3-SERIES MASTER PROGRAM
IN FIXED PROSTHODONTICS

THE ESTHETIC
AND FUNCTIONAL
REHABILITATION

Speaker: Dr. Mauro Fradeani

MODULE 1
June 11-14, 2014

MODULE 2
July 23-26, 2014

MODULE 3
September 10-13, 2014
The ACE Institute, Advanced Continuing Education Centre, was created with the aim of expanding clinical knowledge and sharing professional skills and scientific update in esthetic dentistry.

The course facility is located in Pesaro, Italy. It can accommodate up to 28 participants. The professional Full-HD audio-visual equipment allows optimal interface during live-treatments and recording of all the clinical procedures as well as easy connection with Dr. Fradeani’s dental office located just next door. The second floor offers 14 lab stations for hands-on courses. Availability of internet wi-fi connection and simultaneous translation upon request.

More information on www.aceinstitute.it

3-SERIES MASTER PROGRAM IN FIXED PROSTHODONTICS
THE ESTHETIC AND FUNCTIONAL REHABILITATION

Dr. 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.


He is Founder and Director of ACE Institute, Advanced Continuing Education centre in Pesaro, Italy, and Founder Member of Onlydental. Associate Editor of The European 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).


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The aim of this 3-Series course is to outline a systematic approach to prosthetic rehabilitation and help the clinician to confidently address comprehensive treatment involving bridges, crowns, veneers and onlays on natural dentition and on implants, from a single restoration to full-mouth rehabilitation.

The application of a tried and tested system, experimented for 30 years, represents, especially for complex rehabilitations, an indispensable means of achieving optimal final results, from the esthetic as well as biological and functional viewpoints. The prosthetic treatment plan must allow an ideal integration of esthetics, biological and functional requirements on natural teeth and on implants. The esthetic analysis, thanks to a simple and systematic approach to assessing facial, dento-labial, phonetic, dental and gingival factors, will allow to optimize the prosthetic treatment plan.

To this end, after filling in the esthetic checklist, the laboratory checklist is employed, a device as functional as it is indispensable for communicating with the dental technician in an exhaustive and effective manner. The scrupulous compilation of this checklist will allow the clinician to specify clearly any request and modification, in order to create an ideal diagnostic wax-up. Containing all the variations necessary for optimizing the results of the rehabilitation, the laboratory checklist will consequently ensure the development of a provisional restoration that can be fitted into the mouth in the same position as the technician intended it in the articulator. Biofunctional provisionals serve as blueprint s for the definite prosthesis providing all information about shape, position, emergence profiles, arrangement of teeth and non-destructive occlusion especially in challenging clinical situations. Material selection with the dental ceramist is fundamental in management of complex rehabilitation cases with porcelain crowns, bridges, implant abutments and veneers. The use of metal-free ceramic materials allows to achieve excellent esthetic results in the anterior area for crowns and veneers fabrication. Nowadays an innovative operative protocol allows to face highly compromised clinical situations, with a minimally invasive prosthetic procedure (MIPP) that guarantees an excellent, long lasting esthetic result and a better acceptance of the treatment by the patient.

Clinical and technical suggestions for obtaining esthetic and durable results will be supplied.
A comprehensive treatment plan for extensive rehabilitations: esthetic and functional evaluation

4-day program: June 11-14, 2014

ABSTRACT

The ideal treatment plan must be drawn up following careful esthetic, functional, and structural analysis and with the aid of radiographic examinations and stone casts mounted on the articulator by means of correct use of the facebow.

The variations necessary for optimizing the case must be transferred to the technician by carefully filling in the laboratory checklist, to create the diagnostic wax-up that will have to incorporate all of the modifications requested by the clinician.

Fabricating the provisional restoration by the MIT technique, aside from ensuring a correct fit in the oral cavity, will give the clinician the opportunity to evaluate the effectiveness and the validity of the variations made, making it possible to achieve adequate esthetic-functional integration.

