Expedited Orthodontics
Improving the Efficiency of Orthodontic Treatment through Novel Technologies

For more than 100 years, orthodontists have strived to identify and utilize methods to expedite orthodontic treatment. Most of the current approaches aimed at achieving this goal rely primarily on physical or surgical techniques, and mechanical devices that have recently gained prominence in the field. However, there is limited cohesive, comprehensive and objective information on the efficacy of most of these approaches for expediting orthodontic treatment. Furthermore, the use of novel technologies and biomedicine in efficient delivery of orthodontic treatment has not been fully realized. The 41st Annual Moyers Symposium and “Presymposium” will provide clinically relevant updates on this intriguing and in some instances controversial topic. The presenters will provide historical perspective, scientific evidence and clinical observations on a range of topics including the contribution of appliance design, and physical, surgical and biomedical approaches to expedite orthodontic treatment. For further details see www.moyerssymposium.org
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For further details see www.moyerssymposium.org
Session 1: Overview
9:00 Welcome
9:15 The 9th Annual Robert E. Moyers Memorial Lecture
Moderator: James A. McNamara
Chains of Orthodontic History: A Lesson in Tracing the Roots of Orthodontic Treatment
Joseph F. Park
The University of Michigan School of Dentistry
9:30 Break
9:45 Novel Teeth in Orthodontics: A Limitation
Sarandeep Huja – University of Michigan College of Dentistry
10:15 Break
10:30 Modulation of Tooth Movement by Vibratory Forces
Mary Sue Coleman, ex officio.
Moderator: David Nonogaki
10:45 The Speed of Teeth in Orthodontics: Mechanical Limitations and Solutions
Laura Iwasaki – University of Missouri Kansas City School of Dentistry
11:15 The 18th Annual Robert E. Moyers Memorial Lecture
E. Walter Fabian – University of California
11:45 Lunch
12:00 Accelerated Tooth Movement: From Plato to Humans
Moderator: John Glickman
Chains of Orthodontic History: A Lesson in Tracing the Roots of Orthodontic Treatment
Joseph F. Park
The University of Michigan School of Dentistry
12:30 Break
13:00 Another Look at Biology: Understanding New Technologies and Existing Clinical Tools
Junji Sugawara – Private Practice, Sendai, Japan
13:30 The Application of Platelet Rich Plasma for Improving Efficiency of Orthodontic Tooth Movement
Eric Liou – Faculty of Dentistry, Chang Gung Memorial Hospital and National Taiwan University, Taoyuan, Taiwan
14:00 Panel Discussion
Speakers from Sessions 1 and 2
14:30 Self-Ligation: A Gateway to Faster Treatment?
Moderator: Nan Hatch
Nan Hatch – University of Kentucky College of Dentistry
16:00 Ten Years with SureSmile: Clinical Prospects and Limitations
Moderator: James A. McNamara
Chains of Orthodontic History: A Lesson in Tracing the Roots of Orthodontic Treatment
Joseph F. Park
The University of Michigan School of Dentistry
16:30 Another Look at Biology: Understanding New Technologies and Existing Clinical Tools
Junji Sugawara – Private Practice, Sendai, Japan
17:00 Accelerated Tooth Movement: From Rats To Humans
Sarandeep Huja – University of Michigan College of Dentistry

Session 2: Surgically Facilitated Orthodontic Treatment
Moderator: James A. McNamara
1:00 The University of Connecticut School of Dental Medicine
1:20 Accelerated Orthodontic Treatment: A Progress Report
Ravi Nanda – The University of Connecticut School of Dental Medicine
1:40 Panel Discussion
Speakers from Sessions 1 and 2
2:00 Accelerated Tooth Movement: From Plato to Humans
Moderator: John Glickman
Chains of Orthodontic History: A Lesson in Tracing the Roots of Orthodontic Treatment
Joseph F. Park
The University of Michigan School of Dentistry
2:30 Break
2:45 Ten Years with SureSmile: Clinical Prospects and Limitations
Moderator: James A. McNamara
Chains of Orthodontic History: A Lesson in Tracing the Roots of Orthodontic Treatment
Joseph F. Park
The University of Michigan School of Dentistry
3:00 Another Look at Biology: Understanding New Technologies and Existing Clinical Tools
Junji Sugawara – Private Practice, Sendai, Japan
3:30 The Application of Platelet Rich Plasma for Improving Efficiency of Orthodontic Tooth Movement
Eric Liou – Faculty of Dentistry, Chang Gung Memorial Hospital and National Taiwan University, Taoyuan, Taiwan
3:50 Panel Discussion
Speakers from Sessions 1 to 3
4:10 Sendai Surgery First: Improving Efficiency of Surgical Orthodontics
Sarandeep Huja – University of Michigan College of Dentistry
4:30 Accelerated Tooth Movement: From Rats To Humans
Sarandeep Huja – University of Michigan College of Dentistry
4:50 Panel Discussion
Speakers from Sessions 1 to 3

