background is a soft, out-of-focus green and white gradient.

**TIZIANO TESTORI**

**CRESTAL APPROACH  
SURGERY AND  
MANAGEMENT  
OF **SINUS LIFT**  
COMPLICATIONS**

# Crestal Approach Surgery and Management of Sinus Lift Complications

Tiziano Testori MD, DDS, FICD



## SUMMARY



### Topic:

Surgical protocols and biological rationale of the most effective and revolutionary sinus lift techniques



### Objectives:

The rationale behind the choice between different treatment plan options:  
crestal, lateral and short implants approach  
Newest findings in flap design technique and its relation with treatment invasiveness  
Modern surgical trend: criss-cross incisions and periodontal flap design and periosteal releasing incisions  
The necessity to fully understand anatomical features  
Classification of sinus membrane perforations occurring during transcrestal sinus floor elevation and related treatments  
medicine  
Correctly perform the crestal approach to elevate maxillary sinus  
Simultaneously correct recessions at the level of adjacent teeth during sinus lifting procedure



### WHY TO ENROL:

1- You'll receive a punctual update on the most recent and innovative maxillary sinus lift surgical protocols with particular reference to the Piezoelectric and the Osseodensification techniques-

2- You'll be able to manage sinus lift complications such as sinus membrane perforations.

3- You will be able to offer your patients a minimally invasive therapeutical solution that will be immediately implementable in your daily practice.

## LEVELS

**Difficulty** Advanced

**Theory** ●●●●●

**Practice** ●●●●

## KEY INFO



English



On Demand



Implantology --> Sinus Lift



4H



11 video lectures

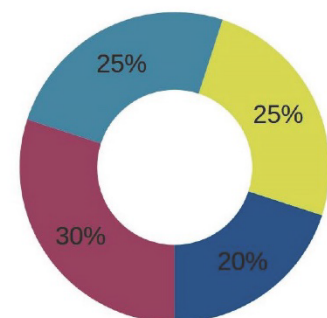


**Clinical** Yes



NO

## SKILLS YOU WILL LEARN



■ Anatomy and Biological Rationale

■ Complications Management

■ Surgical Protocols

■ Crestal Approach: New Techniques



### **Channel Description:**

Prof. Tiziano Testori welcomes you to this new learning experience fully focused on surgical techniques for sinus lift using the crestal approach.

According to Prof. Testori, there are more than 40 different techniques and it is difficult to find a consensus among experts. Rely on the experience of one of the world's leading experts in the field and find out how to select the most efficient technique based on the anatomical characteristics of each patient and the latest scientific publications.

This course, designed to provide you with the requirements to immediately implement these techniques in your daily clinical practice, offers a comprehensive and up-to-date overview of the biological rationale, selection criteria and step-by-step surgical procedures.

You will learn, in particular, what piezoelectric and osseodensification techniques are and why they represent the gold standard to date, and, in the last part of the course, you will delve into the management of complications with particular reference to sinus membrane perforations.

### **In particular, this course will focus on:**

- The rationale behind the choice between different treatment plan options: crestal, lateral and short implants approach
- Newest findings in flap design technique and its relationship with treatment invasiveness
- Modern surgical trend: criss-cross incisions and periodontal flap design and periosteal releasing incisions
- The necessity to fully understand anatomical features
- Classification of sinus membrane perforations occurring during transcrestal sinus floor elevation and related treatments

### **At the end of the course, you'll be able to:**

- Correctly perform the crestal approach to elevate maxillary sinus
- Simultaneously correct recessions at the level of adjacent teeth during sinus lifting procedure

- Understand the potential of Piezoelectric and Osseodensification techniques
- Minimize invasiveness and post-op healing for your patients
- Gain a full knowledge of simple, predictable and fast maxillary sinus lifting procedures
- Carefully choose between different therapeutic modalities

### **Who is the course for?**

Participation in this learning experience is highly recommended for all professionals practicing sinus lift procedures who want guidance on the best, most effective, fastest and least invasive operative techniques.