Key:

T Theoretical sessions
H Hands-on training
L Live demonstration

MODULE 1
ESTHETIC ANALYSIS

> Facial analysis
  - Frontal view: interpupillary line, commissural line, midline related to the horizon
  - Lateral view: profile, nasolabial angle, e-line
> Dentolabial analysis
  - Tooth exposure at rest, incisal edge, smile line, smile width, labial corridor, interincisal vs facial midline, occlusal plane vs horizon
> Phonetic analysis
  - Pronunciation of M-F-S-E sounds
  - Incisal edge position, tooth length, vertical dimension
> Direct and indirect mock-up
  - Reversible additive technique
    Treatment preview for the patient
    Diagnostic confirmation for the clinician
> Dental analysis
  - Key factors for the treatment plan and for anterior restorations: how to detect and overcome possible obstacles for the achievement of optimal esthetics
  - Tooth shape, proportions, position, arrangement and colour
  - Transition line angles: how to give the impression of length and width variation
> Gingival analysis
  - Gingival margin outline
  - Parallelism and symmetry
  - Gingival zenith
  - Interdental papillae
> Esthetic checklist
  - Indispensable tool for the clinician
  - Simple, predictable and efficient method
  - Systematic approach to collect all the necessary data

FUNCTIONAL ANALYSIS

> Occlusal planes
> Occlusal relationships (MI – CO – CR)
> Vertical dimension
> Anterior guidance
> Parafunctional activities
> Temporomandibular Joint Disorders (TMJ): anatomy and physiology of TMJ, clinical examination, masticatory muscles disorders and articular disorders, diagnosis and treatment, the bites, indications and clinical management
> Occlusal trauma
> Occlusal adjustment
> Facebow taking
> Occlusal records
> Stone models analysis
> Mounting in the articulator
> Adjusting the articulator

LIVE DEMONSTRATION BY DR. FRADEANI

> Working postures
> Centric relation records
> Protrusive records
> Facebow taking
> Compilation of the esthetic checklist
> Compilation of the laboratory chart

HANDS-ON TRAINING BY THE COURSE PARTICIPANTS

> Occlusal records and facebow records taken by the participants, one on the other

CREATING AND INTEGRATING THE PROVISIONAL RESTORATION

> Diagnostic wax-up
  - Occlusal adjustments of stone casts
  - Additive diagnostic wax-up
  - technical and clinical suggestions
  - Wax-up as prototype for provisional
> Provisional fabrication and integration
  - Requisites and materials
  - Modified indirect technique (MIT)
  - How to idealize the insertion of the shell before relining
  - Direct technique
  - Indirect technique
  - Fitting, insertion
  - Reinforced provisional
  - Relining, re-margining and finishing
  - Coloring, glazing and cementation
> Centering device
  - Facilitated insertion guide of the acrylic shell before provisional relining
> Anterior rehabilitation
  - PSM fabrication technique
  - Positioning in the oral cavity
> 1 arch and 2 arches rehabilitation
  - PSC fabrication technique
  - Positioning in the oral cavity
> The provisional as prototype for the final restoration

HANDS-ON TRAINING BY THE COURSE PARTICIPANTS

> Creation of an ideal anterior dental composition with the mock-up
  - The participants will modify a dental acrylic model with a severely worn dentition according to all the aesthetic parameters
  - Correction of the mock-up fabricated by the course participants according to the parameters illustrated in the theoretical session:
    - position
    - shape
    - proportion
    - alignment
    - symmetry
> How to properly fill in the esthetic checklist
  - facial analysis
  - dentolabial analysis
  - phonetic analysis
  - tooth analysis
> How to properly fill in the laboratory checklist for an efficient communication with the dental laboratory
  - Esthetic information
  - Occlusal plane vs commissural line – horizon
  - Position, shape and contour modifications
  - Overjet and Overbite modifications
  - Functional information
  - Impressions
  - Documentation
  - Color

More information on www.aceinstitute.it
A perfect state of health of gingival tissues is a pre-requisite before taking the final impressions as it will allow the clinician to better detect the prosthetic margins. The soft tissues conditioning around natural abutments and implants represents a challenging procedure for the clinician who has to achieve a perfect gingival outline for esthetic purposes as well as an appropriate biological integration respecting the soft tissues health. The final impressions, the impressions of the provisional restorations, all the occlusal registrations, and record of the facebow will place the technician in a position of being able to finalize the prosthetic rehabilitation correctly. Cross mounting the casts, creating the silicone indices and the preventive simulation (PS) of the definitive result will make it possible to faithfully replicate all of the characteristics of the functionalized provisional restoration, regardless of the type of restorative material selected.

