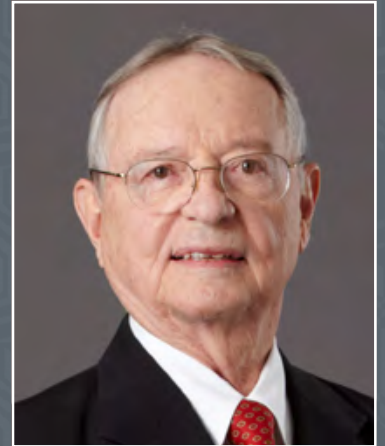


# ABOUT THE DIRECTORS

## DRS. LARRY AND WILL ANDREWS

Dr. Larry Andrews is the inventor of the Straight-Wire Appliance System, discoverer of the *Six Keys to Normal (Optimal) Occlusion™*, and the *Six Elements of Orofacial Harmony*. In 1989, he authored the textbook *Straight Wire, The Concept and Appliance*. He is a clinical professor at the University of California at San Francisco, an adjunct professor at West Virginia University, and a visiting professor at Bauru Dental School, University of Sao Paulo, Brazil. Dr. Andrews completed orthodontic training at Ohio State University in 1958. He has lectured worldwide about the *6E Orthodontic Philosophy*, and maintains a private practice limited to orthodontics and orofacial harmony in San Diego, CA.

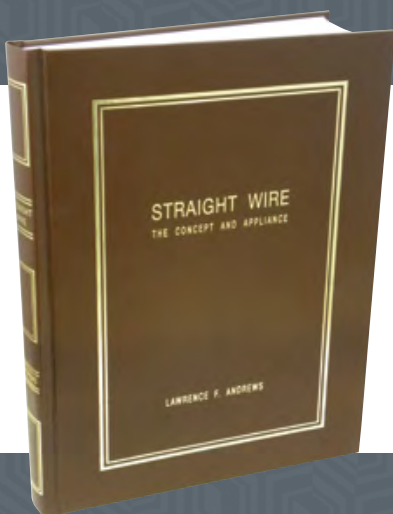


Lawrence F. Andrews, D.D.S.

Dr. Will Andrews completed orthodontic training at the University of California at San Francisco (UCSF) in 1992. He is a Diplomate of the American Board of Orthodontics, a member of the Edward H. Angle Society of Orthodontists, an assistant clinical professor at UCSF, and an adjunct assistant professor at West Virginia University. Dr. Andrews has lectured worldwide, published articles about the *6E Orthodontic Philosophy*, and maintains a private practice limited to orthodontics in San Diego, CA.



Will A. Andrews, D.D.S.



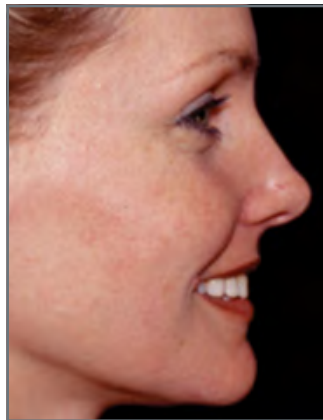
## STRAIGHT WIRE

### THE CONCEPT AND APPLIANCE

The author, Lawrence F. Andrews, D.D.S., discovered the *Six Keys to Normal (Optimal) Occlusion*, and invented the *Straight Wire Appliance System*. *Straight Wire, the Concept and Appliance* is the quintessential book about the world's most popular orthodontic appliance concept.

## CASE STUDIES

### Case 1



Before

After

### Case 2



Before

After

## REGISTRATION INFORMATION

### THE 1<sup>ST</sup> INTERNATIONAL 6ELEMENTS MEETING

#### DATE

May 4, 2012

#### COURSE CODE

ANDR3B12

#### CE CREDITS

8 credits

#### TEACHING METHOD

Lecture

#### TUITION

\$395

#### TIME

8:00 a.m. – 5:00 p.m.

Lunch included

#### LOCATION

Moana Surfriider –  
Westin Resort & Spa  
Waikiki Beach  
Honolulu, HI

#### PREREQUISITE

Orthodontists from ADA-accredited  
orthodontic residency or surgery  
programs, or international equivalent

REGISTER ONLINE  
at [www.AndrewsFoundation.org](http://www.AndrewsFoundation.org)  
or call 888.994.7374

# The 1<sup>st</sup> International 6Elements Meeting

This course will feature a full day of lectures given by several internationally recognized speakers who will introduce the *6E Orthodontic Philosophy* and illustrate its potential applications to a wide variety of orthodontic problems.

