B.O.P.T.® Prosthetic Technique: A clinical approach for teeth and implants

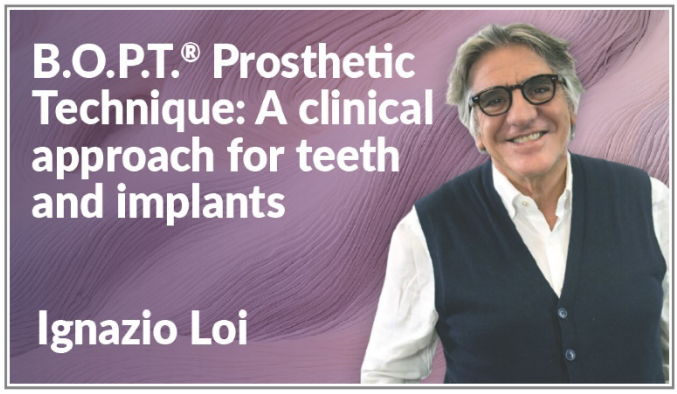
Ignazio Loi



osteocom

B.O.P.T. Prosthetic technique: a clinical approach for teeth and implants

By Dr. Ignazio Loi



LEVELS

Difficulty Advanced

Theory ●●●●●

Practice ●●●●

KEY INFO

English

On Demand

Prosthodontics

10h

13 video lectures

Clinical No

NO

SUMMARY

Topic:

Discover the concept that revolutionized the relationship between restoration and soft tissues by eliminating the limitations of horizontal preparations

Objectives:

- B.O.P.T.®: the biological approach to vertical preparation
- Potential and advantages in prosthetic, surgical, conservative, and aesthetic fields
- Redefining the relationship between prosthetics and soft tissues
- Anatomical dominance and prosthetic dominance
- Evolution of techniques, protocols, and prosthetic materials
- Provisional restoration management in the dental laboratory
- Peri-implant tissue management with vertical abutments
- Fixed prosthesis failure: prevention and management medicine

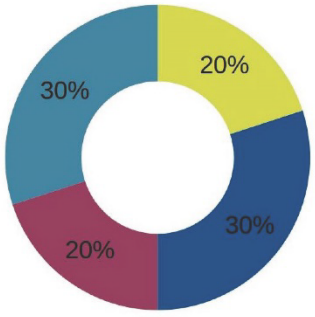
WHY TO ENROL:

1- Get a comprehensive overview of the evolution of prosthetic techniques and materials, delving into the biological rationale and strategies for perfectly adapting soft tissues both on teeth and implants

2- Implement an innovative and simplified prosthetic technique that allows you to achieve tissue stability without surgical interventions or multidisciplinary treatments, reducing stress for your patients.

3- Thanks to vertical preparation, you will have the freedom and ease to redefine the gingival contours, achieving smile symmetry and improving both aesthetics and prosthetic integration.

SKILLS YOU WILL LEARN



- Tissues Stability. Shape and Voolume
- Vertical Preparation Advantages
- B.O.P.T. Prosthetic Protocol
- Biological Rationale

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Channel Description:

Dr. Ignazio Loi welcomes you to his first osteocom video course focused on **B.O.P.T.®** (Biologically Oriented Preparation Technique), the **simplified prosthetic procedure** that has revolutionized **fixed prosthodontics** by shifting from traditional horizontal preparations with finish lines to **vertical preparation**.

Dr. Loi, the **creator** and **leading expert** of the B.O.P.T.® technique, will guide you through its **clinical evolution** and key treatment phases.

You will gain in-depth knowledge of the **biological rationale**, vertical preparation and gengitage, provisional **restoration design** and placement, the creation of a **new CEJ** with enhanced shapes and volumes, the restoration of **symmetry** and optimal **soft tissue contours**, and the essential role of the dental technician.

Through numerous **clinical cases** with long-term Follow-Up, you will also discover the **advantages** and **potential** of vertical preparation—first and foremost, its excellent **tissue stability** around the prosthesis. You will learn how to manage previously treated prosthetic cases without surgery or multidisciplinary interventions while achieving **ideal finish lines** and **restoration volumes**, independent of the prepared tooth structure and the natural gingival contour.

By the end of this course, you will have acquired **practical skills** that you can **immediately implement** in your daily clinical practice, both on **natural teeth** and **implants**.

Join Dr. Loi now and make your prosthetic treatments faster, more effective, and less invasive!

