



3-series Master program in fixed prosthodontics

Dr. Mauro **FRADEANI**

Dr. Leonardo **BACHERINI**

with the participation of

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PESARO, ITALY

JUNE - SEPTEMBER 2025

Introduction

The creation of prosthetic restorations successfully integrated from an esthetic, functional and biological point of view is the main target of every simple or complex prosthetic rehabilitation.

In order to achieve this result it is necessary to follow a protocol, developed and tested by the speakers in 30 years of experience, for the collection of all the esthetic and functional data of the patient: thanks to this information the clinician will be able to elaborate the ideal treatment plan. The correct application of these procedures will allow the dentist to fulfill all the minimal invasiveness requisites while granting longevity to the restorations.

During the course the speakers will present all the aspects of this systematic approach, including: a complete esthetic analysis; an examination of all the prosthetic risk factors; an effective communication with the dental laboratory; the appropriate prosthetic treatment planning; the fabrication and correct positioning of the provisional; the precise data transfer of the perfectly integrated provisional from an esthetic, functional and biological viewpoint; and the restorative material selection according to the specific clinical case. The participants will moreover learn all about the procedures of tooth preparation, impression taking and cementation of the restorations, which are all crucial steps for a successful prosthetic rehabilitation.

The recent development of digital systems has greatly contributed to the simplification of many of the clinical steps necessary for the creation of precise, long-lasting and esthetically valid restorations; excellent results can nowadays be reached thanks to these modern, effective and reliable digital techniques.

Course objective

The aim of the course is to present a traditional as well as digital systematic approach to the prosthetic rehabilitation allowing the dentist to confidently address any treatment involving bridges, crowns, veneers and onlays, on natural dentition and implants, from single restoration to full-mouth rehabilitation.



Registration

Course fee (payment by installments)

» €9.900,00 *single registration*

» €9.500,00 *combined registration in 2 or more*

How to purchase

BANK TRANSFER

MAURO FRADEANI EDUCATION Srl

Banca Intesa San Paolo, filiale 04010,
Corso XI Settembre, 94 - 61121 Pesaro (PU)
Bank account: 00016870
IBAN: IT69 0030 6913 3041 0000 0016 870
BIC/SWIFT: BCITITMM

PAYPAL

to
info@maurofradeanieducation.com



The Facility

ACE INSTITUTE
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How to register

You can enrol **online on our website**
www.fradeanieducation.com or by
contacting us:
info@fradeanieducation.com
+39 0721 64359 (Phone or WhatsApp).

ONLINE



Module 1

June 11-14, 2025

Module 1: Esthetic and functional analysis in the treatment plan of the prosthetic rehabilitation

Diagnosis and treatment plan are the two fundamental steps that need to be carefully examined in order to ensure the success of simple or complex prosthetic rehabilitations.

By following a tested and systematic approach developed by the speakers in 35 years of experience, the clinician will be able to correctly collect all the esthetic data, adequately evaluate the risk factors and avoid incurring in common mistakes and problems that could lead to failure.

A complete and effective communication with the dental technician represents a crucial aspect for the transmission of all the necessary data for the diagnostic wax-up. Nowadays, by using digital techniques and tools it is possible to simplify and predict the phases of esthetic and functional data analysis and processing; these technologies can also enhance communication with patient and dental lab making it more immediate and precise.

In this first module the speakers will introduce the steps to follow for a thorough esthetic and functional evaluation of the patient, presenting the key principles for an ideal prosthetic project.

Particular emphasis will be given to function, an aspect of the treatment which is often ignored but proves to be crucial to grant longevity to the prosthetic restorations.



