



**MERIMNA
INSTITUTE**

DENTAL
EDUCATION
INSTITUTION

CURRENT CONCEPTS IN AMERICAN DENTISTRY

Minor Tooth Movement

AN ADVANCED PROGRAM
FOR THE GENERAL
PRACTITIONER

- The most advanced self-ligating bracket system
- The use of clear removable appliances
- Cutting edge typodonts to learn & practice
- Treatment of cases from your offices

A HANDS-ON
PARTICIPATION COURSE BY
DR. MARTIN B. EPSTEIN



Greece International Course

Athens

4 SESSIONS

New York

1 SESSION

Five separate sessions divided
over a 2-year period

2024-2026

Organized by Merimna Institute | Dental Education Institution



NYU | DENTISTRY

Linhart Continuing Dental Education Program

THE TRAINER



DR. MARTIN B. EPSTEIN

- Former Clinical Associate Professor, Department of Orthodontics Post-Graduate Division, New York University College of Dentistry
- Diplomate of the American Board of Orthodontics
- Teacher of the Year Award – NYU College of Dentistry, Postgraduate Orthodontics
- Presented courses and seminars extensively in Europe, Asia and South America
- Written numerous articles in American and International Orthodontic publications
- American Dental Association Certificate of Recognition – for volunteer service in a foreign country
- Manuscript Review Committee: American Journal of Orthodontics and Dentofacial Orthopedics
- Private practice of Orthodontics over 30 years

GENERAL INFORMATION

This course is designed for the general practitioner interested in integrating basic tooth movement principles into their daily practice. Participants will be provided with an overview and practical knowledge of all facets of tooth movement with both fixed and removable appliances. Understanding and basic training in the diagnosis and treatment planning of malocclusions will be stressed.

Management for these patients will include the information and training necessary to be able to efficiently use a wide variety of modern state-of-the-art appliances. Proper recognition and management of problems in the developing dentition will be detailed.

Specific requirements include:

ATTENDANCE :

4 Sessions of four days (Thursday-Sunday) at Merimna Institute, Athens, Greece and 1 Session (Thursday-Sunday) at NYU College of Dentistry Linhart Continuing Dental Education Program, New York.

Participants has to complete the program in five separate sessions divided over a two-year period.

WRITTEN REPORTS:

Participants must complete a written report on a topic to be determined by NYU College of Dentistry Linhart Continuing Dental Education Program. Written reports must be typed. Recommended report length is 15-25 pages. A list of scientific references should be included. The written report may be in English or another language if the participant is not able to communicate in English. However, if English is not the language selected, a one-page summary in English must be included.

CASE PRESENTATIONS:

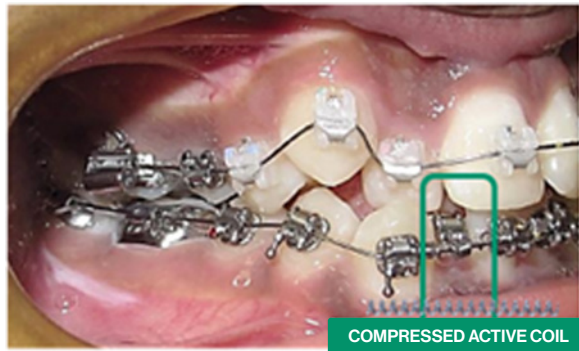
During the final session, participants are required to document and formally present two (2) clinical cases performed and completed in their private practices.

PROGRAM COMPLETION:

Upon successful completion of all program requirements, a **Certificate of Achievement will be awarded by NYU College of Dentistry Linhart Continuing Dental Education Program.** Please note this certificate program is not applicable to any formal degree program but is an acknowledgement of the participants' commitment to professional growth and development.

The final decision for fulfilling the requirements is the responsibility of the Assistant Dean for Continuing Education.

THE COURSE



ISSUES COVERED WILL INCLUDE:

- Biology of tooth movement
- Diagnosis and clinical evaluation
- Cephalometrics
- Facial esthetics
- Differential treatment planning
- Digital Workflow Platform

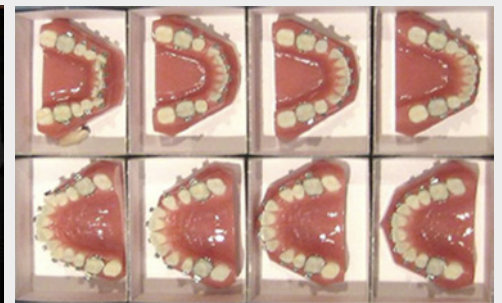
The scope of the course will include intensive hands-on participation with state-of-the-art typodonts that simulate actual tooth movement with a series of interactive models to follow all of the steps to correct a full malocclusion. Flexible models with special shape memory material, removable teeth and the exact brackets and molar bands used in the technique.

