



IMPLANTS IN THE AESTHETIC ZONE: FROM SUCCESSFUL PLACEMENT TO FAILURE MANAGEMENT

COURSE 5

ITALIAN ACADEMY OF
OSSEOINTEGRATION

Implants in the Aesthetic Zone: From Successful Placement to Failure Management

By IAO Academy



SUMMARY



Topic:

Implant therapy in the esthetic area: soft tissue, GBR, timing, digital vs analog, and peri-implantitis care.



Objectives:

- Plan and perform connective tissue grafting around implants
- Apply the Socket Shield Technique predictably, managing implant positioning and root fragment handling with precision.
- Use the electrolytic method in peri-implantitis treatment
- Choose the appropriate GBR protocol based on the morphology of the bone defect and the patient's clinical scenario.
- Decide when to remove or save an implant, applying surgical and prosthetic strategies to restore both function and esthetics.
- Evaluate the pros and cons of analog versus digital workflows and integrate digital tools effectively into your clinical practice.
- Analog vs digital workflows for single-tooth replacement in the esthetic area: advantages, limitations, and clinical outcomes



WHY TO ENROL:

1- This course covers advanced soft tissue management, GBR protocols, and immediate implant placement in the esthetic zone.

2- Lecturers will provide in-depth comparisons between techniques like connective tissue grafting, socket shield, and digital vs analog workflows.

3- You will master the decision-making process in complex cases involving peri-implant disease, esthetic failures, and implant malposition.

LEVELS

Difficulty Advanced

Theory ●●●●●

Practice ●●●●

KEY INFO



English



On Demand



Implantology



11h



7 video lectures

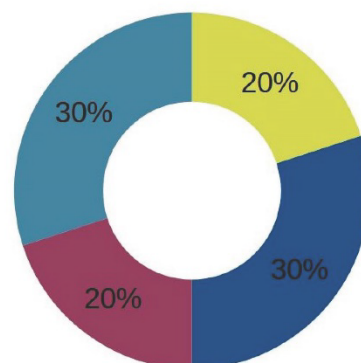


Clinical Yes



NO

SKILLS YOU WILL LEARN



■ Soft Tissue Management

■ Peri-Implantitis Therapy

■ Implant Positioning

■ Complication Management



The Italian Academy of Osseointegration (IAO), the most important implantology society in Italy and internationally recognized, welcomes you to **"Implants in the Aesthetic Zone: From Successful Placement to Failure Management"**; the new learning experience designed to provide you with practical skills, insights, and tips & tricks to effectively **perform implant treatments in the esthetic area**.

This video course is a comprehensive collection of high-level presentations entirely focused on implant treatments in the esthetic zone. Leading experts in the field share their clinical protocols, most effective techniques, and the rationale behind their therapeutic choices in complex cases, blending clinical experience with scientific evidence.

At the core of the course is the highly educational **"Battle of Concepts"** format, where two speakers compare different approaches to achieve the same therapeutic goal. This face-to-face comparison helps participants deeply understand the strengths, limitations, and indications of each strategy, offering a complete and practical overview of the options available.

Key technical topics covered throughout the lessons include **soft tissue management** and the use of connective tissue grafts for esthetic optimization, the **Socket Shield Technique**, **guided bone regeneration (GBR)** protocols with timing and surgical steps, the use of **CBCT for implant planning**, **peri-implantitis treatment** in the esthetic zone using the **electrolytic approach (GalvoSurge)**, **multidisciplinary protocols** for correcting esthetic and positional implant failures, a comparison between **analog and digital workflows** in the management of single-tooth gaps, and **anatomical dissection sessions on cadavers** to enhance surgical safety in oral and extraoral areas.

The course adopts a clear **"how to do it"** educational approach, highly oriented toward clinical application. Each lecture provides actionable advice, professional tricks and tips, and techniques that can be immediately implemented in daily practice. The content is enriched with

numerous detailed clinical cases and includes **step-by-step live surgery videos**, providing high educational value on both theoretical and practical levels.