Session 3: Appliance Design and Mechanical Approaches
9:00 A New Device for Changing the Mechanics of Orthodontic Treatment: The 3D Tissue Engaged Reconfiguring Orthodontic System
Moderator: James A. McNamara
Chains of Orthodontic History: A Lesson in Tracing the Roots of Orthodontic Treatment
Joseph F. Park
The University of Michigan School of Dentistry
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Speakers from Sessions 1 to 3
14:50 Lunch
15:15 Complimentary Social Event and Poster Presentation
39th International Conference on Craniofacial Research

FRIDAY, JUNE 13

Rackham Amphitheatre

Session 1: Overview

9:00 Welcome
9:15 The 39th Annual Robert E. Moyers Memorial Lecture

Session 2: Surgically Facilitated Orthodontic Treatment

11:15 Lunch
11:45 The Speed of Teeth in Orthodontics: Mechanical Limitations
1:45 Clinical and Research Presentations on Expedited Orthodontics & Related Topics

Location: Assembly Hall of Rackham Auditorium

SATURDAY, JUNE 14

Session 3: Appliance Design and Mechanical Approaches

9:00 Are We Closer To Finding The Mechanisms for Accelerated Tooth Movement?

POSTER PRESENTATIONS

The annual Moyers Symposium is considered to be one of the finest meetings in the fields of craniofacial biology and orthodontics. In order to sustain the high quality of the symposium your support is necessary to underwrite the expenses of the program. Participant support is available to local residents, students and residents. Junior Investigator Travel Awards of $250-$425 and Student Travel Awards of $250 are available for the best presenters in the strongest scientific work in the fields of craniofacial biology and orthodontics. All presenters are required to submit an abstract of their work by January 15, 2014. A detailed program for the "CRANIOFACIAL GROWTH SERIES" is available at San Antonio. 

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Address for Symposium Location:
Rackham Building, 915 E. Washington Street, Ann Arbor, Michigan

Support the Symposium

The meeting will include poster presentations and a Junior Investigator Travel Awards Competition of ideas and research relevant to craniofacial and orthodontic research. Participants include students, residents, visitors to the meeting, resident and students. Junior Investigator Travel Awards of $250-$425 and Student Travel Awards of $250 are available for the best presenters in the strongest scientific work in the fields of craniofacial biology and orthodontics. All presenters are required to submit an abstract of their work by January 15, 2014. A detailed program for the "CRANIOFACIAL GROWTH SERIES" is available at San Antonio.

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39th International Conference on Craniofacial Research

For information on abstract submission, Junior Investigator Travel Awards Competition and Poster see www.moyerssymposium.org.

For the best presentations on the strongest scientific work in the fields of craniofacial biology and orthodontics. In order to sustain the high quality of the symposium your support is necessary to underwrite the expense of the proceedings. If you want to become a "Friend," or if you have contributed in the past and would like to renew your support, please fill in the sections below and mail your contribution in time to reach us by January 15, 2014.

Address for Symposium Location:
Rackham Building, 915 E. Washington Street, Ann Arbor, Michigan 48109-1078

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For Accelerated Tooth Movement: From Rats to Humans
Cheung Hung-fai – University of Alabama School of Dentistry

Surgery-Facilitated Orthodontics

1:10 – 1:20

Ravi Nanda – The University of Connecticut School of Dental Medicine
Laura Iwasaki – University of Missouri Kansas City School of Dentistry
Christina Teixeira – New York University College of Dentistry

Panel Discussion – Accelerated Tooth Movement: From Rats to Humans

Poster Presentations

The meeting will include poster presentations and a Junior Investigator Travel Awards Competition. Completed abstracts should include research relevant to orthodontic and craniofacial research. Participants include students, residents, students and residents. Junior Investigator Travel Awards of $750 are available for presenters from outside the United States. All presenters are required to submit a abstract of their work by January 15, 2014. The abstracts and their poster presentations will be on display and available for review at the symposium. If you want to become a "Friend," or if you have contributed in the past and would like to renew your support, please fill in the sections below and mail your contribution in time to reach us by January 15, 2014.

Friends of the Symposium: Please send a separate check payable to the University of Michigan.

Summary: The annual Moyers Symposium is considered to be one of the finest meetings in the world of craniofacial research and orthodontics. In order to sustain the high quality of the symposium your support is necessary to underwrite the expense of the proceedings. If you want to become a "Friend," or if you have contributed in the past and would like to renew your support, please fill in the sections below and mail your contribution in time to reach us by January 15, 2014.

AdA CERP®

3:00

The 18th Annual Robert E. Moyers Memorial Lecture

Welcome

Welcome to the University of Michigan Craniofacial Research Series!!

CRANIOFACIAL GROWTH SERIES

For Accelerated Tooth Movement?: Are We Closer To Finding The Mechanisms?
Nikolaos Pandis – Private Practice, Corfu, Greece and Visiting Assistant Professor, University of Bern, Switzerland

9:10 – 9:20

2:20 – 2:30

1:10

10:15 – 10:25

9:00

10:40

11:10

12:20 – 12:30

11:00

11:40 – 11:50

11:50 – 12:00

12:30 – 12:40

1:00 – 1:10

Program

CRANIOFACIAL GROWTH SERIES

This program is offered to the public at no charge and does not offer CE credit.