Due to the extremely didactic and step-by-step nature of the course, this experience is also an excellent tool for those with less experience in this field who wish to have a comprehensive overview.

### **Ok, but how does it work?**

This 4 hour course is divided into 11 video lectures that you can find by accessing your personal osteocom area from any device and downloading from the osteocom mobile app, available on iOS and Android.



### **Video Lecture 1 - Sinus lift procedures: a comprehensive overview and the potential of different treatment options (17min)**

Description:

This first video lesson aims to introduce participants to the main topics of the course by giving an overview of the different treatment options for performing sinus lifts.

Prof. Testori explains how difficult it is to find a consensus among experts on which is the gold standard between the crestal, lateral and short implants approach.

Participants will be able to see how the invasiveness of these treatments does not come from the type of approach but from the design of the flap.

### **In particular, this lesson covers the following topics:**

- Literature review: different treatment options
- Crestal vs Lateral vs Short Implants approaches

- Newest findings in flap design technique
- Anatomically oriented clinical suggestions to prevent intra- and post-op complications
- Correction of recessions on the adjacent teeth while elevating the sinus

## **Video Lecture 2 - The evolution of the Lateral Approach: Lateral Window and Simplified Antrostomy Design (9min)**

Description:

This lesson focuses on the evolution of the lateral approach that decreased the level of invasiveness of this procedure, making it similar to the crestal approach.

Participants will note that this evolution is due to both the innovative flap design and the change in terms of antrostomy.

The technique in question, called SAD (Simplified Antrostomy Design) simplifies sinus elevation and decreases the risk of membrane perforation.

Finally, the Low Window Technique, a further evolution of the SAD technique that is even less invasive, is discussed.

**In particular, this lesson covers the following topics:**

- Simplified Antrostomy Design and Low Window Technique
- Revolutionary flap and antrostomy design
- Indications for the SAD technique
- Advantages and surgical protocol: SAD and Low Window Technique
- How to reach the maxillary sinus membrane
- How to identify the mesial sinus wall

## **Video Lecture 3 - Crestal Approach: the decision tree algorithm (6min)**

Description:

Prof. Tiziano Testori explains that there are more than 40 different techniques to perform the crestal approach, and how he has identified two techniques to be the gold standard: the SAD and the Low Window Technique.

The speaker then discusses the decision-making algorithm through which he chooses between these different options depending on both sinus size and thickness.

**In particular, this lesson covers the following topics:**

- The decision tree algorithm to select the proper treatment option
- The importance of understanding biology

- Indications for crestal approach based on sinus dimension and width
- One-stage vs Two-stage lateral approach
- One-stage vs Two-stage transcrestal approach
- Crestal bone height and bucco-palatal sinus width assessment

#### **Video Lecture 4 - Evolution of sinus lift procedures: Piezo Surgery and Osseodensification (23min)**

Description:

In this lesson, Prof. Tiziano Testori discusses the evolution of parameters and indications concerning sinus augmentation procedures that have taken place in recent years.

Participants will be able to observe how the continuous search for minimal invasiveness has led to the abandonment of techniques involving osteotomy in favor of techniques such as piezoelectric technique and osseodensification.

The speaker explains why these treatment options are preferred and what the rationale behind clinical decision making is.

##### **In particular, this lesson covers the following topics:**

- Ethical reasons to minimize the invasiveness of sinus lift procedures
- The abandonment of the osteotomy techniques
- When to use piezoelectric and osseodensification techniques?
- The rationale behind the choice between crestal and lateral approach
- Presentation of a clinical case
- The assessment of both type of edentulism and bone features

#### **Video Lecture 5 - Sinus membrane perforations (12min)**

Description:

How can we manage the perforation of the sinus membrane safely and effectively?