In particular, this course will focus on:

- B.O.P.T.®: the **biological approach** to vertical preparation
- **Potential** and **advantages** in prosthetic, surgical, conservative, and aesthetic fields

- Redefining the relationship between prosthetics and **soft tissues**
- **Anatomical dominance** and prosthetic dominance
- **Evolution** of techniques, protocols, and prosthetic materials
- **Provisional restoration** management in the dental laboratory
- Peri-implant **tissue management** with vertical abutments
- Fixed prosthesis failure: **prevention** and **management**

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

- **Realign gingival contours**, adaptation profiles, and tissue morphology without surgery using the B.O.P.T.® technique
- **Prepare, reline, and refine the provisional** restoration to adapt it to the B.O.P.T.® technique
- **Modify the anatomical-prosthetic** space through restoration shapes
- **Transfer** the finish lines and restoration volume **from the tooth to the prosthetic crown**
- **Adjust** the **depth of vertical preparation** based on the patient's anatomical characteristics
- Customize the treatment plan and **manage both simple** and **complex cases**

Who is the course for?

The course is recommended for **all prosthodontists** who want to deepen their understanding of the biological rationale behind the B.O.P.T.® technique and gain a comprehensive update on the latest innovations in this clinical protocol

Ok, but how does it work?

This **10 hour** course is divided into **13 video lectures** 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 - Introduction to B.O.P.T.® (1h 30min)
Description:

In this first introductory video lesson, Dr. Loi will provide an overview of the history and evolution of prosthetic techniques, explaining the transition from traditional horizontal preparation with finish lines to vertical preparation.

Through a series of clinical cases, the speaker will demonstrate how it is now possible to ensure tissue stability around prosthetic restorations, minimizing the risk of recession—especially in anterior regions—while shaping soft tissue morphology to create favorable conditions for the long-term maintenance of periodontal health and aesthetic outcomes.

Participants will gain insight into the potential and advantages of vertical preparation in creating space for a restoration designed to modify the tissue in the marginal area.

In particular, this lesson covers the following topics:

- The comparison between vertical and horizontal preparation
- The advantages of vertical preparation: tissue stability and modulation
- How to create space to guide tissue shape through vertical preparation
- Managing patients with prosthetic failures without surgery or multidisciplinary treatments
- The key role of biological width for long-term stability and periodontal health

Video Lecture 2 - Finishing lines (1h)
Description:

The analysis of the shapes, volumes, and contours of prosthetic preparations is essential to achieve optimal aesthetic and functional results, considering that gingival contours can become asymmetrical due to various factors, compromising the harmony of the smile.

Participants will see how, traditionally, aligning the contours requires a surgical approach followed by complex symmetrical preparation of the finish lines, while the B.O.P.T.® technique allows for proper alignment without surgery, by coronally moving the finish line and ensuring tissue stability

In particular, this lesson covers the following topics:

- The importance of designing restoration shapes and volumes to ensure symmetry and functionality
- Causes and aesthetic impact of asymmetries in gingival contours on prosthetic rehabilitations
- Horizontal preparation and periodontal surgery VS vertical preparation without surgery
- The goals of B.O.P.T.®: coronalization of the finish line

Video Lecture 3 - The key role of the shape (1h 20min)
Description:

Dr. Ignazio Loi will explain how vertical preparation allows for the creation of an ideal emergence profile, promoting the formation of horizontal biological width and enabling the tissues to adapt and stabilize without the need for surgical interventions.

Thanks to vertical preparation, it is possible to achieve ideal symmetry, avoiding the limitations of horizontal finish lines and improving aesthetic-functional integration. This approach prevents the creation of a step during milling to avoid gingival recession and ensures long-term tissue stability.

Participants will understand how form dominance is a key factor for tissue maintenance, allowing them to realign and reposition the tissues using only prosthetic forms.

In particular, this lesson covers the following topics:
- The role of the emergence profile in creating biological width
- Realigning tissues without surgery using only prosthetic forms
- Vertical preparation and respecting the anatomical dominance of natural teeth
- How to achieve prosthetic symmetry

Video Lecture 4 - Clinical advantages of B.O.P.T.® (34min)
Description:

In this video lesson, Dr. Loi will explain the clinical benefits derived from the application of the B.O.P.T.® technique, first demonstrating how positioning a long provisional restoration, which is progressively

shortened, leads to the realignment of gingival contours, promoting the coronalization of tissues.

This approach represents a paradigm shift from traditional preparations with finish lines, which impose limitations in aesthetic and functional correction.

