

Interproximal attachment gain and **papilla reconstruction**

Giulio Rasperini
& Emilia Kazarian



Interproximal Attachment Gain and Papilla Reconstruction

By Prof. Giulio Rasperini and Dr. Emilia Kazarian



SUMMARY



Topic:

Something more than everyday Parodontology: 3D Tunnelling Technique, new concepts and paradigm shift



Objectives:

New concepts and paradigm shift in the management of periodontal disease
The evolution of periodontal surgical techniques
Preserve and rebuild papilla and interdental tissue attachment
Know when is it truly necessary to extract teeth
Put infection under control through one-stage full-mouth disinfection and to slow or stop perimplantitis progression
Manage residual pocket depths
Treat type 3 recessions on upper and lower jaw
Regrow the interproximal attachment in teeth with suprabony defects and no intrabony component of the defect
Regrow the papilla in the upper jaw
Significantly improve patient quality of life



WHY TO ENROL:

1- You will learn how to approach periodontal disease in a modern and effective way by adopting evidence-based techniques for early diagnosis and management.

2- You will gain insights and tips & tricks for performing the 3D Tunneling Technique, an approach to managing deep attachment loss in challenging cases where pockets are present, but the papilla is absent

3- You'll be able to reconstruct the papilla, focusing not only on its preservation but also on regenerating the interdental tissue attachment, which is the most challenging and difficult aspect to restore.

LEVELS

Difficulty Advanced

Theory ●●●●●

Practice ●●●●●

KEY INFO



English



On Demand



Periodontics



More than 7h



7 video lectures + 1 ReLIVE Surgery

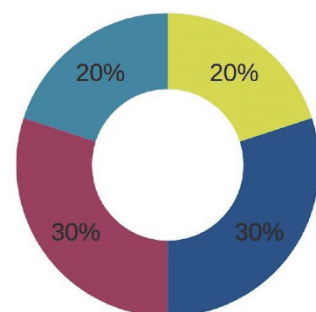


Clinical Yes



NO

SKILLS YOU WILL LEARN



■ 3D Tunnelling Technique

■ Interproximal Attachment Gain

■ Papilla Reconstruction

■ Perio Regeneration: Hard and Soft Tissues



Channel Description:

Prof. **Rasperini** and Dr. Emilia **Kazarian** are pleased to present a new learning experience focused on the **latest** and most **innovative techniques** to achieve the **interproximal attachment gain** and to rebuild the **papilla**.

Through an evidence-based approach, participants will understand how to **preserve natural teeth**, improve clinical outcomes, and redefine the standards for success in periodontology shifting away from traditional resective techniques to embrace **regeneration as the new standard**. Participants will gain insights into the management of **periodontal diseases**, from **early diagnosis** based on interproximal attachment loss to advanced strategies for treating **gingival recession** and papilla loss.

A key theme throughout the lectures is the integration of cutting-edge **biomaterials** and techniques, tailored to address diverse phenotypes and complex clinical scenarios.

Topics include managing **papilla loss**, simultaneous treatment of **infrabony and soft tissue defects**, and minimizing complications associated with regenerative procedures.

In particular, thanks to several clinical videos and to the **final ReLIVE Surgery, 3D Tunnelling Technique** is explored in detail so that participants can experience every step of the procedure from start to finish and get insights of its **execution** and **potential** in papilla and interproximal attachment reconstruction.

In particular, this course will focus on:

- New **concepts** and **paradigm shift** in the management of periodontal disease
- The **evolution** of periodontal surgical techniques
- Decision making for the treatment of **interdental attachment loss**

- **Soft tissue and bone regeneration:** protocols, timing and biomaterials
- New concepts and paradigm shift in periodontics: **3D Tunnelling Technique**
- Role of **microsurgical approach** in periodontal regeneration and mucogingival surgery
- Classification of **furcation defects**
- Furcation defects: **regeneration**, premolarisation and root resection

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

- **Preserve and rebuild papilla** and interdental tissue attachment
- Know when is it truly necessary to **extract teeth**
- Put infection under control through **one-stage full-mouth disinfection** and to slow or stop perimplantitis progression
- Manage residual **pocket depths**
- Treat **type 3 recessions** on upper and lower jaw
- Regrow the **interproximal attachment** in teeth with suprabony defects and no intrabony component of the defect
- **Regrow the papilla** in the upper jaw
- Simultaneously regrow **bone and soft tissue**
- Deal with **black triangles, gingival asymmetry**, and phonetic challenges

Who is the course for?