In particular, this course will focus on:

- Soft tissue management and connective tissue grafting techniques to achieve natural gingival margins and prevent mucosal recessions in the anterior region.
- The Socket Shield Technique: indications, case selection, implant positioning, shield design, and space management between the implant and root fragment.
- Peri-implantitis treatment in the esthetic zone with a focus on the electrolytic approach (GalvoSurge) for implant surface decontamination.
- GBR protocols: surgical approach, timing, horizontal vs vertical GBR, and CBCT-based planning.
- Multidisciplinary strategies to correct esthetic failures and implant malposition, combining surgical and prosthetic phases.
- Analog vs digital workflows for single-tooth replacement in the esthetic area: advantages, limitations, and clinical outcomes.

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

- Plan and perform connective tissue grafting around implants to improve soft tissue stability and long-term esthetic outcomes.
- Apply the Socket Shield Technique predictably, managing implant positioning and root fragment handling with precision.
- Use the electrolytic method in peri-implantitis treatment to clean implant surfaces thoroughly without damaging the material.
- Choose the appropriate GBR protocol based on the morphology of the bone defect and the patient's clinical scenario.
- Decide when to remove or save an implant, applying surgical and prosthetic strategies to restore both function and esthetics.
Evaluate the pros and cons of analog versus digital workflows and integrate digital tools effectively into your clinical practice.

Who is the course for?

This course is ideal for implantologists, periodontists, and prosthetic dentists who want to refine their expertise in esthetic zone treatments and integrate updated, predictable, and high-impact techniques into their everyday clinical workflows.

Ok, but how does it work?

This **11 hour** course is divided into **7 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 - Battle of concepts: Delayed implant placement in esthetic area (1h 55min) By Dr. Paolo Casentini e Dr. Andrea Chierico **Description:**

What is the best approach when choosing delayed implant placement in the esthetic zone?

This lecture presents a clinical and conceptual comparison between two contrasting philosophies; should the post-extraction socket be actively managed, or is it better to let it heal spontaneously?

Dr. Paolo Casentini advocates for **ridge preservation techniques**, which are easy to learn and immediately applicable. He demonstrates how to place a low-resorption osteoconductive biomaterial in the socket, along with a sealing technique to prevent material dispersion.

A surgical video showcases the **punch technique**, a minimally invasive method that leverages the socket's natural regenerative potential without using autogenous bone, while allowing room for a soft tissue graft.

On the other hand, Dr. Andrea Chierico emphasizes the importance of **timing** in delayed implant placement. His approach focuses on **spontaneous socket healing** followed by **guided bone regeneration (GBR)** using non-resorbable membranes, combined with **soft tissue augmentation** using connective tissue grafts.

According to Chierico, it is the **soft tissue volume** and **quality** that ensure long-term aesthetics and stability. His strategy integrates bone and soft tissue regeneration to achieve an esthetically competent and stable peri-implant mucosa.

In particular, this lesson covers the following topics:

- Scientific evidence, indications, and guidelines for preservation techniques
- Surgical protocol: punch technique for post-extraction socket preservation
- Advantages of post-extraction socket preservation techniques
How does spontaneous healing of the post-extraction socket occur?



Timing of implant therapy in patients with periodontal disease

**Video Lecture 2 - Battle of concepts: implants in the esthetic area:
CTG VS Socket Shield Technique (1h 48min) By Dott. Francesco
Mintrone e Dott. Carlo Ghezzi**

Description:

This lecture presents a comparison between two different clinical approaches aiming for the same therapeutic goal: replacing natural teeth with implants in the esthetic zone. The focus is on contrasting the **connective tissue graft** approach with the **Socket Shield Technique**.

Dr. Francesco Mintrone explores the **Socket Shield Technique**, discussing its indications, case selection, implant positioning, shield design, and management of the space between the shield and the implant. He also reviews the long-term esthetic and functional outcomes of this technique.