Key:

T  Theoretical sessions
H  Hands-on training
L  Live demonstration
TOOTH PREPARATION
- Abutments selection
- Bio-mechanic principles of tooth preparation
- Necessary instruments and burs selection
- Instruments selection and use according to the clinical case
- Esthetic tooth preparation in the anterior area
- Step by step procedures of different tooth preparation techniques
- Light chamfer, deep chamfer, 50-degree shoulder, 135-degree shoulder, bevel, knife edge
- Differentiated tooth preparation
- Margins: supragingival, juxtagingival, intrasulcular, subgingival
- Minimally invasive tooth preparation (MIPP): new trends
- Maintenance of periodontal tissue health during all the preparation steps

IMPRESSION MATERIALS AND TECHNIQUES
- Impression techniques on teeth and on pontic areas
- Treatment of edentulous areas
- Gingival displacement
- Use of retraction cords or alternative techniques
- Management of soft tissues for intrasulcular preparations
- Step by step fabrication of a customized tray
- Selection of the impression materials:
  - Alginites
  - Polysulphides
  - Polyvinyl
  - Siloxanes
  - Polyethers

HANDS-ON TRAINING BY THE COURSE PARTICIPANTS
- Tooth preparation on dental models
  - Clinical and practical evaluation of the work posture
  - Direct and indirect view during the preparation steps
- Correction of tooth preparations
  - Correction of the preparation works fabricated by the course participants
- Movies showing all the step by step procedures

LIVE DEMONSTRATION ON PATIENT BY DR. FRADEANI
- Final tooth preparation
- Final impressions
- Provisional refining, refining, finishing
- Colour detection and transmission to the dental lab
- Discussion

MANAGEMENT OF SOFT TISSUES ON NATURAL DENTITION AND IMPLANTS
- Esthetic and biological integration on natural dentition
  - Pre-prosthetic surgery
    - Pre-prosthetic periodontal surgery for the esthetic optimization in the anterior sector
    - Minimally invasive surgical procedures: gingivectomy, attachment removal, buccal resective surgery
  - Periodontal surgery
    - Flap surgery: etiology, pathogenesis, differential diagnosis and therapeutic options
    - Preservative, resective, reconstructive therapies: indications and techniques
- Esthetic and biological integration on implants
  - Implant placement: immediate, delayed, early.
  - Advantages and disadvantages
  - Importance of the integrity of the cortical buccal bone
  - Soft tissues grafts: how, when and why
  - Delayed loading, immediate loading
  - Impression techniques and fabrication of provisional restorations
  - Tissue conditioning with the provisional in the anterior area
  - Alteration of the gingival levels and papilla through the modification of the provisional contour
  - Titanium and ceramic abutments
  - Replica of the transmucosal path
  - Use of “gingival” pink ceramic
  - Screwed and cemented prosthesis: advantages and disadvantages
  - Single implant in the anterior sector
  - Fixed rehabilitation on implants: step by step demonstration of clinical and laboratory phases
  - 3-D planning – update in implantology

FROM THE PROVISIONAL RESTORATION TO THE DEFINITIVE PROSTHESIS: DATA TRANSFER
- Verifying the integration of the provisional
- Impression of the provisional restoration
- Protrusive – interocclusal records – facebow
- Final impressions
- Visualizing the finishing line
- Occlusal registrations – anterior rehabilitations
- Occlusal registrations – rehabilitation of 1 arch
- Occlusal registrations – rehabilitation of 2 arches
- Recording and transmitting the colour

