

CONTINUING EDUCATION CREDIT

You will earn a total of 12 CEUs. IUSD is an ADA CERP and an AGD Accepted Fellowship/Mastership National Sponsor.

TRAVEL

Indianapolis International Airport is located 15 minutes from downtown Indianapolis. For airport information, go to: www.indianapolisairport.com

A block of rooms have been reserved at the Indianapolis Hilton Hotel offering an IUSD participant discount - use promo code BURSTS-20191023

For Indianapolis city information, please go to visitindy.com

REGISTER

Register online! Visit: <http://go.iu.edu/2a2V>

TUITION

Pre-Symposium ONLY (Oct 24, 2019)
Student/Faculty/Clinician fee - \$50

Pre-Symposium and Symposium (Oct 25-26, 2019)
Student/Faculty fee - \$50
Clinician fee - \$250

ABOUT THE BURSTONE SYMPOSIUM

Dr. Charles J. Burstone is known and appreciated internationally for his understanding and teaching of biomechanics in orthodontics. Dr. Burstone received his MS in Orthodontics at Indiana University School of Dentistry and was appointed Chairman in 1961. Although contributing in so many areas of orthodontics, his special emphasis was on biomechanics. He later accepted the position as Head of the Orthodontic Department at the School of Dental Medicine, University of Connecticut and Chief of Orthodontic Services, John Dempsey Hospital. The University of Connecticut awarded him Professor Emeritus in 1994 and an Honorary Doctorate in 2011. Dr. Burstone dedicated his life to orthodontic education. His very generous donation establishing the Dr. Charles J. Burstone Orthodontics Biomechanics Initiative Fund has made this program possible.

IN MEMORY OF DR. JAMES J. BALDWIN (1925-2019)

Dr. James J. Baldwin had a distinguished professional career as an Orthodontist and educator. He was an Associate Professor of Orthodontics at the Indiana University School of Dentistry, where he was an innovator in the field of applied biomechanics and a pioneer in the development of the segmented arch technique. An enthusiastic and devoted educator, he continued his teaching career at Indiana University until 2014. We dedicate the Sixth Biennial Burstone Symposium to Dr. Baldwin, a worldclass clinician, educator, and gentlemen.



INDIANA UNIVERSITY SCHOOL OF DENTISTRY
DEPARTMENT OF ORTHODONTICS & ORAL FACIAL GENETICS

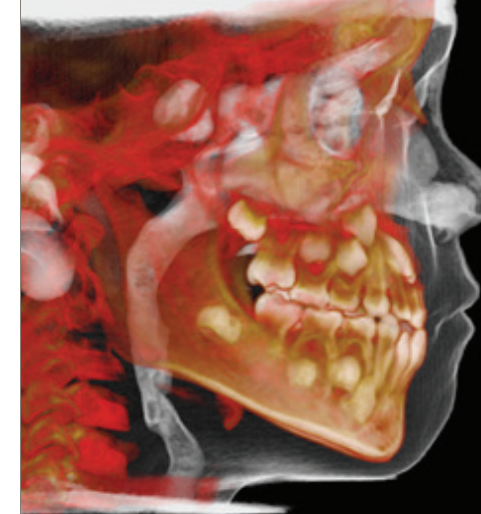
RM 201

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THE SIXTH BIENNIAL BURSTONE SYMPOSIUM

MECHANICS OF PATIENT MANAGEMENT



OCTOBER 24-26, 2019

Department of Orthodontics and Oral Facial Genetics
Indiana University School of Dentistry

Indiana Association of Orthodontists

Indiana University Orthodontic Alumni Association



MECHANICS OF PATIENT MANAGEMENT

OCTOBER 24 - 26, 2019

Dedicated to the memory of Dr. James J. Baldwin, DDS, MSD (1925-2019)

Presenting the 6th Biennial Burstone Symposium. This year we will focus on the mechanics of patient management.

Don't miss out on this prestigious event! The pre-symposium will be held on Thursday, October 24 and will feature five dynamic speakers.

LOCATION

Hilton Indianapolis Hotel & Suites
Tel: (317) 972-0600 | Desk: (317) 822-5802
120 W. Market St, Indianapolis, IN 46204 | USA
Hilton.com *Be sure to use promo code BURSTS-20191023

FRIDAY DINNER

Please plan to join us for dinner on Friday in the Vincennes Room on the second floor from 6 pm - 8 pm. A vegan option will be available.

TO REGISTER

<http://go.iu.edu/2a2V> (case sensitive)

INDIANA ASSOCIATION OF ORTHODONTISTS RECEPTION

We would like to thank the IAO for co-sponsoring our event again. There will be a member's meeting on Friday, October 25 during lunch and a member's reception on Friday, October 25 from 4:45 pm to 6 pm

THURSDAY, OCTOBER 24
1:00 PM - 4:30 PM

BURSTONE PRE-SYMPOSIUM

The Burstone pre-symposium has been established to showcase innovative and collaborative research within the field of orthodontics with special emphasis on research conducted by residents and junior faculty from around the country. Please join us as we celebrate the memory of Dr. Burstone through the dissemination of orthodontic knowledge.