Dr. Carlo Ghezzi presents a different perspective, focusing on **immediate post-extraction implant placement** in the esthetic area, combined with a **connective tissue graft**. He outlines a treatment rationale that begins with assessing whether the socket is suitable for immediate loading, followed by careful planning of both hard and soft tissue modifications.

The lecture covers key surgical steps such as planning, flap design, flap preparation, tooth extraction, and soft tissue enhancement.

In particular, this lesson covers the following topics:

- Advanced techniques for managing implants in the esthetic zone: Connective Tissue Graft vs. Socket Shield
- In-depth analysis of the Socket Shield Technique: indications, implant positioning, shield design, and long-term esthetic outcomes
- Step-by-step surgical planning with connective tissue grafts: from flap design to soft tissue modification for optimal esthetics
- Clinical decision-making insights: how to select the right technique based on socket conditions, tissue volume, and esthetic goals

Video Lecture 3 - Reasoned dissection of the anatomical spaces of the neck and oral cavity (3h 5min) by Dott. Roberto Pistilli

Description:

Understanding the anatomical structures surrounding the oral cavity is essential for safe and effective surgical procedures. This lecture focuses on key anatomical regions such as the **submandibular** and **parotid spaces**, which are crucial for planning and executing advanced oral and implant surgeries.

Dr. Roberto Pistilli guides participants through a **live extraoral cadaver dissection**, offering **step-by-step commentary** and practical insights.

The session includes **muscle palpation techniques** and highlights the clinical relevance of each anatomical structure discussed.

This is a **highly educational and hands-on lesson**, designed to deepen the anatomical knowledge of implant surgeons. It emphasizes the importance of mastering both **intraoral and extraoral anatomy** to ensure surgical precision and avoid complications.

In particular, this lesson covers the following topics:

- Step-by-step cadaver dissection with didactic anatomical commentary
- Focus on critical extraoral spaces like the submandibular and parotid regions, essential for safe oral surgery
- Practical demonstration of muscle palpation techniques to enhance anatomical awareness during surgical planning
- How to improve the anatomical understanding of implant and oral surgeons

Video Lecture 4 - Peri-implantitis management in the esthetic area (43min) By Dr. Markus Schlee

Description:

What are the true goals of peri-implant therapy: simply reducing infection, or achieving complete healing? And how long should the results last?

In this lecture, Dr. Markus Schlee explores the challenges of **deep decontamination** of implant surfaces in esthetic areas, where success is measured not only by stability but also by **functional and esthetic integration**.

He introduces the **electrolytic approach** as an innovative and minimally invasive solution to remove biofilm and contaminants from implant microstructures—without damaging the implant surface. This method, compared to traditional mechanical approaches, shows promising results in achieving a cleaner implant ready for successful **osseointegration**.

The session also discusses the **systemic consequences of peri-implant disease**, the **requirements for successful therapy**, and the advantages

of using **GalvoSurge**, a device that facilitates effective biofilm removal while preserving implant integrity.

In particular, this lesson covers the following topics:

- Electrolytic cleaning: a cutting-edge, non-abrasive method to deeply decontaminate implants and support full re-osseointegration.
- Beyond inflammation control: the lecture questions traditional goals of peri-implantitis treatment and introduces more regenerative strategies.
- Use of GalvoSurge system: effective, minimally invasive, and compatible with maintaining the original implant surface characteristics.
- Systemic perspective: understanding the potential systemic implications of peri-implant disease and the need for comprehensive care.

Video Lecture 5 - Implant esthetic failures: how to save an implant (43min) by Dott. Carlo Monaco

Description:

In this lecture, Dr. Carlo Monaco presents a multidisciplinary protocol for managing implants affected by esthetic failure or peri-implant disease.

The protocol consists of two phases: pre-prosthetic and surgical. In the pre-prosthetic phase, a detailed clinical evaluation is conducted to assess implant position, soft and hard tissue conditions, and overall esthetics.