PRODUCING AND FINALIZING THE PROSTHETIC REHABILITATION
- Master casts (MC)
- Secondary casts (SC)
- Cross-mounting technique – anterior rehabilitation
- Cross-mounting technique – single arch rehabilitation
- Cross-mounting technique – two arches rehabilitation
- Customized anterior guidance
- Silicone indices
- Substructure try-in
- Preventive simulation (PS)
- Delivering the definitive restoration

More information on www.aceinstitute.it
The use of All-Ceramic partial restorations represents a valid alternative to complete crown restorations. Nowadays, a new clinical approach based on an innovative Minimally Invasive Prosthetic Procedure (MIPP), allows the maximum preservation of healthy tooth structure thus guaranteeing tooth vitality and a higher overall resistance of the restoration also thanks to the undeniable advantages offered by the adhesive cementation technique.

The availability of a wide range of ceramic materials (glass ceramic, alumina and zirconia) permits the achievement of excellent, long lasting esthetic result. Indications, advantages and disadvantages of every type of ceramic material available in the market will be illustrated and discussed during this Module as well as their use for the fabrication of bridges, crowns, veneers, full veneers, buccal and occlusal veneers, table tops and implant abutments. Long term data will be provided.
PORECLAIN FUSED TO METAL
- Myth or reality?
- When is it possible to use PFM today?
- When is it advisable to use PFM today?

ALL-CERAMICS
- The development of all-ceramics during the last decade

CERAMIC CROWNS
- Indications, possibilities and limits
- Clinical parameters for long-term success
- Glass-ceramics: Empress, e.max
- Alumina ceramics: In-Ceram, Procera
- Zirconia-based ceramics: Cercon, Lava, Procera
- 5 rules to avoid fractures
- Cementation techniques: conventional cements, adhesive cements
- 25-year clinical follow-up with different ceramic materials
- MIPP: New trends in restorative dentistry: the minimally invasive prosthetic procedure, principles and advantages

PARTIAL RESTORATIONS FOR POSTERIORS
- Onlays - Overlays
- Table tops
- Full veneers
- Buccal occlusal veneers

ADHESIVE CEMENTATION
- Try-in on patient with different translucency and coloured pastes
- Tooth surface and ceramic conditioning
- Correct use of dentine adhesive
- Bonding, refining and polishing

CERAMIC BRIDGES
- Ceramic bridges: new developments
- Zirconia, alumina and glass-ceramic bridges: reality or illusion?
- Possibilities and limits

CERAMIC ABUTMENTS ON IMPLANTS
- Reliability
- When should we use titanium abutments?

CERAMIC VENEERS
- The use of veneers to optimize esthetics and function
- Direct mock-up, indirect mock-up: diagnostic use
- Tooth preparation
- Tooth preparation design variability in accordance with the clinical case
- Tooth preparations: incisal shoulder, overlapped
- Maintenance of enamel or deepening in dentin
- Supragingival and intrasulcular tooth preparation
- Step-by-step procedure
- Provisional restorations
- Fabrication techniques, refining, refining and polishing
- How to maintain the provisional restorations in site until final bonding
- Spot etching technique
- Use of "natural Die material" posts
- Step-by-step preparation
- Step-by-step cementation

CERAMIC CROWNS
- Traditional preparations
- Preparations for full veneers
- Evaluation of marginal fit of the restorations
- Try-in paste procedure

FULL HD MOVIES
- Step-by-step tooth preparations
- Provisionals
- Final impressions
- Provisional fitting
- Provisional relining and finishing
- Bonding procedures

LIVE DEMONSTRATION ON PATIENT BY DR. FRADEANI
- Step-by-step tooth preparation for veneers and crowns
  - Veneers:
    - Buccal preparation
    - Incisal shoulder
    - Palatal extension
    - Interproximal preparation
  - Crowns:
    - Traditional preparations
    - Preparations for full veneers
    - Evaluation of marginal fit of the restorations
    - Try-in paste procedure
- Full HD movies
  - Step by step tooth preparations
  - Provisionals
  - Final impressions
  - Provisional fitting
  - Provisional relining and finishing
  - Bonding procedures

