mod. 1 | 17-20 June 2015
A comprehensive treatment plan for extensive rehabilitations: esthetic and functional evaluation

mod. 2 | 22-25 July 2015
Esthetic, functional and biologic integration of the prosthetic rehabilitation on natural dentition and implants

mod. 3 | 9-12 September 2015
Ceramic material selection from single restoration to full-mouth rehabilitation

more info at www.maurofradeani.com
Mauro Fradeani, DMD, 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), Past President AIOP - Accademia Italiana di Odontoiatria Protesica (biennial 1999-2000), Visiting Associate Professor in Prosthetics at Louisiana State University - New Orleans (USA) from 1999 until 2008. He is author of the book “Esthetic Rehabilitation in Fixed Prosthodontics” - Vol. I and 2, and of several articles published in international scientific magazines. He is an active speaker for many conferences both in Italy and abroad on esthetics in fixed prosthodontics and implants. He runs a private practice limited solely to prosthetics in Pesaro (Italy)

Dr. Leonardo Bacherini  
MASTER TUTOR

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ACE Institute

The ACE Institute, Advanced Continuing Education Centre, was created in 2000 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 30 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.
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 provisional specimens serve as blueprint 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.
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

Theoretical sessions
Hands-on training
Live demonstration
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

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

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

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 esthetic 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
ABSTRACT  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.
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

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
  - Furcation treatments: etiology, pathogenesis, differential diagnosis and therapeutic options
  - Preservative, restorative, reconstructive therapies: indication 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

HANDS-ON TRAINING BY THE COURSE PARTICIPANTS

- Tooth preparation on dental models
- Correction of tooth preparations
- Movies showing all the step by step procedures

LIVE DEMONSTRATION ON PATIENT BY DR. FRADEANI

- Final tooth preparation
- Final impressions
- Provisional relining, refining, finishing
- Colour detection and transmission to the dental lab
- Discussion

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
ABSTRACT

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 an 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.
PORCELAIN FUSED TO METAL
- Myth or reality?
- When is it possible 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?
HANDS-ON TRAINING BY THE COURSE PARTICIPANTS
The participants will work on dental models in the dental laboratory
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
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, relining, 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 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
LIVE DEMONSTRATION ON PATIENT BY DR. FRADEANI
Full HD movies
- Step-by-step tooth preparations
- Final impressions
- Provisional and final tooth impressions
Finalization of the prosthetic work
- Organization of the staff
- Preparation of all the necessary materials and instruments for a fast and efficient finalization
Biscuit try-in
- Interdental contact areas
- Colour evaluation
- Occlusal check
Bonding procedures
- Use of the dental dam?
- Tooth surface management
- Restoration surface management
HOTELS IN PESARO

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 apply corporate rates to our course participants, so you are kindly invited to mention the ACE Institute or Dr. Fradeani’s name when making your reservation. For any further information on the offered services and on prices, please visit the websites of the hotels.

HOTEL EXCELSIOR
Lungomare Nazario Sauro
Tel.: +39 0721 32 720 - Fax: +39 0721 35 502
email: info@excelsiorpesaro.it - www.excelsiorpesaro.it
Distance from the ACE Institute: 950 mt

Cruiser Congress Hotel
281, vl. Trieste 61100 Pesaro (PU)
Tel.: +39 0721 3881 - Fax: +39 0721 388 600
email: cruiser@cruiser.it - www.cruiser.it
Distance from the ACE Institute: 620 mt.

HOTEL VITTORIA
2, p.le della Libertà 61121 Pesaro (PU)
Tel.: +39 0721 34343 - Fax: +39 0721 65204
email: vittoria@viphotels.it - www.viphotels.it
Elegant and refined hotel, centrally located
Distance from the ACE Institute: 650 mt.

HOTEL SAVOY
22 vl. della Repubblica, 61121 Pesaro (PU)
Tel.: +39 0721 67440 - Fax: +39 0721 64429
email: savoy@viphotels.it - www.hotelsavoypesaro.it
Distance from the ACE Institute: 650 mt.

Please be aware that these hotels offer some special rates through their online booking as well and sometimes these rates are even more convenient than the corporate ones. These offers are usually reserved to a particular period of time or to a specific room typology, but they also apply a different cancellation policy.

We suggest the course participants to take their time to check both possibilities (directly with the hotel by mentioning that they will participate to Dr. Fradeani’s course), and also via the online booking, in order to find the best price. Should you need any assistance with hotel reservation, please let us know and we will be happy to help you.

For any alternative hotel solution:
ASSOCIAZIONE PESARESE ALBERGATORI - A.P.A. HOTELS srl
- 10, p.le della libertà 61121 Pesaro (PU)
Tel: 0721 67959 - Fax: 0721 65135
email: info@apahotel.it - www.apahotel.it

HOW TO REACH US

Pesaro is well connected by train with the following international airports: Ancona (45 minutes), Bologna (1h30), Milano (3h30 hours) and Roma (3h30). 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
REGISTRATION FORM

☐ COMPLETE 3-SERIES PROGRAM
  MOD. 1 + 2 + 3
  € 9,900.00

☐ SINGLE COURSE
  MOD. 1
  MOD. 2
  MOD. 3
  € 3,900.00

Name and Surname

Office Address

Zip/Postal Code

City

Country

VAT nr.

Place of birth

Date of birth

Tel.

Fax

email

Speciality
  ☐ Periodontist
  ☐ Endodontist
  ☐ Prosthodontist
  ☐ Oral Surgeon
  ☐ Orthodontist
  ☐ Technician
  ☐ General practitioner
  ☐ Other

How did you hear about us?

Select:
  ex. Newsletter, Social Network, Search engines, Conferences, Colleagues, Magazines / Books, Word of mouth...

Date

Signature

PAYMENT MODALITIES

Bank Transfer
  Account holder: Mauro Fradeani Education Srl
  Account number: 00016870
  IBAN: IT91 X057 4813 3101 0000 0016 870
  Swift / BIC Code: IBSPIT3P
  Banca dell'Adriatico, filiale 04010
  Corso XI Settembre, 94 - 61121 Pesaro (PU) - ITALY

PAYMENT DEADLINES

Complete 3-series program - Modules 1+2+3
  € 2,000.00 initial deposit payable upon registration
  € 5,800.00 1st installment payable within April 25, 2015
  € 2,100.00 balance payable within July 15, 2015

Single program - Modules 1 or 2 or 3
  € 1,000.00 initial deposit payable upon registration
  € 2,900.00 balance payable
    - within April 25, 2015 for Module 1
    - within May 23, 2015 for Module 2
    - within July 10, 2015 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 within March 24, 2015. A € 200.00 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 within May 29, 2015. A € 200.00 fee will be withheld for refund processing. After that date the first instalment will not be refunded. The balance payment will be partially refunded (€ 2'100,00) only if cancellation is received in writing before September 3rd, 2015. 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 fee will be withheld for refund processing. After that date the initial deposit will not be refunded. The balance payment will be refunded only if cancellation is received in writing within 60 days before the course starts. A € 200.00 fee will be withheld for refund processing. After that date the initial deposit will not be refunded.
It has been a pleasure to attend your course. 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

Thank you so much for your wonderful lecture and time you spent with our China team.

Young-Chui Kwon