Participation in this learning experience is highly recommended for **oral surgeons, periodontists**, and **implantologists** with prior clinical experience who wish to deepen their knowledge of the latest and most advanced techniques for managing **peri-implant disease** and furcations, **reconstructing the papilla**, and **regenerating interproximal attachment**.

Ok, but how does it work?

This **7 hour** course is divided into **7 theoretical lectures** and **1 final ReLIVE Surgery** 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 - Redefining the concept of hopeless tooth (56min)

Prof. Rasperini

Description:

In this first video lecture, Prof. Rasperini will **redefine the concept of hopeless tooth** by introducing a **paradigm shift** in the management of periodontal disease.

Participants will deepen the importance of focusing on **preserving natural dentition** and **re-evaluating tooth extractions**.

The lesson delves into the **diagnosis** and **classification** of periodontitis, highlighting the critical issue of interdental attachment loss rather than the traditional focus on **pocket depth**.

Treatment goals will be discussed and, thanks to **several clinical videos**, Prof. Rasperini will show how to achieve infection control, reduce plaque levels and slow or stop the **progression of periodontal disease** also managing residual pocket depths.

In particular, this lesson covers the following topics:

- A **new definition of success** in Periodontology
- The management of severely **compromised teeth**
- How to **treat and re-evaluate teeth** before considering extraction
- **Diagnosis** and **classification** of perimplantitis
- How to identify the disease by observing the **interproximal attachment loss**
- **Treatment goals**, phases and the complete data collection

Video Lecture 2 - The challenge of the interproximal attachment gain (1h 10min)

Description:

This video lesson explores a **transformative shift in periodontal regeneration**, moving beyond a sole focus on intrabony defects to emphasize the importance of interproximal attachment.

The discussion delves into the challenges of **gaining interproximal attachment** and traces the evolution of techniques and biomaterials designed to address **complex periodontal conditions**.

Prof. Rasperini will provide participants an **overview of regenerative procedures over time**, highlighting foundational studies in guided tissue regeneration and the essential elements for successful wound repair.

The lesson examines the **causes of papilla loss** and outlines the clinical parameters to consider, such as **papilla height**, width, phenotype, and keratinization.

The evolution of techniques and **biomaterials** is explored, showcasing how advancements have enabled the simultaneous treatment of intrabony and soft tissue defects.

A detailed comparison between **Emdogain and membranes** underscores Emdogain's advantages, including fewer complications and comparable surgical outcomes, supported by 25 years of follow-up data.

In particular, this lesson covers the following topics:

- The challenge of **interproximal attachment gain** and the evolution of techniques and biomaterials
- **Guided tissue regeneration** key studies over time
- Basic elements for **wound repair**
- Which is the cause of **papilla missing**?

Video Lecture 3 - Advancements in regenerative materials and approaches (1h 2min) Prof. Rasperini
Description:

In this video lecture, Prof. Rasperini explores how **advancements in regenerative materials** and **approaches** have enhanced clinical outcomes and minimized complications.

Membrane-related complications are also discussed, providing insights into their impact on regenerative procedures.

Practical strategies for **managing papilla loss** in cases of intrabony defects are presented, with techniques tailored to specific phenotypes. For thick phenotypes, approaches such as the **Soft Tissue Wall Technique** and **CA+EPPT** are examined.

For thin phenotypes, solutions include Soft Tissue Wall combined with Connective Tissue (CT), Connective Tissue Wall, CA+EPPT, and AICAST.

This lesson provides a comprehensive overview of **state-of-the-art techniques and biomaterials**, providing clinicians with the knowledge to optimize periodontal regeneration outcomes while addressing diverse clinical challenges.

In particular, this lesson covers the following topics:

- The simultaneous treatment of **both infrabony** and **tissue defects**
- How to manage **membrane complications**
- A comparison between the use of **Emdogain and membranes**
- What to do in case of **papilla loss, thin** phenotype and infrabony defect?
- What to do in case of **papilla loss, thick** phenotype and infrabony defect?

Video Lecture 4 - Papilla loss and intrabony defect treatment possibilities (22min) Prof. Rasperini
Description:

This video lecture provides a **historical overview** of the treatment options for cases **involving papilla loss** and **intrabony defects**, tracing the evolution of techniques and approaches in periodontal therapy.

Special attention is given to the **Tunnel Technique**, designed to manage deep attachment loss in challenging cases where pockets are present, but the papilla is absent.

The importance of **respecting soft tissues** throughout the treatment process will be emphasized and participants will understand when to

prescribe antibiotics and how to **simultaneously treat intrabony and soft tissue defects**.

