

GIOVANNI ZUCHELLI

MARTINA STEFANINI



FAILURE AND SUCCESS IN PERIODONTAL AND PERI-IMPLANT SOFT TISSUE SURGERY

**PROTOCOLS AND TRICKS FOR AVOIDING AND
TREATING ERRORS AND COMPLICATIONS**



Failure and success in periodontal and peri-implant soft tissue surgery

By Prof. Giovanni Zucchelli and Dr. Martina Stefanini



SUMMARY



Topic:

Protocols and tricks for avoiding and treating errors and complications.



Objectives:

- Surgical risk factors
- Intra-operative complications related to nerve structures
- Management of implant complications and failure
- Diagnostic errors in immediate and delayed implants in the esthetic zone
- Step-by-step analysis of clinical cases of treatment failure
- Manage all types of complications in the treatment of gingival recessions
- Solve intraoperative perforations
- Understand the anatomy of relevant nerve structures



About the author:

Prof. Giovanni Zucchelli DDS, PhD is an innovator of several soft tissue plastic surgical techniques and is also author of more than 100 publications in Pubmed. He's globally recognized as one of the most important periodontist in the world.

LEVELS

Difficulty Intermediate



Theory ●●●●●

Practice ●●●●●

KEY INFO



English



On Demand



Periodontics - Mucogingival



8h 30min



10 Theory lectures + 1 Hands-On

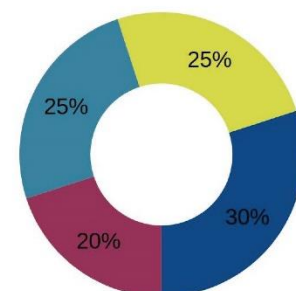


Clinical Yes



NO

SKILLS YOU WILL LEARN



- Post-extractive Implants
- Recognize and Manage Failures
- Complications and Errors
- Mucogingival Surgery



Why to enroll:

- Thanks to this video course, you'll be able to deal with a **wide range of pre-, intra- and post-operative complications** without any problem.
- You will gain the **competence to recognize, avoid and manage treatment failures** both in immediate and delayed implant placement
- Participants will have the opportunity to observe **several clinical cases** thanks to which they will appreciate **Prof. Zucchelli's standardize protocols**.

Description of the course:

What are the main risks that lead to failure in mucogingival and peri-implant surgery?

Prof. Giovanni Zucchelli and Dr. Martina Stefanini welcome you to *Success and Failure in Periodontal and Peri-Implant Soft Tissue Surgery*, the course dedicated entirely to the **prevention and management of pre-, intra- and postoperative complications** in the treatment of gingival recessions as well as in immediate and delayed implant placement.

The specialists present and describe the different **risk factors underlying surgical failure** through a combination of theoretical lectures, clinical cases and a hands-on video, and analyze the errors that may occur during the diagnostic, surgical, maintenance, and follow-up phases.

Join Prof. Zucchelli and Dr. Stefanini and discover how to manage the most common complications in a **predictable, fast, minimally invasive, and stress-free way!**

The course includes:

- **10 theoretical** video lectures
- **1 Hands-On** video on a pig jaw
- Several **clinical clips**

In particular, during this course, the lecturers will speak about:

- Surgical **risk factors**
- **Intra-operative complications** related to **nerve** structures
- Management of **implant complications** and failure
- **Diagnostic errors** in immediate and delayed implants in the esthetic zone
- Step-by-step analysis of clinical cases of **treatment failure**

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

- Recognize and manage **surgical risk factors**
- **Manage all types of complications** in the treatment of gingival recessions
- Solve intraoperative perforations
- **Understand the anatomy** of the inferior alveolar nerve and the infra-orbital nerve
- Treat malpositioned implants
- Plan and perform **computer-guided implant surgery**
- **Who the course is addressed to:**
- The course is recommended to **all surgeons** who perform **mucogingival** and **peri-implant** treatments daily and who wish to receive a comprehensive update on the **prevention** and **management** of surgical **complications** and **failure**.

OK, but how does it work?

This is a **5h 30** video course divided into **10 theoretical lectures** and **1 Hands-On on a pig jaw** that you can watch by accessing your course area from any device and download from the osteocom app available for iOS and Android.



Video Lectures:

Video Lecture 1 - Pre-surgical complications prevention (50min)

Description:

In this **first video lecture** of the course, the focus of the lecturer will be on the **strategies** to avoid **medical errors** and to prevent **complications'** occurrence. Thanks to this lecture, participants will understand that complications can occur in three different treatment phases: **pre**, **intra** and **post-surgery**.