TOPICS INCLUDED WILL EMPHASIZE:

- Early treatment for the younger patient
- Extraction and non-extraction treatment
- Adult treatment methodology using fixed appliances and clear aligner treatment
- Diagnosis and treatment planning for implants
- Management of Class II and Class III patients
- Finishing treatment protocol and retention

Participants will learn precision bracket placement techniques and molar banding, archwire selection and fabrication. Contemporary mechanics using light continuous force systems will be discussed in detail. The use of the newer temperature activated shape memory archwires will be explored. **Sufficient selection of the instruments and materials necessary to carry out treatment will be included in the course kit.**

Upon completion of the sequence, the general practitioner will have developed the skills necessary to recognize and successfully treat a wide variety of tooth movement situations in a predictable and efficient manner. This will be accomplished by the integration of actual cases from the participant's own offices.



Over the series you will be encouraged to bring diagnostic records of your own patient's to the course. We will treatment plan and design the appliances necessary to carry out successful and efficient protocols for these patients.

INTRODUCTION

Introduction and course overview

What is a malocclusion: classification systems, normal patterns, types of Class II & Class III patterns

ARMAMENTARIUM

COURSE KITS: complete selection of instruments, brackets, archwires and auxiliaries needed for the entire course

TYPODONTS: state-of-the-art typodonts that simulate actual tooth movement with a series of models to follow all of the steps to correct a full malocclusion. Flexible models with special memory like material, removable teeth and the exact brackets and molar bands used in

BANDING, BONDING & BRACKET PLACEMENT

Hands-on typodont sessions: actual bonding of brackets, use of measuring gauges

Banding and bonding of brackets and other attachments with theory and methodology

Separation and molar banding techniques

ARCHWIRES & LIGATION

Archwires-properties, types of archwires and clinical applications

Ligation of brackets on typodonts, discussion of methods and techniques

Hands-on typodont sessions: basics of wire bending, initial archwire placement, loop and circle designs, lacebacks, center & off-center bends

THE DIGITAL ERA

Using new technology: digital workflow platform, digital scanning, 3-D printing

DIAGNOSIS

Introduction to diagnosis: establishing a comprehensive database, evaluation of facial esthetics

Comprehensive database: the key to diagnosis

Clinical evaluation: how to perform a complete clinical examination

Diagnostic records a step-wise approach to cataloging the database [use of exam form]

Differential diagnosis: evaluation of skeletal and dental relationships

Facial analysis: integration into database

Hands-on sessions: performing a thorough clinical examination and recording of findings

DIFFERENTIAL FORCE SYSTEM [DFS]

Introduction to the treatment philosophy [Part I]

Evolution of bracket design and bracket features

Selection of suitable cases for initial treatment: participants will select patients to treat and follow through the course. Guidelines discussed to evaluate ideal cases from your own office and document each step of treatment. Cases are diagnosed, treatment planned and followed through all stages.

Doctors have the benefit of treating actual cases and presenting progress documentation to the group at each session.

COURSE PARTICIPANTS CLINICAL CASES [EACH SESSION OF COURSE]

Presentation of student's individual cases

Diagnosis and treatment planning of student's own cases

Discussion and evaluation of progress cases



CEPHALOMETRICS

Introduction to cephalometrics and coordination with treatment planning Basics of digitizing and tracing with state-of-the-art computer based programs.

