LEONARDO TROMBELLI

# Single Flap Approach

SFA Technique



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# Single Flap Approach

Simplified periodontal regeneration techniques for the treatment of infrabony defects

by Prof. Leonardo Trombelli

Osteocom brings you the exclusive video course by Prof. Leonardo Trombelli, international expert in periodontology and speaker at major association congresses worldwide. This new video course program involves **10 exclusive theoretical lessons**, enriched by surgical videos that guide the viewer through the correct application of the techniques shown in the course.

**TOPICS**

The treatment of deep infraosseous lesions is still perceived as a challenging task for periodontists. The difficulties related to flap design and suture technique choice, the execution as well as the critical issues represented by the choice of the appropriate regenerative technique, have led to the widespread perception of regenerative treatment as a technically challenging and expensive procedure.

The purpose of this video course is precisely to dispel this myth, presenting a simplified procedure within the reach of the vast majority of the specialists in periodontics, capable of ensuring both the success of the treatment outcome and the simplification of clinical procedures.

This complete video course presents all the necessary steps to successfully implement the "Single Flap Approach" (SFA )

technique, a "simplified" approach to infraosseous regeneration, with more favorable conditions for the patient and the clinical operator.
The improvement in the clinical conditions of a deep infraosseous lesion that can be achieved with SFA can be summed up as:

- substantial gain of clinical attachment
- easier bone filling and better histological outcome
- reduction of the probing depth to a easy to maintain condition
- limited post-operative recession

The Single Flap Approach can be described as the elevation of a single vestibular or lingual/palatine flap, allowing to leave the tissues on the opposite side intact.
The SFA technique has repeatedly proven to be more effective - in terms of surgical access as well as in combination with regenerative materials - compared to traditional papilla preservation techniques. Recently it was shown how the use of the enamel matrix derivative leads to better clinical performance when combined with SFA than any other flap design. This technique can be used successfully in 90% of the clinical scenarios involving deep intrabony defects, regardless of severity, number of residual walls and position.

# What will you learn from this video course?

- predictable deep infrabony defect treatment with proven long term outcome stability

- Single Flap Approach step-by-step application, from the selection of the case, to the incision design; from root and defect instrumentation, to suture techniques

- incision customization, biomaterial selection and suture technique election according to the case-specific features of the defect and of the neighbouring soft tissues

- membranes and biological agents election and management, with or without the use of bone substitutes, according to the case-specific features and the aesthetic needs of the patient

- SFA technique combination with connective tissue grafts to improve the aesthetic result.

The course will teach you how to diagnose, plan and treat deep infrabony defects with simple regenerative techniques that can be successfully adopted in complex as well as simple cases.

**PRACTICAL ADVANTAGES OF THE COURSE**

A simplified procedure carries several advantages, both for the operator (e.g. optimization of chair time, use of less surgical equipment, faster learning curve... ) and for the patient (less pain and discomfort after treatment, higher respect of the pre-existing aesthetics, ... ).
These advantages are realized in less time needed for the treatment, swifter follow-up visits and less treatment costs.

Questi vantaggi si concretizzano in meno tempo necessario per la somministrazione del trattamento e le visite di follow-up e meno costi di trattamento.

**THIS COURSE INCLUDES:**

- 10 immediately available lifetime access video lessons.

**Lecture 1: Why and how should you treat an intraosseous defect? Establishing the treatment plan and therapeutic outcomes**

**Description:** this first lesson of the video course aims to develop skills and abilities in formulating the treatment plan in patients suffering from severe periodontitis characterized by the presence of infrabony defects.The goal is to contextualize the treatment as part of a broader therapeutic plan.

The content of the lecture:

- How to include regenerative treatment within the overall therapeutic plan.

- Objectives of the regenerative treatment and long term result predictability.

- Patient-specific and defect-specific features that favour the regenerative treatment option

**Lecture 2: How to simplify the surgical procedure? The added value of the Single Flap Approach (SFA)**

**Description:** In this second lesson Prof. Trombelli highlights the benefits of the Single Flap Approach to surgically access deep infraosseous defects.

The content of the lecture:

- How to optimize wound stability and healing after regenerative surgery

- The clinical advantages of SFA when compared to traditional double-sided flap techniques

**Lecture 3: Relevant factors to the SFA election: Keep calm and... probe!**

**Description:** the didactic objective of the third lesson is to acquire competence and skills in identifying the case-specific SFA adoption indications.