FRIDAY, OCTOBER 25
8:10 AM - 4:30 PM

HOW TO DIFFERENTIATE BETWEEN EASY AND DIFFICULT ORTHODONTICS

Presented by Birte Melsen, DDS, DR. ODONT

The Segmented Approach has often been characterized as complicated. The equilibrium of orthodontic appliances described by Drs. Burstone and Baldwin was followed by the introduction of the segmentation of the fixed appliance. Only thereby was it possible to analyze the forces acting on the individual units of the appliance. The position of teeth is also influenced by the balance between the external and internal muscle matrix, by the occlusal forces and in children by genetic factors controlling craniofacial growth. All of these features interact with the forces generated by the appliance. When applying sliding mechanics, the forces are acting on the crowns and the movement influenced by resistance to sliding. A difficult treatment can thus be defined as a treatment where the desired tooth movement cannot be generated by forces added to the bracket. The "straight wire" will result in a predetermined arch form, but the position of this arch is determined by the mutual position of the brackets, the "geometry" and only to a minor degree by the inserted wire.

This course is directed to orthodontic residents and practicing clinicians and will highlight the development, utilization, and impact of biomechanical principles during patient care. The influence of the underlying biology and use of contemporary orthodontic appliances, like TADs, will also be presented.

At the conclusion of the course, participants will be able to:

- Explain the origin of biomechanics in orthodontics,
- Distinguish between core biomechanical concepts including the geometries and determinate vs. indeterminate appliances,
- Develop treatment plans and associated sequencing that utilize techniques that can positively influence treatment time, and
- Compare different treatment strategies (multidisciplinary or interdisciplinary) and identify their limitations.

ABOUT THE SPEAKER

Birte Melsen, DDS, DR. ODONT is currently a Visiting Professor at NYU College of Dentistry and at the Health and Medical Sciences at University of Western Australia. Professor Melsen has authored more than 400 publications in the field of growth and development. In recent years, her professional interests have focused primarily on the fields of skeletal anchorage, virtual imaging and adult orthodontic treatment.



SATURDAY, OCTOBER 26
8:10 AM - NOON

COMMUNICATION AND PLANNING FOR THE ORTHOGNATHIC SURGERY PATIENT USING DIGITAL TOOLS

Presented by Waldemar D. Polido, DDS, MS, PhD

The treatment of patients with orthognathic surgery requires efficient communication between the patient, orthodontist, and oral surgeon. In contemporary case management, there is often also a need for communication with the restorative dentist and possible incorporation of dental implants. With advances in technology, several digital tools are now available to aid the clinician in the planning and execution of cases requiring an interdisciplinary treatment approach.

This course is directed to orthodontists and oral surgeons, and will address the current knowledge and use of digital tools to assess, plan, and treat patients with dentofacial deformities. The use of 2D & 3D imaging, as well as clinical treatment plan concepts will be presented. The interaction and communication between orthodontists and oral surgeons, with regard to esthetics, prosthodontics, and implant rehabilitation will also be discussed.

After this course, the participant should be able to:

- Recognize digital tools that can be useful in the diagnosis, planning, and treatment of orthognathic surgery patients,
- Assess the patient from an esthetic and functional point of view, using digital tools,
- Explain how to use digital tools to improve communication between all professionals involved in the treatment of orthognathic surgery.

ABOUT THE SPEAKER

Waldemar D. Polido, DDS, MS, PhD is Interim Chair, Clinical Professor, Interim Residency Program Director and Pre-Doctoral Program Director in the Department of Oral and Maxillofacial Surgery and Hospital Dentistry at Indiana University School of Dentistry. He is Co-Director of the Center for Implant, Aesthetic and Innovative Dentistry. Dr. Polido joined IUSD in 2017 from the Hospital Moinhos de Vento in Porto Alegre, Brazil, where he served as Program Director for the Implant Dentistry Program. He was Professor and Chair of the Post-Graduate Program in Implantology at the Brazilian Association of Dentistry, RS State Section, also in Porto Alegre, Brazil.



DISCLOSURE STATEMENT

Sponsorship of a continuing education program by Indiana University School of Dentistry does not imply endorsement of a particular philosophy, procedure, or product. Programs must demonstrate balance, independence, objectivity, and scientific rigor. All faculty, authors, editors, and planning committee members participating in an IUSD-sponsored activity are required to disclose any relevant financial interest. This program is not intended to provide extensive training or certification in the field.