The program (module 1)

THEORETICAL SESSION

Esthetic analysis

Data collection for the treatment plan formulation: a systematic approach to a complete esthetic analysis

- The starting point of every prosthetic rehabilitation:
 - › Facial analysis
 - › Dentolabial analysis
 - › Phonetic analysis
 - › Dental analysis
 - › Gingival analysis

Functional analysis

A complete guide to the functional analysis of the patient: treatment plan formulation for a longevity guarantee of the restorations

- How to identify a patient presenting a high-risk failure:
 - › Tooth wear
 - › Classification
 - › Tooth wear and prosthodontic risk
 - › Complete analysis of the stomatognathic system (muscles and TMJ)
 - › Temporomandibular disorders and prosthodontics
 - › Muscle activity checking in prosthodontics
 - › Awake and sleep bruxism
 - › Splint: how, when and why
 - › The necessary occlusal parameters for the prosthetic rehabilitation
 - › Anterior guidance
 - › Canine guidance

- › Group function
- › The ideal occlusal scheme in various clinical situations
- › Management of the Vertical Dimension of Occlusion (VDO):
 - › When to modify VDO
 - › Why to modify VDO
 - › The step-by-step rationale to define the patient's VDO
- › The centric relation in the prosthetic rehabilitation
 - › Evolution of the concept of centric relation
 - › Centric relation today
- › The clinical procedure for the collection and management of the functional parameters
 - › Facebow records
 - › The essential occlusal records for the prosthetic rehabilitation
 - › Mounting in the articulator
 - › Adjusting the articulator

Diagnostic wax-up

- The embodiment of the treatment plan developed thanks to the esthetic and functional analysis
 - › The concept of additive diagnostic wax-up
 - › Wax-up as prototype for the provisional

The mock-up

- An essential procedure to pre-view and optimize the prosthetic design
 - › How to perform an ideal mock-up
 - › Mock-up in simple and complex cases
 - › Confirmation and correction of the mock-up



Digital protocols for the esthetic and functional analysis and for the mock-up

- The advantages of digital technology in prosthodontics
- Facial scanners vs. digital photography
- Digital tools: how to use them
- The esthetic digital preview
- The digital prosthetic design

GETAPP: a digital tool for the collection and processing of esthetic and functional data

- A digital tool designed according to a 30-year experience in dentistry to help the clinician in the delicate step of the treatment plan formulation

LIVE DEMONSTRATION OF THE SPEAKER

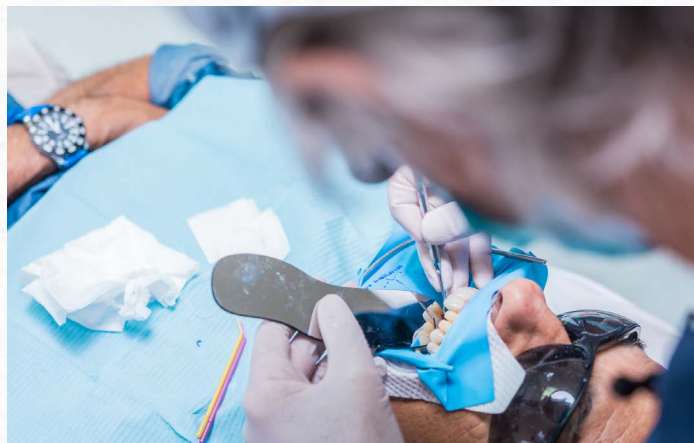
The speakers will perform all the procedures of centric and protrusive wax records, as well as the facebow records, to correctly mount the models in the articulator.

HANDS-ON TRAINING BY THE COURSE PARTICIPANTS

The participants' practice will focus on:

- Occlusal records procedures, aided by the speakers;
- Esthetic optimization of an anterior area model according to the principles of the ideal dental composition.





Module 2

July 16-19, 2025

Module 2: Esthetic, functional and biologic integration of the prosthetic rehabilitation on natural teeth and implants

The esthetic, functional and biological integration of the prosthesis depends, as well as from a correct treatment plan formulation, on the accurate execution of some essential clinical phases. By following some crucial steps, it is possible to fabricate a provisional as adherent as possible to the one designed in the dental lab in the articulator, thus immediately reaching the goal of the treatment, saving precious time and avoiding unnecessary stress.

By preparing teeth according to some fundamental principles - such as minimal invasiveness, precisely taking the impressions, and applying a systematic procedure for the copy of the provisional, the clinician will be able to perfectly finalize the prosthetic treatment. The use of recently developed digital tools and methods will moreover provide many advantages, such as a greater simplification and a higher predictability of the result in all the clinical phases of the prosthetic rehabilitation. In particular, the speakers will present the latest digital impression techniques, a continuously-evolving technology which represents a real revolution in modern dentistry.