The content of the lecture:

- How to identify the defect and the soft tissue features relevant to the flap design choice.
- How to diagnose pre-surgically the defect morphology.
- How SFA can be adapted to 90% of infrabony defects.

**Lecture 4: the Single Flap Approach: step by step application. How should you manage the flap, the defect and the root?**

**Description:** the didactic objective of the lesson is to acquire competence and ability to correctly perform the surgical flap according to the principles of the SFA: how to treat the adjacent root and the defect to facilitate regeneration.

The content of the lecture:

- How to design the SFA surgical flap according to hard and soft tissue case specific features
- How to treat single or multiple defects, in the esthetic area and in the posterior areas
- How to perform root debridement and defect degranulation: manual, ultrasonic and rotating instruments strategies.

**Lecture 5: The Single Flap Approach: step by step application. Which suture technique to maximize wound stability?**

**Description:** the didactic objective of the lesson is to develop competence and skills on the best suture technique following the SFA principles.

The content of the lecture:

- How appropriate suture techniques ensure primary and tension-free closure of the surgical flap.
- How to elect the best suture in relation to soft tissue morphology.
- How to manage the post-op period.

**Lecture 6: The Single Flap Approach: step by step application. When and how should you use a membrane?**

**Description:** the educational goal of the lesson is to develop competence and skills in the use of GTR - Guided Tissue Regeneration - in combination with the SFA technique.

The content of the lecture:

- Clinical and histological benefits of using membranes in perio regeneration.
- How to optimize the use of the membrane - with and without bone substitutes -in combination with SFA

- Conditions and lesions benefit the most from GTR approaches.

**Lecture 7: The Single Flap Approach: step by step application. When and how should you use a biological agent?**

**Description:** the didactic objective of the lesson is to develop competence and skills in the use of the enamel matrix derivative combined with the SFA technique.

The content of the lecture:

- Clinical and histological benefits of using enamel matrix derivatives.
- How to optimize the use of the enamel matrix in combination with the SFA.
- Conditions and lesions the enamel matrix derivative offers the greatest clinical benefits too

**Lecture 8: The Single Flap Approach: step by step application. When and how should you use a graft in addition to a biological agent?**

**Description:** The didactic objective of the lesson is to develop competence and skills in the use of EMD combined with grafting material and SFA.

The content of the lecture:

- Clinical benefits of combining the enamel matrix derivative with autologous bone or bone substitutes.

- How to optimize the additional use of the graft: the "sandwich technique".

- Conditions and lesions the additional use of the graft offers the greatest clinical benefits too

**Lecture 9: The Single Flap Approach: step by step application. How to contain the post surgery change in gingival contour?**

**Description:** the didactic objective of the lesson is to develop competence and skills in clinical management to contain the post-surgical recession.

The content of the lecture:

- Factors that affect the stability of the gingival contour after regenerative surgery

- Tips and tricks to contain the post-SFA gingival recession.

**Lecture 10:  The Single Flap Approach: regenerative procedure selection**

**Description:** The didactic objective of the lesson is to provide a decisional algorithm to optimize the regenerative result with SFA: what to do in aesthetic and posterior areas, when to use additional bone or connective tissue grafts.




**PROF. LEONARDO TROMBELLI**

Professor of Periodontology of the Degree Course in Dentistry and Dental Prosthetics of the University of Ferrara. Ph.D. in Genetics. From 1995 to 2004 he was Assistant Professor at the Advanced Education Program in Periodontics and Implant Surgery at Loma Linda University, California. President of the School of Medicine (2014-2016) and Coordinator of the Degree Course in Dentistry and Dental Prosthetics at the University of Ferrara (2013-2018). He is Director of the Interdepartmental Research Center for the Study of Periodontal and Peri-implant Diseases of the University of Ferrara, and Director of the UOC of Provincial Dentistry of the Local Health Authority of Ferrara. President of the Italian Society of Osseointegrated Implantology (2007-09). Active Member of the Italian Society of Periodontology, Active Member of the Italian Society of Osseointegration Implantology, Active Member of the International Association for Dental Research. He is a member of the Editorial Board of the Journal of Clinical Periodontology (2000-present), Journal of Dental Research (2018-2021), and of the Peer Review Panel of the Journal of Periodontology. He practices freelance activities limited to Periodontology and Oral Surgery.


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