

1 YEAR CLINICAL MASTERS PROGRAM IN ADVANCED CONTEMPORARY PROSTHODONTICS



ANALOG & DIGITAL PATIENT CONCEPTS

ATHENS | GREECE



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MODULE 1 15-18 MAY 2024 | **MODULE 2** 11-14 JULY 2024
MODULE 3 04-07 SEPT. 2024 | **MODULE 4** 15-16 NOV. 2024

Certified by
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In collaboration with
gIDE Dental Institute & University of Munich



MASTERING CONTEMPORARY PROSTHODONTICS

Starting from a single tooth restoration to a full mouth reconstruction, Prosthodontics remains the basic foundation in clinical Dentistry involving basic steps like the diagnosis, treatment planning, tooth preparation, impression, model articulation, laboratory procedures and final delivery.

Current evolvement in computer technology (DSD, intraoral scanners, CAD/CAM procedures) enables a faster and sometimes easier workflow in some of these steps, but still basic prosthodontic rules need to be applied from the beginning till the end.

This 1-year curriculum aims to a comprehensive training in the field of prosthodontics starting from the clinical evaluation and documentation at the first appointment till the final delivery, including basic steps throughout the treatment.

Topics:

- Dental photography
- Diagnosis – treatment plan
- Digital smile design (DSD)
- Articulators and face bow
- Occlusal concepts in modern prosthodontics
- Maximum intercuspation (MI) vs centric relation (CR)
- Management of full arch-mouth cases increasing or reducing the VDO
- Tooth preparation designs in modern prosthodontics
- Reconstruction of endodontically treated teeth
- Modern prosthetic concepts on implant rehabilitations
- The digital patient concept
- CAD/CAM technology in prosthodontics
- Ceramic veneers
- The synergy between digital and analog workflow. When and how?
- Materials used in Prosthodontics. What has changed?
- Cementation procedures

In all sessions live patient demonstrations, and hands on will be performed. At the end of this curriculum all the participants will be able to complete a prosthetic rehabilitation starting from ceramic veneers to full mouth cases using updated modern concepts.



Module 1 (Athens)

15–18 May 2024

Dental photography-clinical evaluation diagnosis-DSD -treatment plan-Interdisciplinary dentistry: the biometric age

Instructors: Fl. Cofar, S. Pelekanos, I. Roussou, A. Ricci

DAY 1

09.00–10.30

Treatment position according to the prosthetic space. Occlusal registration (CR or MI)

I. Roussou

10.30–11.00

Coffee break

11.00–12.30

Altering the VDO according the prosthetic space. The use of anterior deprogrammer and occlusal splints.

I. Roussou

12.30–13.30

Light lunch

13.30–15.00

Full mouth rehabilitations. Diagnosis and treatment sequence.

I. Roussou

15.00–15.30

Coffee break

15.30–17.30

Practical Part (hands on). Anterior deprogrammer, Increasing the VDO, occlusal adjustment

I. Roussou

DAY 2

09.00–10.30

Concepts of modern prosthodontics (esthetic and functional analysis). Case analysis (esthetic and functional analysis).

Articulators and face bow.

S. Pelekanos

10.30–11.00

Coffee break

11.00–12.30

Practical Part I (hands on)

Anterior deprogrammer and occlusal splints on models

S. Pelekanos

12.30–13.30

Light lunch

13.30–15.00

Kois splint digital design. (Live demo)

S. Pelekanos

15.00–15.30

Coffee break

15.30–17.30

Practical Part (live patient)

Initial impression. Analog and digital workflow. CR registration using anterior deprogrammer.

S. Pelekanos

DAY 3

09.00–10.30

Digital smile design and its contribution in prosthodontics. Become the architect of the smile! Why to adopt the Digital Smile Design philosophy?

A. Ricci

10.30–11.00

Coffee break

11.00–12.30

What are the advantages of DSD? Interview and photo documentation
Diagnose functional and esthetic issues

A. Ricci

12.30–13.30

Light lunch

13.30–15.00

The facially generated Treatment Planning. And then? Convert the planning in an STL file to be printed. Outsource your design

A. Ricci

15.00–15.30

Coffee break

15.30–17.30

Photo and video documentation (LIVE DEMO)
Designing the new smile (LIVE DEMO on iPad App and/or Keynote)

A. Ricci

DAY 4

09.00–10.30

Esthetic and functional fundamentals.
2D – 3D – 4D process of design.