May 4, 2012  
Honolulu, HI



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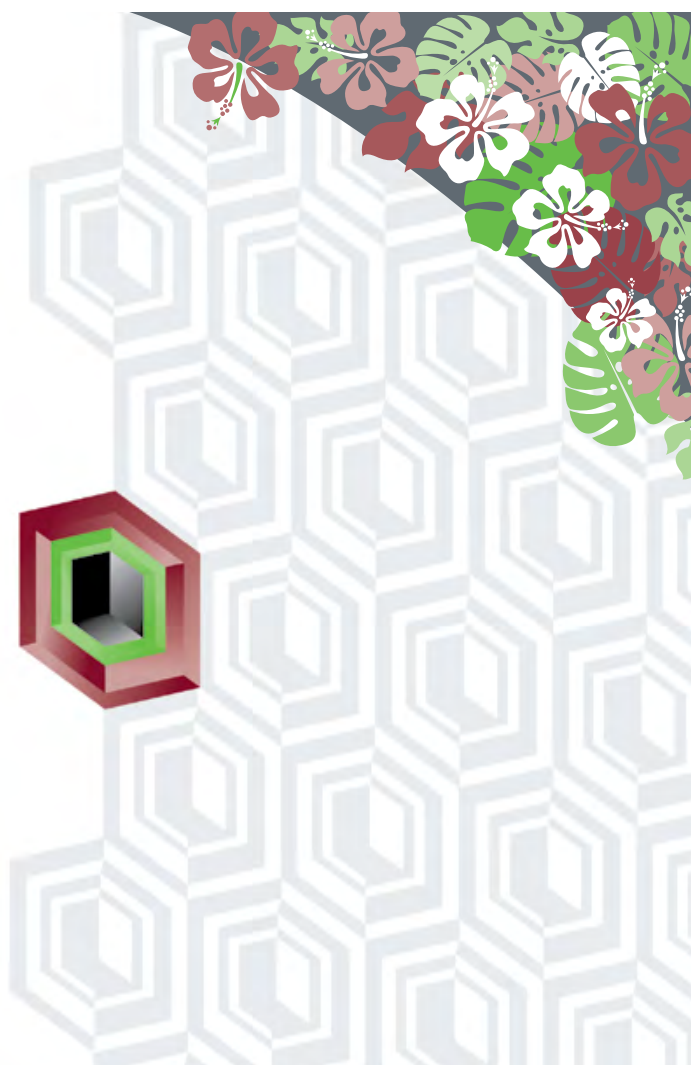
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May 4, 2012  
Honolulu, Hawaii  
Pre AAO

The 1<sup>st</sup> International  
**6Elements**  
Meeting



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## THE 1<sup>ST</sup> ANNUAL INTERNATIONAL 6ELEMENTS MEETING

This course will feature a full day of lectures given by several internationally recognized speakers. The common theme of all presentation will be the *Six Elements (6E) Orthodontic Philosophy™*. The *6E Orthodontic Philosophy* includes treatment goals, rules for treatment, and 3-D positionally correct classification. Drs. Larry and Will Andrews will provide an overview of the philosophy and introduce each of the guest speakers.

Topics to be covered include:

- Six Elements Diagnosis
- The New *Andrews<sup>2</sup>™* Straight-Wire Appliance
- Treatment for AP Jaw Discrepancies
- Precision in Orthognathic Surgery
- 3-D Imaging
- TMD
- Airway Evaluation
- Sleep Disorders
- TADs
- Cast Mounting

The goal of the meeting is to introduce the *6E Orthodontic Philosophy* and to illustrate its potential applications to a wide variety of orthodontic problems.

