

A portrait of Prof. Giovanni Zucchelli, a middle-aged man with a grey beard and balding head, wearing a dark blue blazer over a dark blue shirt. He is smiling slightly and has his arms crossed. A red patterned pocket square is visible in his blazer. The background is a dark, textured surface with a reddish-brown hue.

OSSEOUS RESECTIVE SURGERY

Prof. **Giovanni Zucchelli**

10 CE
CREDITS

Osseous resective surgery

By Prof. Giovanni Zucchelli



SUMMARY



Topic:

Bone resective surgery for esthetic and functional clinical crown lengthening.



Objectives:

- Identify and manage your patients bone defects
- Eliminate periodontal pockets
- Reshape bone morphology to facilitate future mucogingival surgery
- Perform clinical crown lengthening to improve smile esthetics and function
- Adopt innovative protocols such as "In&Out" drilling technique and FibRE-ORS
- Correctly understand the anatomical characteristics of soft and hard tissues
- Preventing failures in periodontology



WHY TO ENROLL:

1. This course will enable you to fully understand the indications and contraindications for periodontal surgery and you will be able to prevent treatment failures.
2. You will confidently handle crown lengthening techniques on both single and multiple teeth, using the appropriate techniques.
3. At the end of the course you will be able to fully manage the removal of dental pockets to achieve better aesthetic and functional outcomes.

LEVELS

Difficulty Advanced

Theory ●●●●

Practice ●●●●●

KEY INFO



English



On Demand



Periodontology - Mucogingival



10h



11 theoretical lectures

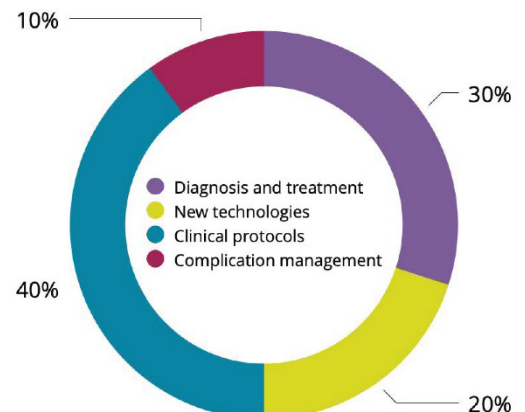


Surgery Yes



NO

SKILLS YOU WILL LEARN





Professor Giovanni **Zucchelli** and **osteocom** welcome you to this new video course that will delve into the world of **osseous resective surgery**.

You will receive a **comprehensive** and **specialized training** on how to perform an effective, safe and predictable **clinical crown lengthening** to enhance your patients' smile **aesthetics** and **functionality**.

Osseous resective surgery procedures shown on this course are preparatory to performing **correct clinical crown lengthening** because they **restore** a correct bone **tissue morphology**.

Several **clinical videos** will be presented, allowing you to appreciate the **treatment protocols** adopted by Prof. Zucchelli to eliminate **anatomical discrepancies** and reshape **periodontal tissues**.

Find out how to **make your mucogingival surgical procedures more efficient and easier to perform** by preliminarily tackling the **underlying bone defects** thanks to the osseous resective surgery techniques you will master at the end of this course.

By attending this course, you will deepen your knowledge of:

- **Biological width** and early restorative phase (**clear**)
- Clinical **crown lengthening** and interdental **papilla regeneration**
- Passive **altered eruption** diagnosis
- **Gummy smile** surgical treatment
- Resective surgery in **natural dentition**
- **Distal wedge** procedure and the **thinned palatal flap**
- **Apically** positioned flap
- **Pre-prosthetic** osseous resective surgery

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

- Identify and manage your patients' **bone defects**
- Eliminate **periodontal pockets**
- Reshape **bone morphology** to facilitate future mucogingival surgery
- Perform clinical crown lengthening to improve **smile aesthetics and function**
- Adopt innovative protocols such as **"In&Out" drilling** technique and **FibRE-ORS**
- Correctly understand the **anatomical characteristics** of **soft and hard tissues**
- Preventing **failures in periodontology**

Who the course is addressed to:

The video course is aimed at **all professionals** who already perform routine **periodontal and implant therapies**.