In particular, this lesson covers the following topics:

- **Deep attachment loss** and no papilla: Tunnel Technique
- The proper **healing time** before undergoing surgery
- The treatment of **infrabony defects** with simplified approaches
- The simultaneous treatment of both **infrabony** and **soft tissue defects**

Video Lecture 5 - Periodontitis: the sixth most common disease in humanity (59min) Dr. Kazarian

Description:

This video lecture focuses on **periodontitis**, the sixth most common disease worldwide, affecting over 50% of the population.

Dr. Kazarian emphasizes the critical importance of **early diagnosis**, explaining that **interproximal attachment loss** evaluation is the only reliable method for early detection, as **radiographic imaging** and CBCT are insufficient.

The role of **normal probing** in the initial assessment is also highlighted, alongside an overview of sulcus, junctional epithelium, and ligament morphology in a **healthy periodontium**.

The **progression from periodontal health** to disease is explored, starting with plaque accumulation and gingivitis and the differences between gingivitis and periodontitis are clearly outlined.

Participants will understand how treatment begins with **non-surgical therapy**, focusing on reducing inflammation without invasive procedures or addressing gingival recessions.

Clinical pathways following non-surgical treatment are presented as well as the factors critical for surgical success in periodontal regeneration, such as **flap and clot stability**, defect access, and **primary intention healing**.

In particular, this lesson covers the following topics:

- How to **early diagnose** periodontal diseases?
- Clinical options after **non-surgical treatment**
- Factor of **surgical success** in periodontal regeneration
- Gingivitis VS **Perimplantitis**
- **Non-surgical initial therapy** to remove the inflammation

Video Lecture 6 - Gingival papilla reconstruction (55min) Dr. Kazarian **Description:**

This video lesson explores the revolutionary **shift in periodontology**, moving from resective techniques, once the gold standard, to advanced regenerative procedures.

A highlight of the lesson is the **3D Tunnelling Technique**, demonstrated through **clinical videos**. This technique, performed from the buccal, lingual, and interdental sites, is designed to move interdental tissues coronally and maintain them without tension—making it the only reliable method for papilla reconstruction in the **lower jaw**.

The session also includes an overview of the **specialized instruments** used for buccal and lingual tunnelling and the precise positioning of grafts.

The **functional and aesthetic implications of gingival recession** and papilla loss are discussed, including black triangles, gingival asymmetry, food impaction, phonetic challenges, and increased plaque accumulation, all of which heighten the risk of periodontal issues.

In particular, this lesson covers the following topics:

- How to **regenerate tissue** by moving it coronally while addressing buccal exposure
- **Interproximal tissue regeneration** and clinical attachment level improvement
- Functional and aesthetic implications of **gingival recession** and **papilla loss**
- **3D Tunnelling Technique surgical protocol** and proper instrumentation

Video Lecture 7 - Advancing Periodontology: Regenerative Techniques for Gingival and Papilla Reconstruction (31min) Dr. Kazarian

Description:

This comprehensive video lesson delves into the **evolution of periodontal treatment**, focusing on cutting-edge methods to regenerate and thicken gingival tissue, address buccal exposure, and restore interproximal tissue—the **most challenging area to regenerate**.

A highlight of this lesson is the introduction to **3D Tunnelling**, a revolutionary technique that enables the **coronal movement of interdental tissues** while maintaining stability and tension-free results.

In particular, this lesson covers the following topics:

- Predictable outcomes for recession types (RT1, RT2) and challenges in **RT3**
- The **impact of papilla loss** on aesthetics and function (black triangles, asymmetry, plaque accumulation).
- **3D Tunnelling**: a technique to move and stabilize interdental tissues coronally, restoring papillae, especially in the lower jaw.
- **Clinical videos** demonstrating instrumentation, graft positioning, and tailored approaches for different phenotypes.

Video Lecture 8 - ReLIVE Surgery: 3D Tunnelling Technique (1h 31min)

Description:

The channel concludes with a **ReLIVE Surgery** that provides a detailed, **step-by-step** demonstration of the **3D Tunneling Technique**, offering a comprehensive understanding of its application in **papilla reconstruction**.



Scan the code and
enter the course

Interproximal attachment gain and **papilla reconstruction**

**Giulio Rasperini
& Emilia Kazarian**



Authors Bio:

Prof. Giulio Rasperini is a world-renowned specialist in the field of Periodontology and Implantology, Regenerative Medicine and Surgical techniques for periodontal and peri-implant reconstruction. Author of over 108 papers focused on Periodontology and Implantology, lectured extensively in the five Continents.

Emilia Kazarian DDS is a maxillofacial surgeon. She's a lecturer for the University of Milan, published papers on periodontal microsurgery. She's the Inventor of the 3D-tunneling surgical technique.