Participants will see how vertical preparation offers the freedom to modulate the finish line according to clinical needs, allowing for perfect tissue adaptation, ensuring clinical and biological advantages, improving gingival stability, and reducing the risk of recession.

In particular, this lesson covers the following topics:

- Gingival coronalization to stabilize tissues without surgery
- Remodelling the finish line to ensure optimal prosthetic adaptation
- Biological advantages of B.O.P.T.®: tissue stability and reduction of recessions
- Key steps: gengitage of the sulcus, provisional preparation, and timing of impression taking

Video Lecture 5 - Provisional restoration management (57min)
Description:

This presentation focuses on the management of the provisional restoration as a key phase in the B.O.P.T.® protocol. Dr. Loi will extensively discuss reinforcement, contouring, and harmonizing the edges, removing excess material, and redefining the compensatory angle.

A complex clinical case of a patient with discoloration and aesthetic discrepancies, treated with the B.O.P.T.® approach, will be presented, highlighting the significant advantage in mobilizing and realigning the gingival tissue.

Participants will observe how discrepancies between gingival contours can be eliminated and an optimal aesthetic result achieved, even in the presence of failed implants.

In particular, this lesson covers the following topics:

- Elimination of the finish line for gingival realignment and aesthetic correction

- Management of the provisional restoration to achieve a stable and harmonious result
- Redefining the compensatory angle for optimal aesthetic integration
- Modifying gingival thickness to improve tissue stability

Video Lecture 6 - Preparation technique (29min)
Description:

In this video lesson, a clinical case will be discussed, involving the preparation and relining of two central incisors, with a thorough initial assessment through sulcus probing to determine the depth of intervention.

After the removal of the old metal-ceramic crowns, the preparation and elimination of decay and infiltration will be shown to achieve a clean and uniform base.

Participants will appreciate how adhesion procedures and composite placement, followed by etching and finishing with a bur, allow for an optimal emergence profile. Additionally, how sulcus gengitage and final probing ensure stable and aesthetic prosthetic integration will be highlighted.

In particular, this lesson covers the following topics:
- Initial probing for correct mapping of the gingival sulcus
- Removal of metal-ceramic crowns and tooth preparation
- Elimination of decay and infiltration to achieve a uniform base
- Composite placement, etching, and finishing
- Sulcus gengitage and final probing for prosthetic stability and precision

Video Lecture 7 - Laboratory goals in B.O.P.T.® technique (32min)
Description:

Dr. Loi will explain how the goal of the dental laboratory in the B.O.P.T.® protocol is to adapt the gingiva to the new coronal profiles, rather than simply filling the space created by the preparation, as is done with traditional finish lines.

This approach allows for the manipulation of gingival tissues through controlled sulcus invasion and remodulation of the emergence profile.

Participants will see how the laboratory protocol is divided into three stages: positioning of the prosthetic margin, development of the emergence profile, and gingival conditioning on the model.

In particular, this lesson covers the following topics:

- Adapting the gingiva to the coronal profiles, not the other way around
- The stages of the B.O.P.T.® protocol in the laboratory
- Controlled sulcus invasion to optimally manage the tissues
- Elimination and remodulation of the emergence profile
- Vertical preparation: metal-ceramic prostheses vs zirconia-ceramic prostheses

Video Lecture 8 - The biological rationale (30min)
Description:

The biological rationale of the B.O.P.T.® technique is based on its ability to promote effective periodontal regeneration, characterized by a shorter gingival sulcus and junctional epithelium compared to traditional techniques.

The speaker will explain how, after applying B.O.P.T.® at the crest, the probing remains shallow because the tissues adapt to the new prosthetic profiles, stabilizing in a more harmonious and functional manner.

Complex clinical cases treated with this approach will be shown, demonstrating how it allows for better integration of prosthetic restorations with soft tissues, reducing the risk of recessions, enhancing long-term aesthetics, and offering predictable and stable results while promoting periodontal health.

In particular, this lesson covers the following topics:

- Promoting periodontal regeneration
- Reducing probing depth by shortening the gingival sulcus and junctional epithelium
- Tissue adaptation for greater prosthetic stability
- How to minimize the risk of gingival recessions

Video Lecture 9 - Emergence profiles (33min)
Description:

In this presentation, Dr. Loi will explain why he started using vertical preparation and the benefits of this approach, from better control over the shape of the gingival tissues around the prosthesis to more precise management of the emergence profiles.

Furthermore, participants will see how, unlike horizontal preparation, which requires the technician to mill the abutment with specific shapes, vertical preparation allows for directly adapting the gingival contours to the desired shapes.

