Course Objectives and Goals:
The Ortho Mini Residency is a five-week program administered by the UAB School of Dentistry Department of Orthodontics and the UAB Continuing Dental Education Department. This course aims to educate dentists on basic orthodontic concepts and prepare interested applicants to successfully integrate into UAB's International Orthodontic Certificate Program if accepted.

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The course will consist of 4 weeks of virtual classes held live via Zoom. Each candidate will then schedule a week with the department for a rotation at the School of Dentistry. You will be required to attend class in person for this week in Birmingham, Alabama.

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Prerequisites:
Candidates must possess a DMD/DDS or equivalent and have successfully completed an accredited dental program in a country other than the United States or Canada.

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Official transcripts from all colleges/universities attended are required. Furthermore, candidates will be required to provide documentation of having passed TOEFL (Test of English as a Foreign Language).

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Candidates should have passed the NBDE Part I or integrated exam before acceptance into the Mini Residency Program

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Time and Location: Spring Term 2021; May 3rd – June 2nd - plus a one week rotation to be scheduled through the Orthodontic Department- SDB 317.

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Attendance: Attendance is required for all students. Under unforeseen and special circumstances, students should inform the course master that they are not able to attend.

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Student Evaluation: There are two written examinations on Mosby's Orthodontic Review Textbook, and two written examinations on Biomechanics. In addition, during the Mosby's book and biomechanics class, students are evaluated through Q&A on didactic material and patient's records that is presented to them during each session. Furthermore, they are expected to pass the wire bending exercises.

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Remediation: The student will have an opportunity to discuss the projects with the course master in order to obtain the pass rate.

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Accommodations: If you have a disability, please make an appointment with one of the course directors as soon as possible to discuss accommodations that may be necessary.

Presenting

Course Directors:
Chung How Kau, BDS, MScD, MBA, PhD, MOrth, FDS, FFD, FAMS, FICD, CERT (Ortho) |
Professor and Chair | Department of Orthodontics |School of Dentistry University of Alabama at Birmingham

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Terpsithea Christou, DDS, MS | Assistant Professor |Clinic Director | Department of Orthodontics | School of Dentistry University of Alabama at Birmingham
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Course Syllabus

1.Textbook - Please purchase prior to the start of class. Available from the publisher Elsevier, Amazon, AbeBooks, or other online retailers.

Mosby's Orthodontic Review by Jeryl D. English, Timo Peltomäki, Kate Pham-Litschel, 2nd edition.

Paperback ISBN: 9780323186964
eBook ISBN: 9780323186988

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2.Evidence based articles
Published in prestigious journals will be made available during lectures and hand-on sessions.
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3. Course Structure
This course will be delivered through four course modules: **Didactic, Demonstration, Practice, Exam.**
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At designated times throughout the five-week course period, the students will participate in a blend of self-paced and group-paced activities. Activities will consist of
a. Continuous series of lectures and reading assignments.
b. Meetings of whole class discussion on specific orthodontic topics.
c. Rotations in the clinic and work observation with their mentor.
d. Lab work observation followed by practice exercises on wire bending and typodont exercises.
e. Examination and interview process by a Departmental Admissions Committee (applies to candidates interested to participate into the International Orthodontic Program).
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Module 01: Didactic
Ch.1: Craniofacial growth and development
Ch.2: Development of the occlusion, Andrew's six keys of occlusion
Ch.3: Appropriate timing for orthodontic treatment
Ch.4: Orthodontic records and case evaluation
Ch.6: Diagnosis of Orthodontic problems
Ch.7: Orthodontic appliances
Ch.9: Treatment planning
Ch.10: Treatment tactics for problems related to dentofacial discrepancies in three planes
Ch.11: Phase I

Ch.13: Treatment of Class II Malocclusions
Ch.14: Class III Correctors
Ch.15: Minor tooth movement
Ch.16: Phase II
Ch.17: Adult Orthodontic treatment
Ch.19: Mini implants and palatal implants for orthodontic anchorage
Ch.20: Oral Hygiene
Ch.21: Orthodontic and craniofacial deformities
Ch.23: Retention in Orthodontics
Ch.24: Soft-tissue diode laser surgery in Orthodontics
L.1: Lectures on Biomechanics
L.2: Case presentations
R.2: Study Design and Methods class
R.3: Data Collection, Analysis and Publication class
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Module 02: Demonstration

Cl.1: Clinical Photographs
Cl.2: Physical/Digital Study Casts on typodonts
Cl.3: 2D radiographs
Cl.4: 3D radiographs
Cl.5: Patient's management software: Dolphin
Cl.6.a: Basic Wire-bending exercises
Cl.6.b: Bracket placement at FA point and with using MBT prescription
Cl.6.c: Indirect bonding/Tray-fabrication
Typ.1: Bonding on study casts
Typ. 2: Indirect bonding set up
Typ. 3: Wire Sequence
Typ. 4: Ligature ties/ Power chain/ Separators
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Module 03: Practice

Residents will repeat the above wire-bending/lab exercises (Module 02) that have been demonstrated by the faculty member.
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Module 04: Exam

Ex.1: Written examination on Mosby's Orthodontic Review Textbook
Ex.2: Written examination on Biomechanics
Ex.3: Interview by Departmental Admissions Committee