Specifically, the course is particularly recommended for all those who would like to learn more about **anatomical, diagnostic and prognostic concepts** for correct advanced **restorative surgical therapy**.

This course includes:

- **11 theoretical video lectures** with several **clinical videos** showed and discussed in detail

**Video Lectures:****Video Lecture 1 – Clinical crown lengthening osteoplasty indications (45min)****Description:**

In this first video lecture, Prof. Zucchelli will discuss the **two areas** of **resective surgery** on natural teeth: **osseous resective surgery** and **clinical crown lengthening**.

He will also discuss in detail the reasons why **osteoplasty** should be preferred over the more incorrectly used **ostectomy** to treat periodontal patients.

In particular, this lesson covers the following topics:

- Which **factors** should be considered before starting **resective surgery** on a **natural tooth**?
- **When** to proceed with **clinical crown lengthening**?
- What is the **main goal** of resective surgery?
- The importance of **osteoplasty** to avoid the **risk of peri-implantitis**
- The **advantages** of a **correct gingivectomy**
- **Root anatomy** radiographic evaluations

Video Lecture 2 - Thinned palatal flap with ridge advancement (50min)**Description:**

In this presentation, Prof. Zucchelli will discuss **several techniques** for **apical soft tissue repositioning** through paramarginal incisions and the use of a **thinned palatal flap**.

Risks, good and bad **clinical habits** and the importance of a perfect **initial incision design** will be analysed thanks to numerous clinical videos.

In particular, this lesson covers the following topics:

- How to correctly **design incision lines**
- Differences between **horizontal palatal incisions** and the vertical ones
- How to **apically replace** vertical palate
- Factors who influence **palatal flap design**
- The risk of damaging the **palatine artery** by performing resective surgery

Video Lecture 3 - Osteoplastic treatment for the elimination of the bone wall defect (15min)

Description:

Thanks to this video lecture participants will learn more about the techniques for a correct **osteoplasty** and **osteotomy** with particular reference to **drilling and suturing protocols**.

An innovative drilling technique such as the **“In&Out” technique** will be discussed.

In particular, this lesson covers the following topics:

- **In&Out** drilling technique
- Restoration of **correct bone architecture** through removal of supporting bone
- **Osteoplasty phases** and creation of bone showers
- **Osteotomy** to accentuate **incision contours** and eliminate bone peaks
- **Mattress** suture technique

Video Lecture 4 - Video Surgery with commentary: osteoplasty treatment for wall bone defect removal (40min)

Description:

In this lecture a **surgical video** showing an **osteoplasty treatment** will be presented. Prof. Zucchelli's goal will be the removal of wall bone defect.

Participants will thus see the **theoretical knowledge** learnt from the previous lessons put into practice.

In particular, this lesson covers the following topics:

- How to incise the **palatine flap**
- How to operate a **mesial flap**
- How to draw and open the **surgical papilla area**
- How to detach the soft tissue of the **secondary palatine flap**
- How to separate the **distal wedge** from the **bone plate** avoiding vascular problems
- In&Out **drilling technique**

Video Lecture 5 - FibRE-ORS surgical technique (10min)

Description:

In this fifth video lecture the **FibRE-ORS technique** will be introduced.

This innovative methodology involves using the **fibres** present in the most apical part of the tooth to determine the In&Out, i.e. the position where the **cylindrical flat-head drill** should be inserted to bring the bottom of the **infrabony defect to the exterior**.

In particular, this lesson covers the following topics:

- **Identify** the **supracrestal connective fibre** system underlying the infrabony defect
- How to **reduce post-operative sensitivity** by using ultrasonic tips to grind the tooth
- What to do when the fibres are inserted into the **base of the infrabony defect**

Video Lecture 6 - Biological width and supracrestal attachment tissue (1h)

Description:

Three weeks after resective surgery, the **maximum possible clinical crown lengthening** is achieved.