Cephalometric landmarks: how to identify, understand and use the landmarks

Cephalometric analysis: how to integrate with diagnosis

Cephalometric superimposition: technique to study growth and treatment results

Cephalometric typical patterns: understanding usual and customary skeletal patterns

BIOLOGY OF TOOTH MOVEMENT

Theory of tooth movement: types of tooth movement, tooth movement variables

DIFFERENTIAL SLOT SIZE TECHNIQUE [DSS]

Treatment philosophy of the technique [Part II]

Stages of treatment: divided into 7 specific treatment goals

ANCHORAGE

Principles of action and reaction, biomechanics of forces, couples, moments

Anchorage appliance theory and design, anchorage loss and solutions

TREATMENT PLANNING

Introduction to the basic tools of understanding

Growth modification: techniques and rationale used for skeletal changes

Dental camouflage: techniques and rationale of dental versus skeletal changes

Extraction patterns: analysis of dental arch length and treatment options for deficiencies

Surgery: consideration for treatment [introduction]

Putting it all together: integration of principles of diagnosis and treatment planning

SPACE MANAGEMENT

Canine retraction: principles, rationale and techniques

Anterior retraction: principles, rationale and techniques

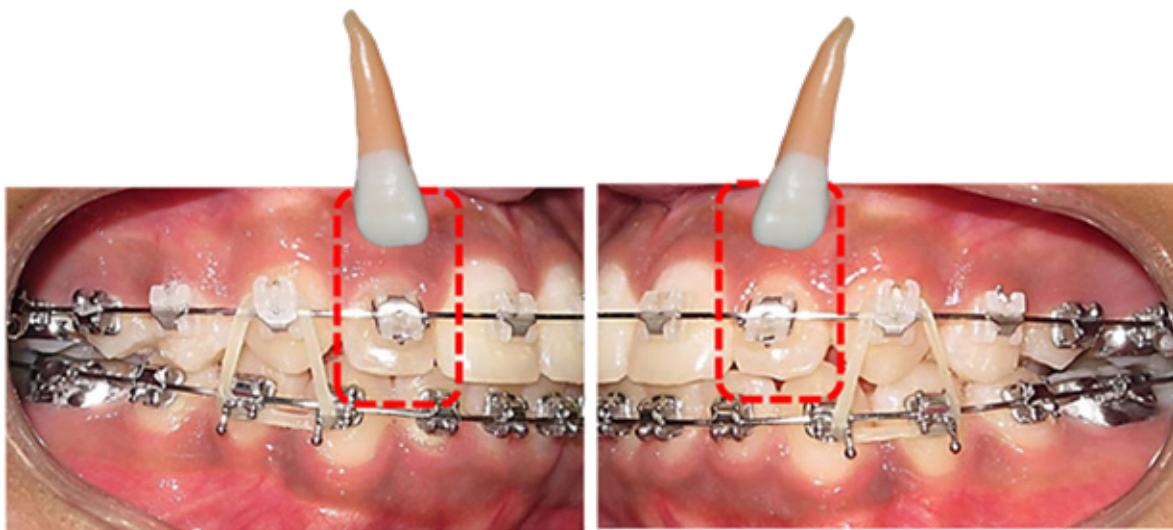
Hands-on typodont sessions: practical application of retraction techniques, helical loops

COURSE PARTICIPANTS

CLINICAL CASES

[EACH SESSION OF COURSE]

Presentation of student's individual cases
Diagnosis and treatment planning of student's own cases
Discussion and evaluation of progress case



EARLY TREATMENT [INTERCEPTIVE]

Diagnosis and treatment planning of patients in the mixed dentition
Removable appliances to treat anterior crossbites, habit treatment with removable and fixed appliances
Functional crossbites and mandibular deviations
Class III treatment with protraction headgear and expansion [Part I]
Class II treatment with mandibular propulsion appliances [Part I]
Treatment for injuries and avulsed teeth
Extraction decisions in the mixed dentition
Space maintenance and space regaining for early loss of teeth

Hands-on typodont sessions: use of 2 by 4 mechanics, stopped arches, advancement arches, tipback bends, toe-in bends

PALATAL EXPANSION [TREATING THE TRANSVERSE DIMENSION]

Theory and application of expansion of the maxillary arch
Banded types of expanders: design and usage of various styles
Bonded types of expanders: design and usage of various styles
Other types of expanders: designs that do not open the suture

DIFFERENTIAL FORCE SYSTEM [DFS]

Introduction to the treatment philosophy [Part III]

Stages of treatment: divided into 7 specific treatment goals
Preparation phase of treatment and selection of anchorage appliances

Leveling and aligning phase: archwire selection and strategy
Class I and midline attainment principles
Vertical and transverse considerations

SPACE MANAGEMENT

Posterior protraction: principles, rationale and techniques

Hands-on typodont sessions: practical application of protraction techniques

DIAGNOSIS & TREATMENT PLANNING

Integration to actual cases with differential treatment planning

Diagnostic exam session: case material presented from actual completed patients records and reviewed by course participants for their diagnosis and treatment plans.