During the second module the speakers will outline all these clinical steps based on their decades-long experience, providing useful practical suggestions on how to gain a high success rate.



The program (module 2)

THEORETICAL SESSION

The role of the provisional in prosthodontics

An essential benchmark to test and verify the prosthetic project

- Provisional management: analysis and problem-solving
 - › Provisional pre-requisites
 - › Which material for each type of provisional
 - › Direct technique
 - › Indirect technique
 - › Modified indirect technique (MIT)
 - › Relining and re-margining
 - › Coloring, glazing and cementation
- The provisional in simple cases
- The provisional in rehabilitations with veneers
- The provisional in complete rehabilitations: 1-2 arches

Tooth preparation

- The evolution of tooth preparation throughout time
- The choice rationale between traditional and modern preparation
- Traditional tooth preparation:
 - › Bio-mechanic principles
 - › Indications according to the clinical case
 - › Margin design: still a current subject?
 - › The choice rationale in margin design

Impression materials and techniques

- The combined use of materials and techniques to simplify tooth impressions
 - › Alginate impressions: indications and limits
 - › Silicone impressions: materials and their correct use
- Gingival displacement
 - › Use of retraction cords
 - › Cord-soaking materials
 - › The safe and reliable protocol for analogue impressions, tested in 30 years of daily practice
- Treatment of edentulous areas: timing and shape of the provisional in tissue conditioning

Digital impressions

- Basics and principles of intra-oral scanners (IOS)
- How to perform a digital cross-mounting with IOS
- The importance of the scanning strategy for natural dentition and scan bodies
- The digital scanning protocol to follow to guarantee trueness and precision
- Scan bodies, implant libraries and alignments: practical concepts



Esthetic and biological integration on natural dentition

- Pre-prosthetic surgery:
 - › Periodontal pre-prosthetic surgery for the esthetic optimization of the anterior area
 - › Minimally invasive surgical procedures: gingivectomy, attachment removal, buccal resective surgery

Esthetic and biological integration on implants

- Surgical and prosthetic protocols for the stability of peri-implant tissues
- Implant-prosthetic rehabilitation of single teeth in the posterior area
- Implant-prosthetic rehabilitation of single teeth in the anterior area
- Extended implant-prosthetic rehabilitations: 1-2 arches

From the provisional restoration to the definitive prosthesis: data transfer

- Verifying the integration of the provisional
- The protocol for the transfer of the esthetic and functional parameters to the provisional
- Cross-mounting

HANDS-ON TRAINING BY THE COURSE PARTICIPANTS

The participants' practice will focus on:

- Traditional tooth preparation for crowns in the anterior and posterior area on dental models





Module 3

September 10-13, 2025

Module 3: Ceramic material selection: from single restoration to full-mouth rehabilitation

The final phase of the prosthetic rehabilitation includes the fabrication and cementation of the prosthetic restorations. The restorative material selection plays a crucial part in this process, and this choice has to necessarily be done at the beginning of the prosthetic treatment as it is connected to the patient's initial situation and the type of preparation performed. This decision may prove to be a complex one for the prosthodontist due to the great variety of restorative materials currently available on the market: during the course great importance will be given to the description of the main materials, with precise suggestions on how to select the ideal ones according to tests and years of clinical experience. Moreover, all the modern adhesion principles and the clinical steps for the cementation of the restorations will be presented in detail.

By viewing the clinical cases presented by the speakers, the participants will also learn how to apply the clinical protocol of Minimally Invasive Prosthetic Procedures (MIPP) which will enable them to treat complex cases in a predictable way, while respecting the principles of esthetic and functional integration and minimal invasiveness.



The program (module 3)

THEORETICAL SESSION

Dental materials

- Porcelain-fused-to-metal: myth or reality?
- All-ceramics: a 40-year usage experience

Classification and description of modern all-ceramics

- High-strength ceramics: indications and limits
- Glass-ceramics: indications and limits

Clinical cases with decades-long follow-up

Color selection and transmission to the lab

- Use of color shade guides
- Choice of material according to specific color shade guides

Treatment of discolored teeth

- Modern bleaching strategies
- The choice rationale for the management of discolored teeth

Adhesive cementation

- The current protocols and adhesive systems
- Step-by-step of the adhesive cementation
- Tips&tricks for the adhesive cementation