BISCUIT TRY-IN
- Interdental contact areas
- Colour evaluation
- Occlusal check
- Bonding procedures
  - Use of the dental dam?
  - Tooth surface management
  - Restoration surface management

CERAMIC VENEERS
- Feldspathic porcelain
- Glass ceramics
- Alumina ceramic
- Colour evaluation of the abutment and appropriate selection of ceramic ingots
- Contemporaneous finalization of crown and veneer in the anterior sector on the same patient

MORE INFORMATION ON www.aceinstitute.it
3-SERIES MASTER PROGRAM IN FIXED PROSTHODONTICS
THE ESTHETIC AND FUNCTIONAL REHABILITATION
Theoretical and practical sessions + live demonstrations

REGISTRATION FORM

The registration fee for the 3-Series program includes coffee breaks, 12 lunches and 3 dinners. The registration fee for the single course includes coffee breaks, 4 lunches and 1 dinner.

☐ COMPLETE 3-SERIES PROGRAM: (MODULES 1 + 2 + 3) Euros 9,900.00

☑ Module 1 – June 11-14, 2014
A comprehensive treatment plan for extensive rehabilitations: esthetic and functional evaluation Euros 3,900.00

☑ Module 2 – July 23-26, 2014
Esthetic, functional and biologic integration of the prosthetic rehabilitation on natural dentition and implants Euros 3,900.00

☑ Module 3 – September 10-13, 2014
Ceramic material selection from single restoration to full-mouth rehabilitation Euros 3,900.00

Online Registration available on www.aceinstitute.it click the “Enrollment” button in the top-right of the page

Name and Surname ____________________________

Speciality:☐ Prosthodontist ☐ General practitioner ☐ Periodontist ☐ Endodontist
☐ Technician ☐ Oral surgeon ☐ Orthodontist ☐ Other

Office Address ____________________________
Zip/Postal Code ____________________________ City ____________________________
Country ____________________________ VAT Nr. ____________________________
Tel. ____________________________ FAX ____________________________
E-mail ____________________________ Cell ____________________________

How did you hear about us? ____________________________

PAYMENT MODALITIES:
For credit card/PayPal payments please fill in the online registration form

Bank transfer:
Account holder: ACE Srl - Account number: 07400121035S
IBAN: IT35 N057 4813 3100 7400 1210 35S
Swift/BIC Code: IBSP IT 3P

Bank: Banca dell’Adriatico Pesaro 04010
Corso XI Settembre, 94 - 61121 Pesaro (Italy)

Reference: Please specify Module number

PAYMENT DEADLINES:
Complete 3-series program - Module 1 + 2 + 3:
2’000.00 euros initial deposit payable upon registration
5’800.00 euros 1st instalment payable within April 18, 2014
2’100.00 euros balance payable within July 15, 2014

Single program – Module 1 or 2 or 3
1’000.00 euros initial deposit payable upon registration
2’900.00 euros balance payable:
• within April 18, 2014 for Module 1
• within May 23, 2014 for Module 2
• within July 8, 2014 for Module 3

THANK YOU FOR SENDING COPY OF BANK TRANSFER TOGETHER WITH YOUR REGISTRATION FORM.

The registration is considered complete when the deposit payment is received at ACE Srl by bank transfer or credit card.

Cancellation policy: if for any major reason, the Lecturer will not be able to hold the course, the full registration fee will be refunded.

Complete 3-Series program: The initial deposit will be refunded only if cancellation is received in writing within March 17, 2014. A 200.00 euros fee will be withheld for refund processing. After that date the initial deposit will not be refunded. The first instalment will be refunded only if cancellation is received in writing within May 19, 2014. A 200.00 euros fee will be withheld for refund processing. After that date the first instalment will not be refunded. The balance will be partially refunded (Euros 2’100.00) only if cancellation is received in writing within September 3, 2014. After that date the balance will not be refunded.

Single Course: The initial deposit will be refunded only if cancellation is received in writing 30 days before the deadline of the balance payment. A 200.00 euros fee will be withheld for refund processing. After that date the initial deposit will not be refunded. The balance will be refunded only if cancellation is received in writing within 60 days before the course starts. A 200.00 euros fee will be withheld for refund processing. After that date the balance will not be refunded.

