



FP-1: BATTLE OF CONCEPTS AND NEW TRENDS

COURSE 3

ITALIAN ACADEMY OF
OSSEOINTEGRATION

FP-1: Battle of Concepts and New Trends

By IAO Academy



SUMMARY



Topic:

Immediate loading full-arch rehabilitation state of the art: analog and digital protocols



Objectives:

- Analog and hybrid workflows, as well as fully digital workflows, for full-arch rehabilitations with immediate loading
- Planning, surgery, and prosthetic placement
- Information transfer: Mock-Up try-in and design of the implant sites that will support the prosthesis
- Guide objectives: implant positioning and surgical guidance
- Transitioning from provisional to definitive restorations: analog and digital processes
- Step-by-step prosthetic finalization: from provisional to definitive prosthesis
- How to execute a full-arch rehabilitation: from the surgical to the prosthetic phase
- Conometric VS screw-retained prostheses



WHY TO ENROL:

1- You will be able to plan each treatment fully and effectively by being able to customise each full-arch rehabilitation offering the best aesthetics and function to each particular patient.

2- You will understand how to manage immediate load full-arch rehabilitations, even in complex cases, with both analogue and digital approaches and selecting the best type of prosthesis by customising your

3- You will be able to accept and manage complex rehabilitations at the level of soft tissue deficits and bone volumes thanks to devices typical of computer-guided surgery

LEVELS

Difficulty Advanced

Theory ●●●●●

Practice ●●●●●

KEY INFO



English



On Demand



Implantology



9h



11 video lectures

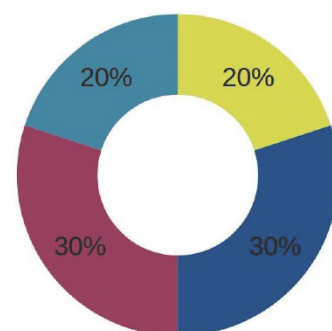


Clinical Yes



NO

SKILLS YOU WILL LEARN



■ Full-Arch Rehabilitations: Analog and Digital Protocol

■ Full-Arch Rehabilitations: Immediate Loading

■ How to choose the proper Prosthesis Typology

■ Treatment Planning Protocols



Channel Description:

The Italian Academy of Osseointegration (IAO), the most important implantology society in Italy and recognized internationally, welcomes you to **"FP-1: Battle of Concepts and New Trends"**, the **how-to-do-it learning experience** focused on state-of-the-art techniques for full-arch rehabilitations with immediate loading, adopting both analog and digital approach.

This course has been **fully dubbed in English** and features lectures by **internationally renowned experts in implantology**.

The speakers will engage in a **"battle of concepts"** to discuss the **best prosthetic solutions** and **working protocols** to adopt in different clinical scenarios.

Participants will observe how **analog** and **digital methods** can be integrated to develop effective and predictable protocols for executing even **complex full-arch rehabilitations** with **immediate loading**.

Through various discussions and **clinical cases**, you'll gain insights into providing patients with fast, **minimally invasive treatments** that restore both the **aesthetic and functional aspects** of their dentition from a biological perspective.

Join the experts at IAO for a comprehensive update and elevate your full-arch rehabilitations to new heights!

In particular, this course focuses on:

- Battle of concept: conometric vs screw-retained prosthesis
- Battle of concept: analog vs digital workflow
- New trends in guided surgery and prosthetic treatment
- Customized and patient-driven prosthetic workflow
- New materials and technologies to create a virtual patient
- Rationale behind **implant selection** for prosthetic support: number, dimensions, types, inclination, and length

- Treatment of highly-compromised patient: soft and hard tissue deficiencies

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

- Adopt both **analog** and **digital** protocols for **full-arch rehabilitations** in edentulous patients or patients with terminal dentition
- Combine **scientific evidence** with patient needs to provide customized, **patient-driven therapies**
- Restore **aesthetics** and **function** through **minimally invasive** treatments, with low stress and in the least number of sessions
- Construct prostheses that faithfully replicate what was planned in the **pre-surgical phase**
- Implement **top-down treatments**: digital prosthesis creation followed by implant placement planning
- Understand when and how to **perform computer-guided reductive osteoplasty** to address tissue and bone volume issues

Who is the course for?

This video course is particularly recommended to all **professionals involved in implant-prosthetics** who want to undertake a complete and timely update to manage full-arch rehabilitations, even challenging ones, with immediate loading using both analog and digital workflows.

The course offers a truly comprehensive overview of all possible treatment options and different prosthetic solutions, thanks to the exchange between speakers with diverse working philosophies.

Ok, but how does it work?