Minimally invasive prosthetic rehabilitations (MIPP)

- A modern approach to simple and complex prosthetic rehabilitations

Partial restorations in the posterior area: indications and clinical protocols

- Onlays
- Overlays
- Table-tops
- Buccal-occlusal veneers



Partial restorations in the anterior area: indications and clinical protocols

- Buccal veneers
- Full-veneers
- V-veneers

Rehabilitation of 1-2 arches

- Esthetic and functional principles
- Clinical steps
- Long-term follow-up

HANDS-ON TRAINING BY THE COURSE PARTICIPANTS

The participants' practice will focus on:

- Modern preparations for veneers, full veneers, buccal-occlusal veneers on dental models





The speakers

Mauro **FRADEANI**

After graduating in medicine and surgery in 1979, Mauro Fradeani completed a specialization in dentistry at the University of Ancona, Italy in 1983.

Past President of EAED European Academy of Esthetic Dentistry (biennial 2003/2004) and Past President of AIOP Accademia Italiana di Odontoiatria Protesica (biennial 1999/2000), he has served as Visiting Associate Professor in Prosthetics at Louisiana State University New Orleans (USA) from 1999 until 2008. Active Member of The American Academy of Esthetic Dentistry, he maintains membership in The American Academy of Fixed Prosthodontics. He is Founder and Director of ACE Institute, Advanced Continuing Education center in Pesaro, Italy. He is Founder and Director of Fradeani Education, an educational project developed together with a group of expert speakers with the goal to promote worldwide an Italian model of excellence in dentistry.

Associate Editor of The International Journal of Esthetic Dentistry (EJED), Member of the Editorial Board of Practical Periodontics & Aesthetic Dentistry (PPAD) and of the Journal of Esthetic and Restorative Dentistry (JERD), he is the author of the two-volume series Esthetic Rehabilitation in Fixed Prosthodontics translated in 11 languages (Quintessence International, 2004, 2008).

He runs a private practice limited solely to prosthetics on natural dentition and implants in Pesaro (Italy).





The speakers

Leonardo **BACHERINI**

Leonardo Bacherini received his dental technology certificate in 1988 at Istituto Tecnico Leonardo da Vinci in Florence and graduated in Dentistry at the University of Florence in 1995. He has then collaborated with some of the most world-renowned clinicians and dental technicians.

He lectures extensively in national and international dental courses and congresses and he is the author of scientific articles published in Italian and international magazines.

He is Founder Member and speaker of Fradeani Education, Founder Member of Società Italiana di Protesi e Riabilitazione Orale and Active Member of the Italian Academy of Esthetic Dentistry.

He focuses his professional activity mainly on Prosthodontics and Implants in his private practice in Florence.

together with all the Fradeani Education speakers



The Facility

The **ACE Institute**, Advanced Continuing Education Centre, was created in 2000 by Mauro Fradeani with the aim of expanding clinical knowledge and sharing professional skills and scientific update in esthetic dentistry.

The course facility is located in a 17th century building, in the historical center of Pesaro, Italy and it can accommodate up to 36 participants.

A professional audio-visual equipment allows easy connection with the conference room for an optimal interface with the course participants during live-treatments.

The second floor offers 18 lab stations for hands-on courses. Free wi-fi connection is available in all the rooms. Simultaneous translation set-up can be organized upon request.





PESARO, ITALY

Pesaro is a popular seaside resort on Italy's Adriatic Coast with a population of around 100.000. The ACE Institute is located in the historic centre of the city which is only a few minutes' walk from the seafront.

HOW TO REACH US

Pesaro is well connected by train with these airports: Ancona, Bologna and Rome. Timetables and train connections are available on www.trenitalia.com.

If you are planning to rent a car, the distance from major airports to Pesaro is the following: from Ancona: 55 kms, from Bologna: 135 kms, from Milano: 350 kms, from Roma: 370 kms.

Should you wish to have a transfer organized from/to the airport by car, we recommend "Chiuselli" a very reliable local company in Pesaro with English speaking drivers. Contact information or cost estimate available on their website www.chiuselli.com. In case you prefer to take a taxi you can make a reservation on www.taxipesaro.it.



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You can find all the information about our courses on
www.fradeanieducation.com