Here, the **pre-surgical phase** will be analysed, highlighting those strategies that must necessarily be implemented in order to **minimize** the **risk of complications** and **errors**; the patient's **medical** and **pharmacological history**, diagnosis and prognosis, analysis of **systemic diseases** and **local factors** will be discussed in detail.

In particular, this lecture focuses on the following topics:

- **Errors** in **diagnostic** and **prognostic evaluation** leading to the formulation of a failed treatment plan

- The correct **preliminary medical examination**: systemic diseases, local factors, bad habits and patients' pharmacological history
- The importance of making a **diagnosis** based on **correct benchmarks**
- Errors of **prognosis** in **mucogingival surgery**

Video Lecture 2 - Intra-operative complications (1h 11min)

Description:

According to Prof. Giovanni Zucchelli, **intra-operative complications** are the most **stressful** for the surgeon as they require an **immediate management**.

Participants will have the opportunity to learn the most **frequent** and **complex complications** including intra-operative **bleeding**, **nerves damages** and **perforations**.

Usually, these complications are caused by a **lack of skills on the surgeon's side** but several techniques, to be put into practice during the **preliminary planning phase**, will be shown to prevent them.

A special focus will be paid to the management of **excessive bleeding**, a phenomenon that is not particularly dangerous for the patient but that represents a great **obstacle for the operator**, and to the **palatal graft retrieval phase**, a crucial step that can cause serious problems if not performed according to the due standard protocol, and to the management of **intra-operative perforations**, for which a table will be provided containing the **anatomical parameters** that impact on the complexity of the surgery.

In particular, this lecture focuses on the following topics:

- The **excessive bleeding** and the need for precise incisions
- The correct surgical techniques for **palatal withdrawals**: Trap-door, L-Technique and Envelope
- How to **control bleeding** during graft harvesting
- **CAF difficulty score**: anatomical parameters that determine the degree of complexity of a surgery

Video Lecture 3 - Perforations management (42min)

Description:

Perforations are the most **frequent complications** in **mucogingival surgery** and in this video lecture, several **clinical clips** will be shown as examples to clarify to the participants which are the most **delicate steps** in which the risk of perforation increases significantly; the execution of the **deep split thickness** and the **detachment of the muscular insertion** from the periosteum in primis.

Participants will be able to deepen their knowledge about the **clinical protocol** to be followed when realizing that a perforation has occurred.

In the final part of the video lecture, Prof. Zucchelli will show a clinical video through which he will illustrate to participants the possible perforation caused by the **detachment of well-adherent muscle structures** that cause fragility to the mucosa.

In particular, this lecture focuses on the following topics:

- **General rules** for resolving intra-operative perforations
- **What to do** when you realize that a **perforation** has occurred?
- What are the areas where the **risk of perforation** is greatest?

Video Lecture 4 - Intra-operative complications due to nerve structures damages (32min)

Description:

This video lecture focuses on the **prevention of intra-operative complications** related to damage to **nerve structures**, paying particular attention to the **inferior alveolar nerve** in the chin area and the **infra-orbital nerve**.

Prof. Giovanni Zucchelli will comment in a step-by-step mode a clinical video showing the treatment of a **multiple gingival recession** in the **lower arch**.

In particular, this lecture focuses on the following topics:

- The respect of the **inferior alveolar nerve** in mucogingival surgery
- The **anatomy** of the inferior alveolar nerve and the infra-orbital nerve
- The correct **surgical protocol** for the management of **multiple gingival recessions** in the lower arch

Video Lecture 5 - Post-surgical complications (26min)

Description:

Thanks to this presentation, participants will deepen their knowledge about a **wide range of post-surgical complications** that may happen immediately after the **treatment's finalization** such as pain, bruising, swelling and early bleeding.

In the second part of the lecture, on the other hand, a specific focus will be placed on **delayed post-surgical complications** such as flap dehiscence, scars appearance, partial root coverage, hypersensitivity and exostosis.

In particular, this lecture focuses on the following topics:

- How to manage and **prevent post-surgical complications**

- How does **treatment length** can influence pain and swelling appearance?
- When does **graft exposure** occur?

Video Lecture 6 - Recessions and palatal necrosis (21min)

Description:

In this video lecture participants will observe a **clinical clip** thanks to which Prof. Zucchelli will show how to face an **exposed palatine root** went into **necrosis**.

The **treatment protocol** to cover the recession with an **enveloped palatal flap** will be shown, then **Follow-Up at 3 months** will be discussed and participants will notice the complete healing of the palatal tissue.