This **9 hour** course is divided into **11 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 - Immediate Loading Rehabilitation of Patients with Terminal Dentition: Analog and Hybrid Approach (34min) By Dr. Leonello Biscaro

Description:

This learning experience offered by IAO begins with a video lecture focused on the **protocols** for **full-arch rehabilitations** in **edentulous patients** and in patients with terminal dentition.

Dr. Biscaro presents **two clinical cases** of full-arch rehabilitation with immediate loading.

For the first clinical case, Dr. Biscaro demonstrates the management of **immediate loading** with a fully **analog procedure**, with each phase of the treatment explained step by step, from **planning**, prosthesis **construction**, wax-up, and tooth extraction up to **implant placement**, prosthesis delivery, and maintenance.

In the second clinical case, a **simplified digital** procedure is used, following a hybrid protocol. The case planning is done digitally, while the wax-up remains conventional.

Participants will observe how the goal of these rehabilitations is to combine scientific evidence with **patient needs**, delivering a patient-driven therapy aimed at restoring both aesthetics and function.

In particular, this lesson covers the following topics:

- **Full-arch** rehabilitation with **immediate loading**: analog and digital protocols
- Case planning, aesthetic, and **functional setup**
- **Implant placement** and delivery of the final prosthesis
- **Prosthesis construction** replicating the pre-surgical design
- Prosthesis framework and creation of a **Toronto-type** prosthesis
- **Simplified digital method**: digital impression capture and conventional wax-up

Video Lecture 2 - Rehabilitation of Fully Edentulous Patients with Immediate Loading: Fully Digital Workflow (40min) By Dott. Alberto Pispero

Description:

Following the exploration of analog and simplified digital workflows, Dr. Pispero discusses the steps involved in the **fully digital workflow** for the full-arch rehabilitation of edentulous patients.

Dr. Pispero demonstrates how this approach follows a **top-down planning method**, where the digital prosthesis is created first, followed by the planning of implant placement.

Participants will gain an in-depth understanding of each aspect of the **digital workflow**, from **planning** to **surgery** and **prosthetic placement**. Thanks to various **clinical clips**, you'll also learn how to test the **mock-up** and position and how to stabilize the **surgical guide** with pins, ensuring optimal surgical access for both implant placement and drilling protocols.

In particular, this lesson covers the following topics:

- Information gathering to **transform** the **analog patient** into a **virtual** one
- The **digital workflow**: planning, surgery, and prosthetic placement
- **Mock-up try-in** and implant site design to support the prosthesis
- Use of the **surgical guide**: creation, positioning, stabilization, and functionality
- **Implant placement** in ridges surrounded by keratinized mucosa

Video Lecture 3 - From the Provisional to the Definitive: Analog and Digital Workflow (43min) By Dott. Gianluca Paniz

Description:

In this lesson, Dr. Paniz explains how to manage the **transition from provisional to definitive restorations** using both analog and digital methods.

In particular, the speaker focuses on the **goals of prosthetic finalization**: to reduce prosthetic complications and minimize the duration and number of sessions with the patient. Additionally, an in-depth comparison between **screw-retained** and **cemented prostheses** is presented, as well as the **best materials** to use for final restorations.

Participants will learn how to manage delicate phases typical of this transition, such as addressing minor **aesthetic or occlusal issues**, changes in masticatory dynamics, and **tissue resorption** problems.

In particular, this lesson covers the following topics:

- Step-by-step protocol for **prosthetic finalization**
- Goals of **finalization**
- **Key factors** to consider during the transition from provisional to definitive restoration
- **Data collection**, try-in, and data transfer to the dental laboratory
- Advantages of **monolithic materials** for constructing the definitive prosthesis

Video Lecture 4 - Tilted and Short Implants Protocols in FP-1 Rehabilitation (54min) By Dott. Denis Cecchinato

Description:

In this lesson, Dr. Denis Cecchinato explains how to manage a full-arch rehabilitation, covering the process **from surgery to prosthetics**.

The speaker thoroughly discusses his **gold standard** for the modern treatment of fully edentulous patients, which is based on using only **four implants** to support the complete prosthesis.

Participants will appreciate the potential, predictability, and effectiveness of using **tilted and short implants**, which offer comparable qualities to standard implants.

In particular, this lesson covers the following topics:

- Full-arch rehabilitations with **computer-guided surgery** and immediate loading
- **4 vs 6 implants** for prosthetic support
- The advantages of using **tilted implants**
- The advantages of using **short implants**

Video Lecture 5 - Appropriate Type of Prosthesis: Inclusion Criteria (46min) By Dott. Sergio Piano

Description:

In this lesson, Dr. Sergio Piano shifts the focus to the **planning** of full-arch rehabilitations and the **inclusion criteria** that are key factors in determining the **appropriate type of prosthesis** for each patient.