Use of specific diagnostic forms to establish the comprehensive database

COURSE PARTICIPANTS CLINICAL CASES [EACH SESSION OF COURSE]

Presentation of student's individual cases
Diagnosis and treatment planning of student's own cases
Discussion and evaluation of progress case



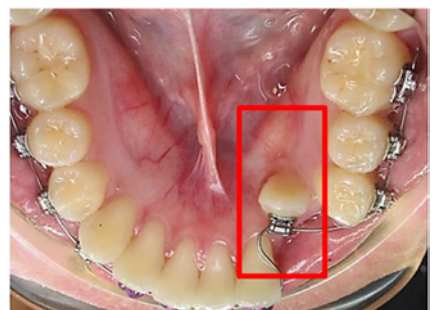
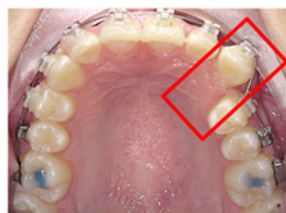
Attachments and Class II buttons



FINAL alignment



Clear retainers with pontics



NON-EXTRACTION TREATMENT

Guidelines for the selection of a non-extraction treatment plan
Diagnosis and treatment planning for maxillary molar distalization
Non-extraction faces: principles for diagnostics in non-extraction facial esthetics

INTERPROXIMAL ENAMEL REDUCTION

Theory and application of enamel reduction
Techniques and methodology of enamel reduction with posterior teeth
Treatment details: case studies of various situations requiring additional space management
Anterior tooth reduction techniques and treatment

CLASS II MALOCCLUSIONS: DIAGNOSIS & TREATMENT PLANNING

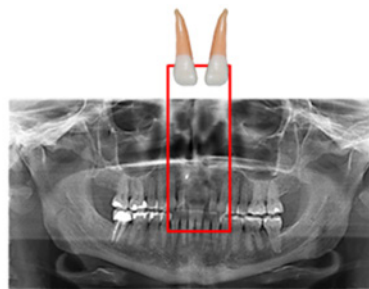
Diagnosis and treatment planning of the six typical Class II patterns
Treatment of severe cases in the mixed dentition with mandibular advancement appliances
Diagnosis and treatment of mandibular based problems
Diagnosis and treatment of maxillary based problems

CANINES: DIAGNOSIS & TREATMENT OF IMPACTED TEETH

Treatment planning for the compromised positioned canines
Diagnosis of canine positions in the developing dentition
Canine exposure: planning and methods of surgical uncovering of impactions
Cone beam technology for diagnosis and the use of diode lasers for soft tissue impactions
Treatment details of cases with various methods of bringing impacted canines into the arch
Hands-on typodont sessions: use of step-down arches with circles, NiTi coil techniques, piggy-backs



UPPER ARCH
With pontics for both centrals



Missing both upper central incisors
Will need two Implants



ADVANCED DIAGNOSIS & TREATMENT PLANNING [PART I]

Integration to actual cases with differential treatment planning for the more complex cases
Diagnostic exam session: case material presented from actual completed patients records and review by course participants for their diagnosis and treatment plans.
Use of specific diagnostic forms to establish the comprehensive database

ADULT & INTERDISCIPLINARY TREATMENT [PART I]

Periodontal and osseous considerations in adult treatment
Treatment for adult requiring implants and prosthetics
Adjunctive treatment planning for prosthetics
Molar uprighting techniques
TMJ diagnosis and treatment planning considerations

CLEAR ALIGNER TREATMENT [PART I]

Treatment planning for adults and adolescents with clear removable appliances
Use of interproximal enamel reduction to gain space to align teeth
Impression taking techniques and the ideal bite registration method
Advanced treatment planning of extraction cases with Invisalign
How to do an effective and predictable Clincheck
Theory, design and preparation of attachments

CLASS III MALOCCLUSIONS: DIAGNOSIS & TREATMENT PLANNING

Interceptive treatment in the mixed dentition with protraction facemask therapy
Facemask modifications and integration of palatal expansion
Removable appliances for early treatment
Camouflage treatment without surgery in the adolescent

COURSE PARTICIPANTS CLINICAL CASES [EACH SESSION OF COURSE]

Presentation of student's individual cases
Diagnosis and treatment planning of student's own cases
Discussion and evaluation of progress cases



with Clear Aligners & Interdisciplinary Dentistry

ADULT & INTERDISCIPLINARY TREATMENT [PART II]