Based on this, necessary prosthetic modifications, such as replacing inadequate components or adjusting crowns, are planned to optimize the final result. In the surgical phase, targeted procedures like connective tissue grafting to improve soft tissue volume and guided bone regeneration to correct bone defects are performed.

The protocol emphasizes the importance of precise planning and collaboration between periodontists and prosthodontists, ensuring predictable and successful outcomes in complex clinical cases with both esthetic and functional goals.

In particular, this lesson covers the following topics:

- Clear criteria for deciding whether to remove or retain an implant based on access, prosthetic design, and esthetic potential.
- Classification of dehiscences caused by different types of implant malpositioning.
- Multidisciplinary workflow combining prosthetic adjustments and soft/hard tissue surgery.
- Focus on esthetic rescue: predictable solutions for correcting soft tissue deficits and achieving harmonious outcomes.

Video Lecture 6 - Hard and soft tissue augmentation in anterior failed implant sites for optimal esthetics and long term success (52min) by Prof. Sascha Jovanovic

Description:

In this lecture, Dr. Sascha Jovanovic presents his established surgical protocol for Guided Bone Regeneration (GBR), with a focus on both horizontal and vertical bone augmentation around dental implants.

The session begins with a CBCT-based evaluation of the defect and surrounding anatomy to determine the indication and timing for GBR. Dr. Jovanovic discusses when immediate implant placement can be combined with soft tissue augmentation—such as **connective tissue grafts (CTG)**—to enhance gingival thickness and protect the healing of incisions.

He outlines the specific materials, membrane selection, and flap design required for successful regeneration, highlighting that **horizontal GBR procedures have a relatively low complication rate**, while **vertical GBR requires more advanced skills due to its increased complexity and risk profile**.

The lecture emphasizes the importance of **precise planning, proper space maintenance, and tension-free closure** to ensure long-term clinical success.

In particular, this lesson covers the following topics:

- Structured GBR protocol based on CBCT analysis and clinical classification of the defect.
- CTG augmentation during immediate implant placement enhances soft tissue volume and protects wound healing.

- Horizontal GBR: predictable and low-risk when proper techniques are followed.
- Vertical GBR: higher complexity with increased risk of complications

Video Lecture 7 - Analog and digital implant treatment of single-tooth edentulism (1h 33min) By Dott. Filippo Tomarelli e Carlo Ghezzi

Description:

In this lecture, Dr. Tomarelli and Dr. Ghezzi present two contrasting workflows for the treatment of single-tooth edentulism in the esthetic zone: the analog (traditional) approach versus the fully digital workflow.

The analog approach relies on conventional techniques such as physical impressions, gypsum models, and manual prosthetic design in the dental lab. It is cost-effective and widely accessible, but more time-consuming and operator-dependent.

In contrast, the digital approach leverages intraoral scanners, 3D radiographic imaging (CBCT), guided surgery, and CAD/CAM software for virtual planning and prosthesis fabrication. Although it requires a higher initial investment and digital expertise, it offers superior precision, workflow standardization, and improved patient experience.

The session highlights the strengths and limitations of both approaches, helping clinicians choose the best strategy based on available resources, clinical goals, and patient expectations.

In particular, this lesson covers the following topics:

- Analog workflow: relies on manual steps, physical materials, and clinician skill; cost-effective but time-intensive.
- Digital workflow: employs scanners, CBCT, CAD/CAM, and 3D printing for faster, more predictable results.
- Pros & cons: analog is accessible and low-cost, while digital offers precision and patient comfort but requires investment.
- Clinical decision-making: the choice between analog and digital depends on case complexity, available tools, and operator expertise.



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accedi al corso



Authors:

The Italian Academy of Osseointegration (IAO) is a premier scientific organization for modern dental professionals, offering high-quality cultural and educational programs. IAO advances scientific progress and elevates professional standards in Osseointegrated Implantology, Oral Surgery, and oral cavity rehabilitation, featuring internationally acclaimed experts who provide top-tier insights and knowledge in the field.

