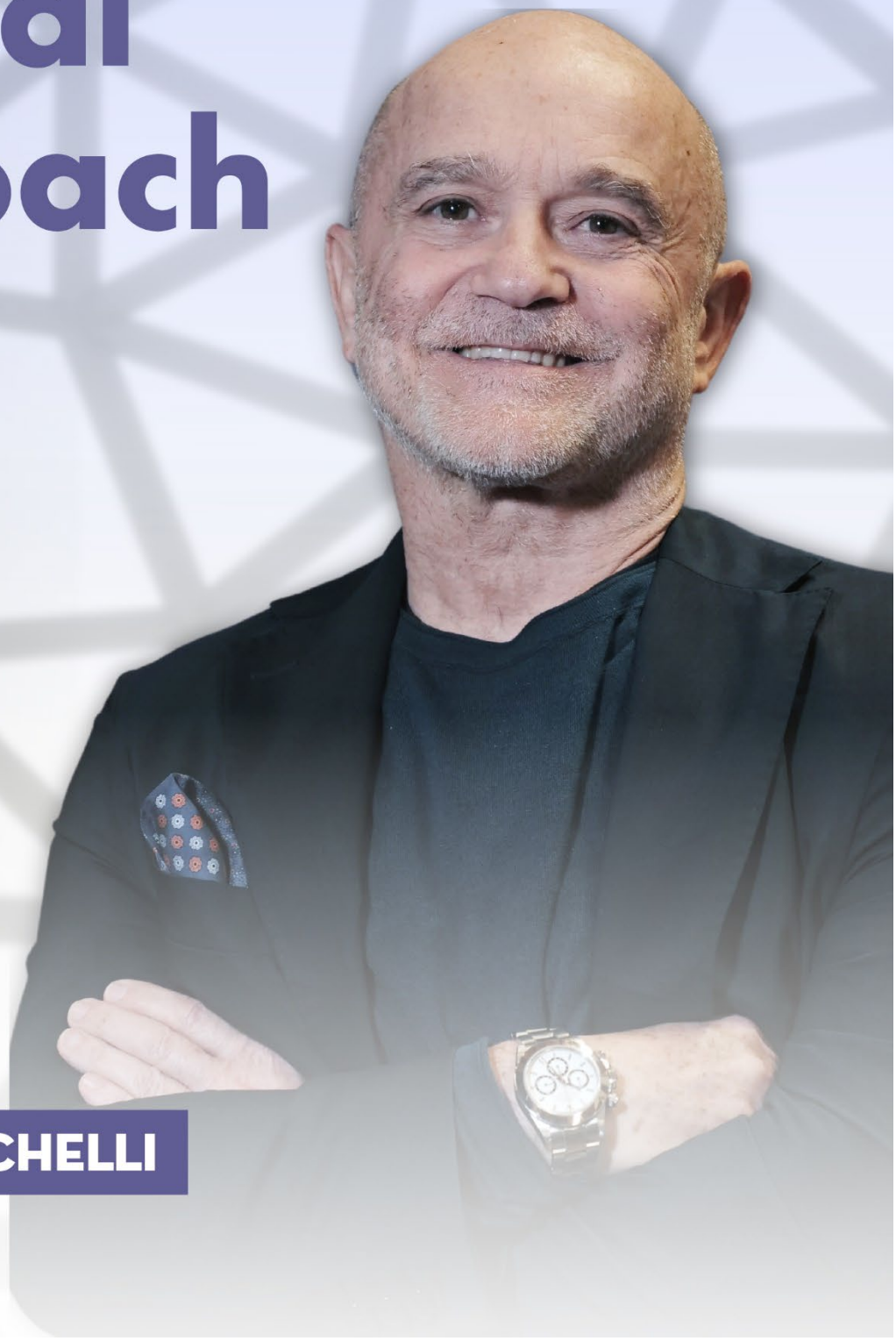


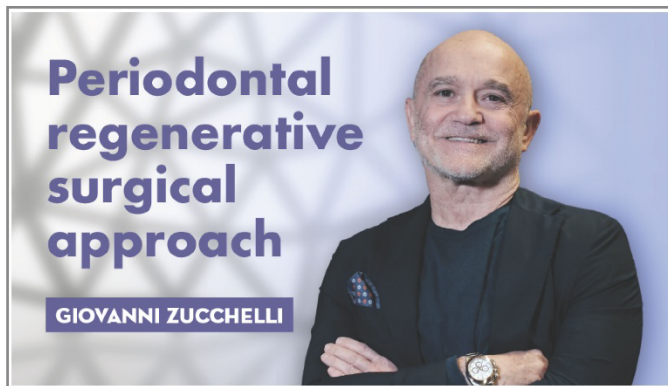
Periodontal regenerative surgical approach



GIOVANNI ZUCHELLI

Periodontal regenerative surgical approach

By Prof. Giovanni Zucchelli



SUMMARY



Topic:

Mucogingival approach to regenerative procedure



Objectives:

Achieve improvement in soft tissues alongside the treatment of bone defects
Understand the regenerative potential of a bone defect
Treat very severe defects in teeth with dubious prognosis
Plan the treatment of soft and hard tissues in a single surgical session predictably
Close the defect with soft tissues providing stability to the clot
Obtain radiographic filling of the defect by forming proper alveolar bone and reducing probing depth
Achieve infrabony healing of the defect



WHY TO ENROL:

1- You manage both soft tissue management and regeneration of the infrabony defect in a single surgical moment.