Video Lecture 7 - Complications and errors in peri-implant soft tissues management (45min)

Description:

Prof. Zucchelli will discuss **soft tissue management complications** in mucogingival surgery.

Several clinical case will be shown and participants will see how **peri-implant soft tissue dehiscences** appearance and they will have the chance to discover the **rationale** behind the correct operative treatment, based on the proper **peri-implant papillary dimension** and implant position.

Video Lecture 8 - Misplaced implants management (1h 30min)

Description:

This lecture's focus will be on **misplaced implants management** with particular attention paid to too **apical placed** implant and too **coronal** one.

Participants, helped by **several clinical clips**, will discover how to **treat misplaced implants** with loss of papilla in both mesial and distal direction.

Video Lecture 9 - Complications due to misplaced palatal grafts (1h 23min)

Description:

A **misplaced graft** could lead to the gingival exposure of the entire grafted part, causing an **unesthetic texture** between the soft tissue and the **exposed portion of the graft**.

In this comprehensive video lecture, the **reasons leading to such exposure** will be discussed; the graft might have been **disepithelized incorrectly** or the clinician might have made mistakes during the **drilling phase**.

Video Lecture 10 - Mucogingival approach for immediate implants placement (20min)

Description:

Prof. Zucchelli's mucogingival approach will be shown in this video lecture and participants will notice that this technique is based on the **coronally displacement** of the envelope flap and the placement of the **connective graft** which allows the overcoming of the **limitations** traditionally associated with **post-extractive implants**.

Participants will also be able to observe the steps of **guided implant surgery planning**.

Video Lecture 11 - Hands-On on a pig jaw (min)

Description:

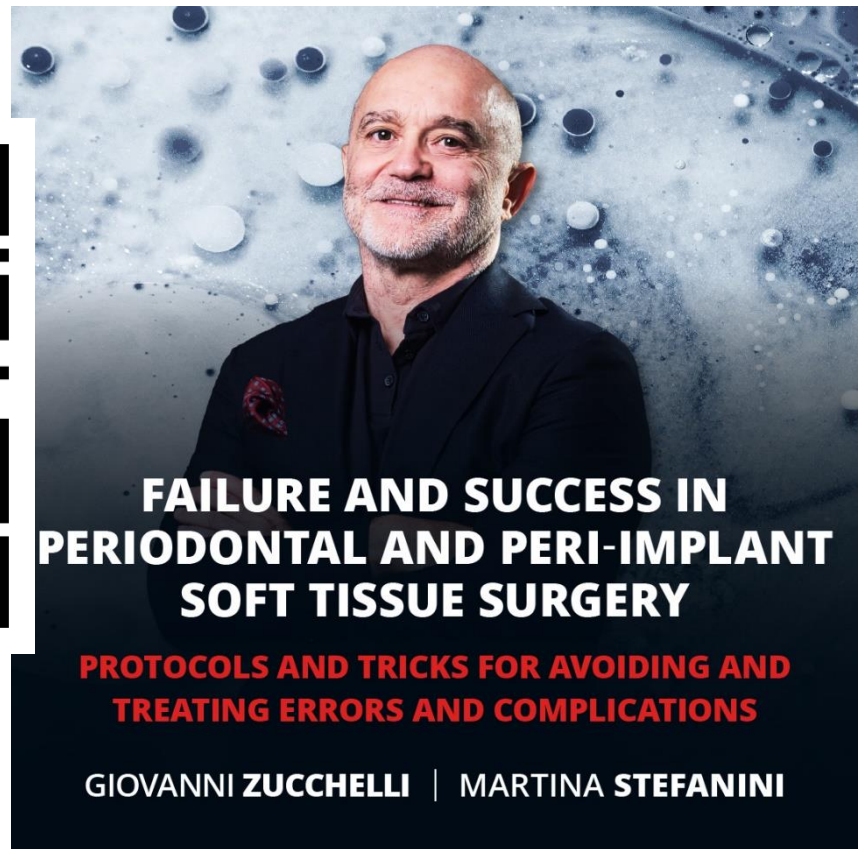
This learning experience ends with an **Hands-On on a pig jaw** that will allow participants to observe the **palatal graft incision protocol**.

Every treatment phase will be discussed by Prof. Zucchelli in a high didactic and detailed way.

Participants will appreciate the **design phases** of the **distal and mesial junctions**, disepithelization and the subsequent **suturing**.



Scan the code
and enter the
course



Author's Biography:

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