Orthodontic Success Program™
Practical Clinical Application of the Biology of Facial Growth

Course II: Practical Clinical Application of the Biology of Facial Growth for Optimal Treatment Outcomes

Course II offers a total of 24 nationally recognized CE Credits. Each member will have full access to the Facial Beauty Institute Reference and Research Library and the interactive discussion message board.

A special optional session will be offered on Friday night to allow interested course members the opportunity to personally engage with the course instructors in an open one-on-one discussion expanding on the changing foundation of the Facial Growth Guidance Concept. This optional session will begin at 6:30 p.m. until 9:00 p.m.

Each member will submit the prepared cases from the Course I Assignment. These cases will be individually evaluated prior to the Sunday morning Individual Treatment Planning Session. Those who utilized the complementary OrthoMatrix Diagnostic Program will only need to submit the patient identification code.

Day 1: Course II begins at 8:30 a.m.; Course II ends at 5:00 p.m. 15 minute break at 10:15 a.m. and 2:45 p.m. Lunch on your own at 12:00 noon until 1:00 p.m.

7:00 a.m. Registration and sign in with continental breakfast
8:30 a.m. Dr. Bromage and Dr. Galella will provide a condensed review of:

1. The Biology of Growth and Dynamic Changes of the Cranium/Maxilla/Mandibular Complex
   A. Growth, Airway, Genetic Tendencies, Staying Alive
      i. Simplifying the Biology of Growth
      ii. Influence of genetics
      iii. Dynamics of growth
         a. Permanent vs. reversible
         b. Why growth appliance work
         c. Long term stability
   B. Factors effecting the Biology of Growth
      i. The Influence of Soft Tissue on Growth
      ii. Mouth breathing vs. Nasal Breathing
      iii. The importance of a competent lip seal
      iv. Tongue position and habits
      v. The “Big 3”
   C. Controlling the growth direction
      i. Influencing genetic tendencies for facial bone remodeling
      ii. Wolff’s Law
      iii. The “Big 3”
   D. The importance of establishing accurate indicators of aberrant growth
      i. Interpreting the markers
      ii. Sequencing the required biological changes
9:15 a.m. Dr. Galella will address: Malocclusions: What are the causative factors and how they are permanently corrected?
   1. Classifying Malocclusions
   2. Understanding the meaning of each malocclusion
   3. Using an Interactive Program to assess each malocclusion
   4. Easily identifying each malocclusion

9:45 a.m. Dr. Galella: Introduction to Growth Guidance Appliances
   1. Definition of Growth Guidance Appliances
   2. History of Growth Guidance Appliance
   3. Modern concepts in appliance design

10:15 a.m. Break

10:30 a.m. Dr. Galella: MX Removable Anterior Growth Guidance Appliance:
   1. Detailed description and design
   2. Required adjustments
   3. Clinical decision making during treatment
   4. Instructions to patient and parents
   5. Expectations of patient, parent and clinician
   6. Review of cases
      i. Clinical Application
      ii. Excellent results
      iii. Compromised results (poor compliance)

12:00 noon Lunch

1:00 p.m. Dr. Galella: MX Fixed Growth Guidance Appliance
   1. Detailed description and design
   2. Required adjustments
   3. Clinical decision making during treatment
   4. Instructions to patient and parents
   5. Expectations of patient, parent and clinician
   6. Review of cases
      i. Clinical Application
      ii. Excellent results
      iii. Compromised results (poor compliance)

2:45 p.m. Break

3:00 p.m. Dr. Galella: MX Tongue Thrust Appliance
   1. Detailed description and design
   2. Importance of Oral Myology Therapy during appliance use
   3. Ankyloglossia: Tongue tied
      i. Clinical Assessment
      ii. Consequences
      iii. Successful Treatment
   3. Required adjustments
   4. Clinical decision making during treatment
   5. Instructions to patient and parents
   6. Expectations of patient, parent and clinician
   7. Review of cases
      i. Clinical Application
      ii. Excellent results
      iii. Compromised results (poor compliance)

5:00 p.m. Adjourn
Day 2: Course II begins at 8:30 a.m.; Course II ends at 5:00 p.m. 15 minute break at 10:15 a.m. and 2:45 p.m. Lunch on your own at 12:00 noon until 1:00 p.m.