In the following months the crown lengthening will gradually decrease due to the formation of the **soft tissue rebound**.

Prof. Zucchelli therefore explains how convenient it is to take **advantage of this provisional crown lengthening** to do quick restorative procedures **comfortably and safely** when permanent crown lengthening is not desired

In particular, this lesson covers the following topics:

- **Biological width**: myth or scientific evidence?
- Why can't we penetrate the area of the **supracrestal attachment tissue**?
- How does **bone resorption** reform the supracrestal attachment?
- What happens when we interfere with the connective attachment zone?
- **"The 3mm dogma"** in clinical crown lengthening therapy
- **Soft tissue rebound** in the interproximal area

Video Lecture 7 -Factors influencing papillae growth (30min)

Description:

In this video lecture Prof. Zucchelli will discuss **factors influencing papillae growth** between two **prosthetic elements**.

Different positive and negative **possible scenarios** will be presented with clinical videos with detailed commentary.

In particular, this lesson covers the following topics:

- How to cause **spontaneous convergence** between abutments
- **Abutment characteristics** influencing convergence
- Creating a **convergent space** for papillae to grow
- **Preparation of abutments** and relining temporaries
- Case finalization and after surgery **Follow-Up**

Video Lecture 8 - Single-tooth clinical crown lengthening (45min)

Description:

Single tooth clinical crown lengthening is a resective surgery that requires great attention to the adjacent teeth.

In this video lesson, a surgical video with commentary by Prof. Zucchelli for single tooth crown lengthening with **major osteoplastic** treatment and **minimal ostectomy** will be presented.

In particular, this lesson covers the following topics:

- **Incision protocol** to remove the secondary palatal flap
- **Drilling protocol** with different size and grain types
- Reducing buccolingual and **papilla bone thickness**
- Importance of **osteoplastic treatment**
- Prevent excessive **soft tissue regrowth**

Video Lecture 9 - Clinical video: Perio-Restorative Surgery (2h 45min)

Description:

In this extensive video lecture, Prof. Zucchelli will explore in detail **3 different approaches** that characterize **perio-restorative surgery** by presenting a video resective surgery in the frontal and lateral area.

A specific focus will be given to the relationship between **surgeon and prosthodontist**.

In particular, this lesson covers the following topics:

- Why should the treatment option with **intraoperative preparation** of the **abutments** be excluded?
- The importance of **early preparation** with **interproximal convergence** modification

Video Lecture 10 - Clinical video: step-by-step resective surgery (50min)

Description:

In this lecture, a case documented by a **long surgical video** with **commentary** by Prof. Zucchelli will be presented.

The treatment will be analysed step by step, from **incision techniques** to **suture protocols** up to prosthetic finalization.

In particular, this lesson covers the following topics:

- The risks of damaging the **palatine artery** during **palatal flap thinning**
- Locating and removing the **distal wedge**
- **Intra-sucular incisions** to remove the secondary palatal flap
- Removal of **vestibular bone** in teeth
- The "**apical mattress**" **suture** technique to move the flap coronally

Video Lecture 11 - Passive altered eruption: diagnosis and treatment (45min)

Description:

In this last video lecture of the course, Prof. Zucchelli will show an **overview** of **altered passive eruptions**, illustrating their possible **causes**, **diagnostic** and **therapeutic processes** and different classifications, including a final clinical video as a teaching example.

In particular, this lesson covers the following topics:

- What is **passive altered eruption**?
- The possibility of **developing gingival recession**
- What happens when the **maxillary bone grows vertically**?
- How to **diagnose** the passive altered eruption
- **Classification** of the **different types** of passive altered eruption



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and enter the
course

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CREDITS**

Author Biography:

World-renowned **Professor Giovanni Zucchelli** has revolutionized the field of periodontology. His ground-breaking diagnosis, prevention and treatment of issues related to soft tissues, teeth and implants are now extensively utilized around the globe.