Fl. Cofar

10.30–11.00

Coffee break

11.00–12.30

Inconsistencies in the design steps. From mock-up to final restorations.
Addressing emergence profiles and models.

Fl. Cofar

12.30–13.30

Light lunch

13.30–15.00

Managing errors in occlusion and guided procedures.

Bottlenecks. Overcoming dark substrates and reductive scenarios.

Fl. Cofar

15.00–15.30

Coffee break

15.30–17.30

Mindset and tools for consistency and predictability.

Initial impression. Analog and digital workflow. CR registration using anterior deprogrammer.

Fl. Cofar

Prosthodontics on implants (from single to full mouth rehabilitation)

Instructors: An. Corradini, F. Mintrone, V. Fehmer, S. Pelekanos, G. Vergoulis

DAY 1

09.00–10.30

Treatment planning for single implants in the esthetic zone. Abutment design, selection (customized vs. prefabricated abutments, screw-vs. cement-retained) and treatment sequence

S. Pelekanos

10.30–11.00

Coffee break

11.00–12.30

How to perform immediate loading and provisionalization
The digital workflow in implant prosthodontics. The Mguide

S. Pelekanos – T. Spyropoulou

12.30–13.30

Light lunch

13.30–15.00

LIVE presentation of cases with single implants. Single implant digital impression (live demo)

S. Pelekanos

15.00–15.30

Coffee break

15.30–17.30

The Mguide, the VPI concept and provisionalization (hands-on)

S. Pelekanos

DAY 2

09.00–10.30

Treatment plan with implants in edentulous cases with different treatment modalities (fixed vs removable vs "retrievable"). Selecting the appropriate attachment and/or bar design for overdentures. Pink esthetics and how this need affect the treatment planning

S. Pelekanos

10.30–11.00

Coffee break

11.00–12.30

Materials used for full arch implant reconstructions

D. Liolios

12.30–13.30

Light lunch

13.30–15.00

Case demonstration (live demo)

S. Pelekanos

15.00–15.30

Coffee break

15.30–17.00

Cross mounting in full arch implant reconstruction (live demo). Case demonstration (video presentation)

S. Pelekanos

17.00–18.30

Supra-crestal implant complex. Building the foundation for long term stability

G. Vergoulis

DAY 3

09.00–10.30

Presentation of the concept of complete digitalization of the patients and of the consequent advantages that can derive from it in the analysis of the patient himself and consequently in the realization of prosthetic restorations.

Facebow: evident limits of traditional face-bows and analysis of possible assembly errors in the articulator deriving from them (traditional systems: according to the plans of C, FH and PH and the most revolutionary NHP).

Possibility of assembly in a digital articulator and use of digital face-bows with the different methods described and real advantages that can derive from them.

Implementation into the articulators with the individual condylar values deriving from the recordings with a latest generation computerized axiograph systems.

An. Corradini

10.30–11.00

Coffee break

11.00–13.00

Presentation of clinical cases performed with the methods described and analysis of patients in their different related positions.

Presentation of clinical cases processed with the help of all the digital systems listed: (2D pictures - 3D Face scans pictures - Digital Facebows - CAD design softwares - CAM devices and manual prosthesis manufacturing, refining, finalizing).

An. Corradini

13.00–14.00

Light lunch

13.30–15.00

Staged extraction approach: Transition from hopeless dentition to full-arch fixed-implant-supported rehabilitation.

The role of digital workflow and technologies at the service of immediately loaded full-arch complex implant restorations.

V. Fehmer

15.00–15.30

Coffee break

15.30–17.30

Implants as strategic abutments to improve esthetics and function of removable partial denture design.

Immediate loading: Linking prosthetics and surgery.

V. Fehmer

DAY 4

09.00–10.30

Esthetic and functional analysis as base in prosthodontics.