2- You will fully understand the biological aspects behind regenerative therapy and know how to create new periodontal ligament, new connective attachment and new alveolar bone proper.

3- You will be able to stabilize the clot by grafting connective tissue, providing protection from trauma and bacteria.

LEVELS

Difficulty Advanced

Theory ●●●●

Practice ●●●●●

KEY INFO



English



On Demand



Regenerative - Mucogingival



9h



9 Theory + 2 ReLIVE Surgery

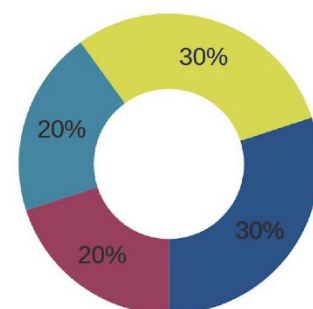


Clinical Yes



NO

SKILLS YOU WILL LEARN



■ Mucogingival Surgery

■ Regenerative Therapy

■ Biological Principles

■ Clot Protection



Channel Description:

Professor Giovanni Zucchelli welcomes you to this new course, developed in collaboration with Osteocom, focused on the mucogingival approach to regenerative therapy.

Participants will receive comprehensive and extensive training on the management of severe infrabony defects through preventive mucogingival therapy, performed to prevent the risk of future papilla recession.

Through the presentation of various surgical clips as well as complete ReLIVE Surgeries, participants will observe the latest and most innovative surgical protocols developed by Professor Zucchelli, understanding how to address the presence of soft tissues with unfavourable morphology.

Particular attention will be given to the biological principles underlying regenerative therapy and the techniques applicable to stabilize the clot and position the connective tissue graft to protect the clot from trauma and bacteria in the oral cavity.

Join Professor Zucchelli and take your regenerative therapy to the next level by integrating the mucogingival approach.

The following topics will be covered:

- Diagnosis of vertical bone defects
- Soft tissues as a prognostic factor for the healing of vertical bone defects
- Regenerative surgery in periodontology
- Criteria for choosing: regenerative therapy vs tooth extraction
- Selection of bone defects in regenerative surgery
- Prognosis of healing of bone defects
- Techniques for papilla preservation in regenerative surgery
- Coronally advanced flap in regenerative surgery
- Characteristics of the mucogingival approach to regenerative therapy
- Prognostic factors related to soft tissues for regenerative therapy

- Soft tissue surgery in regenerative therapy: Connective Tissue Graft Wall Technique
- Minimally invasive regenerative surgery
- Treatment of severe defects
- Management of soft tissues in the multiple coronally advanced flap
- Management of interproximal soft tissue and papilla preservation
- Biological principles underlying regenerative therapy

By the end of the course, you will be able to:

- Achieve improvement in soft tissues alongside the treatment of bone defects
- Understand the regenerative potential of a bone defect
- Treat very severe defects in teeth with dubious prognosis
- Plan the treatment of soft and hard tissues in a single surgical session predictably
- Close the defect with soft tissues providing stability to the clot
- Obtain radiographic filling of the defect by forming proper alveolar bone and reducing probing depth
- Achieve infrabony healing of the defect and create new connective attachment
- Minimize the risk of trauma and bacterial contamination of the clot

Who is this course for?

Participation in this training experience is particularly recommended for all periodontologists who already have experience in regenerative therapeutic practices and wish to expand their knowledge by discovering the potential of the mucogingival approach.

How does it work?

This **9 hour** course is divided into 9 theoretical lessons and **2 Re-LIVE Surgeries** rich in content that you can find by accessing your personal Osteocom area from any device and downloading the Osteocom mobile app, available on iOS and Android.



Video Lesson 1 - Strategies for the management of deep infrabony defects in the aesthetic area (41min)

Description:

In this introductory lesson, Professor Zucchelli will clarify the key differences between classical regenerative therapy and that approached with the mucogingival method.

There will be an in-depth discussion on the significant advantage of the mucogingival approach to regenerative therapy, namely the management of soft tissues and the treatment of bone defects in a single surgical session.

Finally, the biological principles underlying regenerative therapy will be analyzed, explaining how to close the defect with soft tissues, providing stability and protection to the clot positioned in the infrabony component of the defect.

In particular, this lesson will cover the following topics:

- The potential of the mucogingival approach to regenerative therapy
- Biological principles underlying regenerative therapy
- Stability and protection of the clot through soft tissues
- Criteria for understanding the regenerative potential of a defect
- Radiographic filling of the defect: new alveolar bone, cementum, and periodontal ligament
- Post-operative course: trauma and contamination

Video Lesson 2 - (26min)

Description:

This presentation will discuss the characteristics of a truly minimally invasive therapy and the defects that can potentially be treated with this approach.

Professor Zucchelli will introduce the MIST and Modified MIST techniques to explain to participants how to access the defect and stabilize the clot.