Periodontal and osseous considerations in adult treatment
Treatment for adult requiring implants and prosthetics
Adjunctive treatment planning for prosthetics
Molar uprighting techniques
TMJ diagnosis and treatment planning considerations

CLEAR ALIGNER TREATMENT [PART II]

Treatment planning for adults and adolescents with clear removable appliances
Use of interproximal enamel reduction to gain space to align teeth
Impression taking techniques and the ideal bite registration method

THE VERTICAL DIMENSION

Treatment of open bite malocclusions
Treatment of deep bite malocclusions and the use of bite turbos with Hands-on typodont sessions

OCCCLUSION

Principles of occlusal analysis, six keys to establishing ideal occlusion

ADVANCED DIAGNOSIS & TREATMENT PLANNING [PART II]

Integration to actual cases with differential treatment planning for the more complex cases

Diagnostic exam session: case material presented from actual completed patients records and review by course participants for their diagnosis and treatment

IMPLANTS USED IN TREATMENT

Theory and management of implants in diagnosis and treatment planning decisions

FINISHING TREATMENT PROTOCOL

Pre-finishing checklist for the identification and management of the final stages of treatment
Diagnostics of finishing and how to observe the dentition in the proper manner
Finishing archwire selection and application
Final posterior alignment and use of second molar attachments

Hands-on typodont sessions: use of canine offset bends, artistic bends, swinging gates, piggy-back arches, torque application

ESTHETIC RECONTOURING

Techniques for recontouring of incisal edges for worn and abraded teeth
Treatment details of cases requiring recontouring

RETENTION PROTOCOL

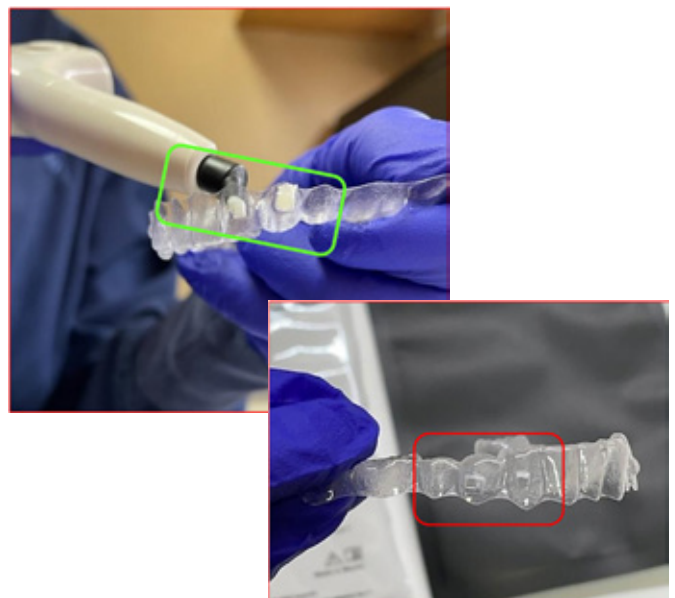
Theory and management of the retention phase of completed treatment

Removable retainers: design and usage
Spring aligners for final tooth correction and relapse cases

Bonded retainers: design and applications; polyethylene ribbon type retainers

THE FINANCIAL SIDE OF TREATMENT

Discussion of fees and financial matters to make treatment profitable and cost effective



DATES

SESSION #1	SEPTEMBER 2024 (4 days)	Merimna Institute, Athens
SESSION #2	MAY 2025 (4 days)	Merimna Institute, Athens
SESSION #3	NOVEMBER 2025 (4 days)	NYU Dentistry, New York Linhardt Continuing Dental Education Program
SESSION #4	MAY 2026 (4 days)	Merimna Institute, Athens
SESSION #5	SEPTEMBER 2026 (4 days)	Merimna Institute, Athens

GENERAL INFORMATION

Program Fees: 12.000 €

Includes for every participant:
Introductory course material Kit
Handouts of the program
Coffee breaks & Lunches
+ Roundtrip Air Tickets Athens – New York – Athens
+ 5 overnight stays at New York

Language: The official language of the Course is **English**

This is a tentative arrangement of topics, the exact order to be determined as course progresses.

Certificate of Achievement

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REGISTRATION

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Dental Education Institution

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LOCATIONS



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NYU | DENTISTRY

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