7:00 a.m. Continental breakfast
8:30 a.m. Dr. Galella: MN Williams Appliance and MN Sweep Appliance
   1. Detailed description and design
   2. Required adjustments
   3. Clinical decision making during treatment
   4. Instructions to patient and parents
   5. Expectations of patient, parent and clinician
   6. Review of cases
      i. Clinical Application
      ii. Excellent results
      iii. Compromised results (poor compliance)
9:30 a.m. Dr. Galella: MX/MN FRLAs (Holding appliances to prevent relapse)
   1. Detailed description and design
   2. Required adjustments
   3. Clinical decision making during treatment
   4. Instructions to patient and parents
   5. Expectations of patient, parent and clinician
   6. Review of cases
      i. Clinical Application
      ii. Excellent results
      iii. Compromised results (poor compliance)
10:15 a.m. 15 minute break
10:30 a.m. Dr. Galella and Dr. Simmons will present cases based on the questions and scenarios posed by course members.
12:00 noon Lunch Break on your own
1:00 p.m. Dr. Steve Galella and the Orthodontic Success Program staff will oversee a detailed hands-on session where each course member will work with each appliance on multiple models with various malocclusions and disharmonies. Appliance insertion adjustments, expectations, trouble shooting, and in-treatment modifications will be mastered.
2:45 p.m. Break
3:00 p.m. Dr. Galella will present the effects of Cranial Strain on malocclusions, TMJ disorders, and compromised airways.
   1. Definition of Cranial Strain
   2. Types of Cranial Strain
   3. Causes of Cranial Strain
   4. Correction with Growth Guidance Appliances
   5. Stability
5:00 p.m. Adjourn
6:30 p.m. Optional question and discussion time for course members with Dr. Bromage, Dr. Galella, Dr. Simmons and the Orthodontic Success Program Staff.
Day 3: Course II begins at 8:00 a.m.; Course II ends at 4:30 p.m. 15 minute break at 10:00 a.m. and 2:30 p.m. Lunch on your own at 12:00 noon until 1:00 p.m.

7:00 a.m. Continental breakfast
8:00 a.m. Dr. Bromage and Dr. Galella will present their current research which redefines the methods by which the facial skeleton can be modified through Growth Guidance Appliances.
   1. 3D CBCT before-and-after overlay imaging demonstrating the facial changes.
   2. Enlow’s predicted changes in growing patients
   3. Compensatory bone remodeling in non-growing patients
   4. Type of bone formed by the Fixed Growth Guidance Appliances
   5. Observations and Opinion of this ongoing research
   6. Invitation by Dr. Bromage to participate in this historic research project
10:00 a.m. Break
10:15 a.m. Cases submitted on day 1 will be triaged for group discussion with a representative sample of each case type. The diagnosis, treatment plan and treatment sequence will be discussed along with various clinical scenarios. Clinical decision making checklists and logic will be presented.
12:00 Noon Lunch Break
1:00 p.m. Cases submitted by the course members will be reviewed on a one-on-one basis by the Orthodontic Success Program Instructors.
2:30 p.m. Break
2:45 p.m. The importance of using predictable orthodontic finishing techniques such as the ControlledArch® System for orthodontic treatment after using Fixed Growth Guidance Appliances.
   1. Introduction to the ControlledArch® System
   2. Additional orthodontic finishing resources
3:45 p.m. The Orthodontic Success Program Instructors will present:
   1. Marketing Strategies
   2. Incorporating Growth Guidance into your practice
      a. Scheduling
      b. The business end
      c. Record keeping
      d. Team building for success
      e. Strategies for long term success
   3. Support Program
4:30 p.m. Adjourn