With this technique, once the healing abutment is removed, it's possible to insert an abutment with the desired shape, ensuring an optimal aesthetic and functional result.

Finally, one of the advantages of using a vertical abutment is the ability to modulate gingival volume and papillary growth without the need for surgical interventions.

In particular, this lesson covers the following topics:

- Facilitating the management of emergence profiles and shapes through vertical preparation
- Adapting the gingiva to the shapes created by vertical abutments
- Modulating coronal gingival volume and papillary growth through shape
- The limitations of horizontal preparation in tissue management

Video Lecture 10 -Modification of gingival thickness and scalloping (54min)
Description:
Form dominance plays a crucial role in managing gingival tissues without the need for surgical interventions.

Dr. Loi will present a clinical case of asymmetry between the central incisors' gingival contours, where the patient opted for a conservative approach, refusing surgery.

Participants will see how, by removing the crown and preparing a vertical abutment, it was possible to insert fibers to expand the mucosal channel, obtaining an accurate subgingival impression.

With the placement of the temporary restoration, the gingiva will progressively adapt, realigning to the level of the contralateral tooth. This technique leverages the regenerative potential of the tissues through the use of convergent implants, allowing for modulation of the form's height and thickening of the gingiva, promoting coronal growth without the need for grafts.

In particular, this lesson covers the following topics:

- The use of fibers to expand the mucosal channel and obtain an accurate impression
- How the temporary restoration guides the gingiva toward a new profile
- The regenerative potential of convergent implants
- The immediate approach with a temporary restoration, avoiding gingival grafting

Video Lecture 11 - The choice of the implant (19min)
Description:
Dr. Loi will explain how different clinical conditions require the use of specific implants, designed to meet the individual needs of the patient.

The characteristics of implants and implant drills directly influence the outcomes of surgical procedures, while the micromechanics of the implant components play a crucial role in long-term stability.

A clinical case of a vestibular fracture of an incisor will be shown, in which an implant with a collar design that promotes the preservation of bone peaks was chosen.
This therapeutic choice helps maintain the residual bone, promotes the regeneration of the gingival papilla, and achieves natural alignment with the temporary restoration, without the need for further surgical interventions.

In particular, this lesson covers the following topics:

- The selection of the implant based on specific clinical conditions
- The influence of implant micromechanics on long-term durability and stability
- Bone preservation through innovative implant designs
- Gingival papilla regeneration through the temporary restoration

Video Lecture 12 -The relationship between gingival scalloping and the finish line (46min)
Description:
The alignment between gingival scalloping, finish line, and restoration is crucial for achieving optimal aesthetic and functional outcomes.

A clinical case will be presented showcasing asymmetry between central incisors, where the placement of the provisional favored natural gingival recession, allowing for subsequent healing of the papilla.

Marginal volumetrics will be managed using prosthetic adaptation profiles that enable modification of the gingival scalloping, ensuring a harmonious relationship between tissue and dental profile.

Participants will appreciate how B.O.P.T.® allows for compensating any volumetric variations through targeted prosthetic forms.

In particular, this lesson covers the following topics:
- The harmonization between gingival scalloping and finish line
- The use of provisionals to guide gingival healing
- Adaptation profiles to modify tissue volumetrics
- Managing shapes and volumetric transpositions

Video Lecture 13 - Final clinical case (12min)
Description:
In the treatment of complex clinical cases, identifying the guiding element of the frontal group is crucial to achieving optimal aesthetics and functionality.

In this final clinical case, the preparation of provisionals will be discussed, which allows the natural downward movement of the gum towards the crown, promoting the healing of the gingival scalloping and improving the patient's smile contour.

In this case, with periodontal compromise of the frontal group and the loss of central and lateral teeth, a complete preparation of the upper arch was carried out, followed by splitting, filling, and placement of a reinforced provisional.

After an adequate healing period, resective surgery will be performed to optimize the tissues, and during healing, the natural reappearance of the papilla will be observed, confirming the effectiveness of the adopted protocol.

In particular, this lesson covers the following topics:

- Identification of the guiding element of the frontal group
- The key role of provisionals in gingival conditioning
- Complete arch preparation to achieve stability and functionality

Scan the code and enter the course



Author Bio:
Graduated in Medicine and Surgery with a specialization in Odontostomatology and Prosthetic Dentistry, **Dr. Ignazio Loi** is the creator and leading international expert of the simplified prosthetic technique B.O.P.T.®, on which he regularly holds congresses and lectures worldwide.


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