Facebow vs natural head position.

Ideal orientation of the occlusal plain in prosthodontics.

F. Mintrone

10.30–11.00

Coffee break

11.00–13.00

Traditional vs Digital: when and why choose the digital path. Intraoral scanning: scanning protocol and precision.

The digital patient concept.

F. Mintrone

13.00–14.00

Light lunch

13.30–15.00

From the single tooth to the full mouth rehab. From the first to the last generation of Zirconia: an evolving material Cementation matter of our digital materials.

F. Mintrone

15.00–15.30

Coffee break

15.30–17.30

Digital patient concept (live demo).
Supra-crestal implant Complex. Building the foundation for long term stability.

F. Mintrone

Instructors: S. Pelekanos, N. Mykhaylyuk

DAY 1

09.00-10.30

Hands on: Demonstration and hands-on of teeth preparation for different types of veneers/onlays

N. Mykhaylyuk

10.30-11.00

Coffee break

11.00-13.00

Hands on: Demonstration and hands-on of teeth preparation for different types of veneers/onlays

N. Mykhaylyuk

13.00-14.00

Light lunch

14.00-15.00

Demonstration and hands-on of different techniques of using rubberdam

N. Mykhaylyuk

15.00-15.30

Coffee break

15.30-17.30

Demonstration and hands-on of different techniques of using rubberdam

N. Mykhaylyuk

DAY 2

09.00-10.30

Ceramic veneers – materials and step by step clinical procedures

S. Pelekanos

10.30-11.00

Coffee break

11.00-12.30

Ceramic veneers – cementation procedure, theory and clinical video presentation

S. Pelekanos

12.30-13.30

Light lunch

13.30-15.00

Live case transmission (Athenasmile Pelekanos) – veneer cementation

S. Pelekanos

15.00-15.30

Coffee break

15.30-17.30

Hands on – silicon indexes, and practical veneer cementation

S. Pelekanos

DAY 3

09.00-10.30

Indications for ceramic veneers and onlays

Rules of preparation.

Fabrication of ultra-thin provisional restorations

Secrets of isolation.

Bonding procedures step by step

Presentation.

N. Mykhaylyuk

10.30-11.00

Coffee break

11.00-12.30

Indication for minimally – invasive treatment.

Wax-up, mock-up, transfer of info to the lab.

Possible problems and mistakes.

N. Mykhaylyuk

12.30-13.30

Light lunch

13.30-15.00

Importance of magnification of MI treatment.

Choice of instrument for preparation.

Burs and enamel chisels.

N. Mykhaylyuk

15.00-15.30

Coffee break

15.30-17.30

Preparation for veneers/onlays. Step by step protocol (demo & hands on).

Fabrication of ultra-thin provisional restorations (demo & hands on).

N. Mykhaylyuk

Module 4 (Munich)

15–16 Nov. 2024

Introduction into CAD/CAM-Technology, Practical Exercises in Pretreatment, Preparation and Adhesive Technique

Instructors: Prof Dr. Edelhoff and team

DAY 1

THEORETICAL PART

Essentials, Biomechanics, Etiology of "Worn Dentition", Diagnostics, Esthetic and Functional. Analysis, Digital tools in Communication for Teamwork Dentist- Lab technician, Treatment planning, Wax- up, Mock-up, New options in Esthetic and Functional "Test-drive" with the Munich Splint Concept, Material selection including new CAD/CAM-Materials.

Single tooth restorations: Veneers, Onlays. CAD/CAM-fabricated Zirconia based cantilevered resin bonded FDPs (CRBFDP), Preparation, Munich Splint Concept: Simplified procedures in complex rehabilitations, Step-by-step, Case demonstrations. Demonstrations of CAD/CAM – Materials and CAD/CAM – Systems including Munich Splints

DAY 2

PRACTICAL PART I

- Munich Concepts
- Preparation of different Veneer – types & CRBFDP on Simulating Units

PRACTICAL PART II

- Munich Concepts
- Preparation of Occlusal onlays with new Prep. – Sets on Simulating Units

PRACTICAL PART III

- Munich Concepts
- Demonstration of Intraoral Scanners



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