By signing this form I confirm that I have read and agreed to the terms and conditions of ACE Srl.

Date ____________________________

Signature ____________________________
The following recommended hotels are located seafront and at a walking distance from the ACE Institute. When making your reservation please make sure that you refer to your participation in Dr. Fradeani’s course so to get a special discounted rate.

**HOTEL EXCELSIOR**
Lungomare Nazario Sauro, 61100 Pesaro (PU)
tel.: +39 0721 32720 - fax +39 0721 35502
info@excelsiorpesaro.it / www.excelsiorpesaro.it
distance from the ACE Institute: 950 mt.

**HOTEL VITTORIA**
2, pl. della Libertà, 61121 Pesaro (PU)
tel.: +39 0721 34343 - fax: +39 0721 65204
vittoria@viphotels.it / www.viphotels.it
distance from the ACE Institute: 650 mt.

**CRUISER CONGRESS HOTEL**
281, vl. Trieste, 61100 Pesaro (PU)
tel.: +39 0721 3881 - fax: +39 0721 388600
cruiser@cruiser.it / www.cruiser.it
distance from the ACE Institute: 620 mt.

**HOTEL SAVOY**
22, Viale della Repubblica, 61121 Pesaro
tel.: +39 0721.67440- fax: +39 0721.64429
savoy@viphotels.it / www.viphotels.it
distance from the ACE Institute: 650 mt.

For any alternative solution you may want to contact APA Hotels - this association gathers all the hotels in Pesaro and they will be happy to find the best accommodation for you:

**APA HOTEL**
Associazione Pesarese Alberghatori
P.le della Libertà 10, 61121 Pesaro
Tel. +39 0721 67959 - fax +39 0721 65131
info@apahotel.it - www.apahotel.it

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**GENERAL INFORMATION**

**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. All the hotels mentioned below are right on the seaside and since the whole course program will be held during the tourist season it is recommended to make hotel reservations well ahead of time.

Pesaro is well connected by train with the following international airports: Rimini (30 minutes), Ancona (45 minutes), Bologna (1h30), Milan (3h00 hours) and Rome (3h00). Timetables and connections are available on www.trenitalia.it or www.ferroviedellostato.it.

If you are planning to rent a car, the distance from major airports to Pesaro is as follows: from Rimini, 30 kms; from Ancona, 50 kms; from Bologna, 135 kms; from Milan, 350 kms; from Rome, 370 kms.

Should you wish to have a transfer organized from/to the airport by car, we would recommend “Chiuselli” (www.chiuselli.com) a very reliable local company with English speaking drivers.

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**HOTEL ACCOMODATION**

The following recommended hotels are located seafront and at a walking distance from the ACE Institute. When making your reservation please make sure that you refer to your participation in Dr. Fradeani’s course so to get a special discounted rate.
TESTIMONIALS

"You have showed me a new horizon in Dentistry. Many thanks to be that generous and to show us everything about your amazing work."
Sarah Sirvent Mestre, England

"Thank you so much for such a shiny collection of brilliant smiles both on the screen and in the audience."
Maria Sych, Russia

"I continue to fall even more and more in love with esthetics thanks to Dr. Fradeani."
Margarida Cortez, Portugal

"Every doctor in the group was deeply impressed by Dr. Fradeani's personal character, devoting himself to all participants doing his best to find best way teaching and training and trying to be very flexible according to the participants' demand."
Ryohei Tonotsuka and the dentists from Japan

"I have started to treat one case accordingly to your protocol - it is not easy to all my team, but we are trying. I am really happy that I had an opportunity to teach from such a great lecturer, on other hand - it is my great honour to have a chance to learn from you personally."
Mieczyslaw Grzegock, Poland

"I want to thank Mauro Fradeani and his Masters program for teaching me how to do world class dentistry! I highly recommend it to everyone! Thank you Mauro for opening a new chapter in my professional life."
Ivan Miletic, Croatia