In particular, this lesson will cover the following topics:

- How to minimize the risk of trauma and clot instability
- Treatment of one-wall defects
- Infrabony defects with two or three walls
- Spontaneous healing of the defect and vascular support to the clot

Video Lesson 3 - (25min)

Description:

The supra-osseous component of the defect, known as the supracrestal tissue, is the determining factor behind the rationale for choosing between a minimally invasive approach and a mucogingival approach.

Participants will learn how to analyze this factor to guide their treatment plan; Professor Zucchelli will explain how any defect can be treated only if there is sufficient supra-osseous component of the defect.

In particular, this lesson will cover the following topics:

- How to analyze the amount of the supra-osseous component of the defect
- Isolating the defect from the oral environment
- Covering the clot with soft tissues

Video Lesson 4 - Prognostic Factors of Soft Tissues (1h 21min) Dr. Martina Stefanini

Description:

Dr. Martina Stefanini will illustrate the three biological principles underlying periodontal regeneration: creating space, necessary for the bond between the clot and the root surface; clot stability, needing protection from trauma and bacteria; and primary intention closure of the supracrestal soft tissues.

Additionally, the prognostic aspects of the soft tissues will be discussed, addressing the factors to consider when deciding whether to extract a tooth or proceed with regenerative therapy.

In particular, this lesson will cover the following topics:

- Surgical approaches involving the preservation of supracrestal soft tissues
- Degranulation of the defect

- How to gain attachment by filling the defect and reducing probing depth
- Prognostic aspects of soft tissues: height of the papilla, isthmus, height and thickness of keratinized tissue, and amount of supracrestal soft tissue

Video Lesson 5 - (1h 18min)

Description:

In this presentation, Professor Zucchelli will show participants the countermeasures that can be adopted in case of unfavorable prognostic factors in the soft tissues.

Several clinical cases will be shown to demonstrate how to manage every possible complication of the soft tissues.

In particular, this lesson will cover the following topics:

- How to manage defects without keratinized tissue
- How to manage defects with very small isthmuses
- How to manage defects with no supracrestal soft tissue
- Decision-making process for treating infrabony defects in the aesthetic area
- Combined technique: Connective Tissue Wall Technique + Coronally Advanced Flap

Video Lesson 6 - (58min)

Description:

This clinical case will present a patient with papilla recession treated with minimally invasive therapy.

The protocol for the correct opening of the papilla will be shown, and how to choose between the MIST and Modified MIST techniques based on the defect morphology will be explained.

By the end of the presentation, participants will understand how a purely regenerative surgery was performed without any mucogingival intervention; the tissues were never touched.

In particular, this lesson will cover the following topics:

- Mapping the defect to identify the position of the walls

- Indications for the mucogingival approach in regenerative therapy

Video Lesson 7 - (1h 5min)

Description:

In this presentation, the treatment of a papilla that has lost height but still has a good amount of keratinized tissue will be shown.

The use of a Tunnel instrument to lift the papilla to a full thickness and achieve dual lateral access to work underneath the papilla will be demonstrated.

The goal of this technique is to create a tunnel from the groove of one tooth to the adjacent tooth's groove, maintaining absolute integrity.

In particular, this lesson will cover the following topics:

- Creating the Tunnel
- Mobilizing the apex of the papilla coronally
- Root planing phase
- Inserting the connective tissue graft into the tunnel
- Stabilizing the vestibule and final positioning of the papilla

Video Lesson 8 - (14min)

Description:

What options are available when there are unfavorable anatomical conditions associated with the treatment of the infrabony defect.

The CAF technique with a coronally advanced flap at the level of the lower incisors will be shown.

In particular, this lesson will cover the following topics:

- De-epithelializing the lingual papillae with a bur
- Use of ADTA and amelogenis

Video Lesson 9 - (40min)

Description:

In this clinical case, a very deep infrabony component at the level of the canine, with both the absence of the vestibular bone wall and vestibular bone dehiscence, will be shown.

In particular, this lesson will cover the following topics:

- Preparing the patient to minimize recession of the soft tissues
- Verticalizing the supracrestal soft tissue
- Intraoperative root planing
- Palatal graft to achieve the barrier effect of the clot

Video Lesson 10 - (1h 11min)

Description:

In this clinical case, the treatment of infrabony defects associated with a significant supra-osseous component will be discussed.

Professor Zucchelli will demonstrate the execution of the Wall Technique in the upper arch with a bisected palatal incision.

In particular, this lesson will cover the following topics:

- Diagnosis of the defect to guide non-surgical treatment
- Designing the palatal flap involving two papillae to access the defect
- Isolating the defect, degranulation, and root planing

Video Lesson 11 - (39min)

Description:

In this final clinical case, a patient with severe periodontitis will be treated with a mucogingival approach to regenerative therapy to prevent possible post-operative aesthetic defects



Scan the code
and enter the
course

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GIOVANNI ZUCHELLI



Author's Bio:

Professor Giovanni Zucchelli is one of the world's leading experts in the diagnosis, prevention, and treatment of periodontal disease and gingival tissues around teeth and implants.