Prof. Testori shows how to avoid this severe intraoperative complication and illustrates different types of perforations.

##### **In particular, this lesson covers the following topics:**

- PRF and short implant positioning to handle sinus membrane perforations
- Classification of sinus membrane perforations occurring during transcrestal sinus floor elevation and related treatments
- Sinus floor elevation using the transalveolar approach
- The relationship between using graft materials and gaining more bone

## **Video Lecture 6 - Example of different clinical cases: step-by-step surgical protocol (9min)**

Description:

In this lesson, various clinical cases are presented where patients have a good amount of remaining bone.

Participants will be able to observe the implementation of the digital sinus protocol, which involves a top-down approach starting from implant length and the evaluation of the transmucosal channel.

**In particular, this lesson covers the following topics:**

- The Digital Sinus Protocol: top-down treatment
- Correct implant length assessment
- How to protect the membrane: PRF, L-PRF or collagen sponge
- Reaching the sinus floor with the piezo instrument

## **Video Lecture 7 - Osseodensification technique (16min)**

Description:

After discussing the piezoelectric technique, Prof. Testori focuses on osseodensification: a crestal approach technique that foresees the use of a counterclockwise running bur in a viscous material creating a hydrodynamic compression wave.

Participants will notice how this technique is an easy and atraumatic way to achieve sinus lift.

**In particular, this lesson covers the following topics:**

- How to choose the size of the bur according to the size of the implant
- Post-op healing process
- The need of a good quantity of bone

## **Video Lecture 8 - Management of post-op infections after sinus elevation surgery (1h 18min)**

Description:

Prof. Tiziano Testori discusses the management of post-op infections after sinus lift surgery.

Participants will discover what's the difference between a healthy and an unhealthy sinus and how to discriminate between a functional and a non-functional ostium.

**In particular, this lesson covers the following topics:**

- Post-op infections after sinus lift
- Biologically challenging patients
- Poor blood supply complications
- Partial or total graft removal
- Late post-op infections
- Pharmacological treatment after sinus surgery: clinical consensus and recommendations

**Video Lecture 9 - Clinical conclusions (11min)**

**Description:**

This last video lesson is dedicated to summarizing the topics covered during the course, paying particular attention to the most recent developments in the field of flap design, identified as the key factor in reducing the invasiveness of sinus lift surgery.

**Video Lecture 10 - Clinical video: short implants + Versah crestal sinus lift (27min)**

**Description:**

In this first of the two ReLIVE Surgeries which conclude this learning experience, Prof. Tiziano Testori shows the operating sequences of crestal sinus lift adopting the 'Versah' working protocol in combination with the use of short implants.

**Video Lecture 11 - Clinical video: Crestal sinus lift and multiple implant placement (41min)**

**Description:**

In this final ReLIVE Surgery, Prof. Testori shows the treatment protocol for a crestal sinus lift and the insertion of a short implant in the left maxillary ridge and two implants in the right side.

**Video Lecture 12 - Clinical Case - COMING SOON**

**Description:**

This innovative technique offers a minimally invasive and guided crestal approach. The fully guided procedure, including vertical guidance, uses next-generation tools that make surgery simple and fast. You will learn how to use these tools to achieve optimal results, reducing operative times and improving the patient experience.

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course

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**Author's Bio:**

**Tiziano Testori, MD, DDS, FICD**, currently serves as the head of the Implant Dentistry and Oral Rehabilitation section of the Department of Biomedical, Surgical, and Dental Science at the Galeazzi Orthopedic Institute in Milan, Italy, and as an Adjunct Clinical Associate Professor of the Department of Periodontics and Oral Medicine at The University of Michigan, School of Dentistry, Ann Arbor, Michigan, USA. He is Past President of the Italian Academy of Osseointegration (IAO).

He is member of the Editorial Board of IJOMI, EJOI, IJPRD.

Dr. Testori has authored 120 peer-reviewed publications and 4 books in Implantology.