The speaker also discusses the challenges posed by the standardization of full-arch rehabilitations and emphasizes the **need for customized and personalized treatment plans**.

Participants will learn how to effectively manage the **facial profile analysis** stages to assess the vertical positioning of the bony bases, horizontal resorption of the mandible and maxilla, and the placement of dental elements.

In particular, this lesson covers the following topics:

- The challenges of **standardized treatment** and the potential of **personalized approaches**
- **Inclusion criteria** for edentulous patients: removable prosthesis or implant-supported fixed prosthesis?
- **Facial profile analysis** to guide the selection of prosthesis type
- Creation of a **setup** to preview the final result

Video Lecture 6 - Patients with Soft and Hard Tissue Deficiencies: Digital Approach (52min) By Dott. Mario Beretta
Description:

This video lecture focuses on managing full-arch rehabilitations using a **digital approach** in patients with severe **soft tissue defects** and **bone volume deficiencies**.

Through various **clinical cases**, Dr. Beretta demonstrates how a digital approach can be applied even when a **reductive osteoplasty** is necessary to create space for the prosthesis or to **level the alveolar ridge**.

The speaker then comments a surgical video of **guided reductive osteoplasty** with an open flap and anatomical structure isolation.

In particular, this lesson covers the following topics:

- **Prosthetic finalization** using fully digital workflows

- Challenges of **guided surgery**: soft tissue and bone volume deficits
- **Implant placement** and immediate loading prosthetic phase
- Computer-guided **reductive osteoplasty**
- **Soft tissue management**: using guides to isolate areas that need augmentation

Video Lecture 7 - Battle of Concepts: Treating Edentulous Jaws – Analog vs Digital Approach (1h 28min) By Dott. Luca Cordaro e Sergio Piano

Description:

In this video lecture, participants will witness a fascinating **debate** between Drs. Cordaro and Piano on the choice between **analog or digital approaches** for treating edentulous jaws.

The speakers discuss the **advantages and limitations** of each approach, emphasizing that rather than a strict division, the focus should be on the **potential interactions** between these workflows.

The speakers show how the digital workflow makes clinical execution of rehabilitations **faster, simpler, less stressful, and minimally invasive**, though it comes with higher costs and requires an initial learning curve.

On the other hand, Dr. Cordaro explains how the analog approach remains a gold standard for planning **simpler cases**, mixed prostheses on teeth and implants, and overdentures.

In particular, this lesson covers the following topics:

- When **is it recommended** to choose an **analog approach** for rehabilitating edentulous jaws?
- What are the **challenges** of the digital approach?
- When and why to choose a **digital approach**?

Video Lecture 8 - Battle of Concepts: Complex Full-Arch Rehabilitation: Conometric vs Screw-Retained Prosthesis (pt.1) (36min) By Dott. Andrea Nicali

This and the following video lessons are part of a **Battle of Concepts** between Drs. Nicali and Rivara, who compare their gold standards

regarding the **type of prosthesis** to use in complex full-arch rehabilitations.

In this first presentation, Dr. Nicali discusses **conometric solutions** for full-arch immediate loading rehabilitations using a digital approach.

The speaker focuses on the "**One-Prosthesis One-Time**" protocol, which involves guided surgery, at least four implants for prosthetic support, **customized conometric abutments**, and a mock-up for previewing the future tooth position.

In particular, this lesson covers the following topics:

- The "**One-Prosthesis One-Time**" protocol
- **Customized conometric abutments**: the correct angle of inclination
- Morphological and **material characteristics** of conometric prostheses
- The **protocol for guided surgery**: immediate load full-arch with definitive prosthesis on the upper arch
- **Benefits** of conometric prostheses

Video Lecture 9 - Battle of Concepts: Complex Full-Arch Rehabilitation: Conometric vs Screw-Retained Prosthesis (pt.2)
(41min) By Dott. Federico Rivara

Description:

Following the discussion of the **characteristics, protocols, and advantages** of **conometric prostheses**, this lecture features Dr. Rivara presenting an overview of screw-retained solutions.

Participants will observe a **complex clinical case** involving a patient with terminal dentition, experiencing masticatory and aesthetic deficits, who will be treated with an **All-on-4 immediate load** on both the upper and lower arches.

Dr. Rivara explains the distinctions between **FP-1, FP-2, and FP-3 prostheses**, illustrating the rationale to follow in order to predictably choose the appropriate type for each case.

In particular, this lesson covers the following topics:

- How to use **Smile Design software** to preview the final result

- The workflow for **guided surgery** with immediate load screw-retained prostheses in full-arch rehabilitations
- **Implant positioning** and angulation
- Matching extraoral and intraoral impressions

Communication with the **dental laboratory**



Scan the code
and enter the
course