Register online at  
[www.AndrewsFoundation.org](http://www.AndrewsFoundation.org)  
or call 888.994.7374  
**ENROLL EARLY TO ENSURE A SEAT!**

  
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# SCHEDULE OF EVENTS

TIMES	TOPICS	SPEAKERS
8:00 A.M. – 8:30 A.M.	REGISTRATION	
8:30 A.M. – 8:45 A.M.	THE 6E ORTHODONTIC PHILOSOPHY	DR. LARRY ANDREWS
8:45 A.M. – 9:00 A.M.	INTRODUCTION TO THE DAY'S TOPICS	DR. WILL ANDREWS
9:00 A.M. – 9:30 A.M.	THE NEW ANDREWS <sup>2</sup> APPLIANCE	DR. RAUL MORALES
9:30 A.M. – 10:15 A.M.	TREATMENT FOR AP JAW DISCREPANCIES	DR. PETER NGAN
10:15 A.M. – 10:30 A.M.	BREAK	
10:30 A.M. – 11:15 A.M.	PRECISION IN ORTHODONTIC SURGERY	DR. TIMOTHY TREMONT
11:15 A.M. – 12:00 P.M.	DISTRACTION OSTEOGENESIS – A CASE REPORT	DR. DAVID BAKER
12:00 P.M. – 1:30 P.M.	LUNCH	
1:30 P.M. – 2:15 P.M.	THE SIX ELEMENTS AND SLEEP DISORDERS	DR. STACEY QUO
2:15 P.M. – 3:00 P.M.	CBCT ANALYSIS OF TMD AND AIRWAY	DR. NORMAND BOUCHER
3:00 P.M. – 3:15 P.M.	BREAK	
3:15 P.M. – 4:00 P.M.	THE SIX ELEMENTS AND 3-D IMAGING	DR. THOMAS SHIPLEY
4:00 P.M. – 4:30 P.M.	THE SIX ELEMENTS AND TADS	DR. DAVID QUAST
4:30 P.M. – 4:45 P.M.	TAD SUPPORTED PALATAL EXPANSION	DR. IGNACIO BLASI
4:45 P.M. – 5:00 P.M.	CLOSING COMMENTS	DR. LARRY ANDREWS



# ABOUT THE SPEAKERS

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## DR. RAUL A. MORALES

## THE NEW ANDREWS<sup>2</sup> APPLIANCE



In 1979, Dr. Raul A. Morales obtained his Doctor of Dental Surgery degree from the Faculty of Dentistry at the University of Costa Rica in San José, Costa Rica. In 1982, he obtained his Master of Science in Orthodontics from The University of Michigan in Ann Arbor, Michigan. In the late '90s, he was invited by Dr. Larry Andrews to join as Associate Editor of The Andrews Journal of Orthodontics and Orofacial Harmony, and as Instructor of the Andrews Foundation.

Dr. Morales is an active member of the American Association of Orthodontics and the World Federation of Orthodontics, as well as the Panamanian Society of Orthodontics and Panamanian Dental Association where he held the executive positions of President and Vice President, respectively. In 1996, he was named "Association Dentist of the Year" and entered the Honor Chapter of the Panamanian Dental Association.

Dr. Morales teaches courses and seminars both within and outside of Panama. He is currently a member of the Advisory Committee for the Faculty of Health Sciences at The Latin American University of Science and Technology (ULACIT), with responsibilities related to the Schools of Medicine and Dentistry. Currently, Dr. Morales is dedicated exclusively to his private practice in orthodontics for children, adolescents, and adults located in Panama.

**Course Title:** The New Andrews<sup>2</sup> Appliance

**Course Outline:** This lecture will introduce you to the new Andrews<sup>2</sup> Appliance. From its new features and benefits, to assisting you in the proper selection of individual brackets or pre-arranged sets, the Andrews<sup>2</sup> Appliance is the next generation straight-wire appliance.

**Learning Objectives:**

Arch correction efficiency is maximized when the most appropriate brackets are prescribed, properly sited, and then the most suitable archwires and forces are applied. Selecting the most suitable Andrews<sup>2</sup> Appliance begins with measuring arch discrepancy to determine whether or not to extract, and how far each tooth needs to be moved. You will learn about Standard and Translation Brackets within the Andrews<sup>2</sup> Appliance.

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## DR. PETER NGAN

## TREATMENT FOR AP JAW DISCREPANCIES



Dr. Peter Ngan is Professor and Chairman of the Department of Orthodontics at West Virginia University (WVU) School of Dentistry. He is also head of the Division of Pediatric Dentistry at WVU. Dr. Ngan holds a dental degree from Harvard University School of Dental Medicine and Certificates in Orthodontics, Pediatric Dentistry, and Hospital Dentistry from the University of Pennsylvania School of Dental Medicine/Children's Hospital of Philadelphia. He is a Fellow of the American Society of Dentistry for Children, Diplomate of the American Board of Orthodontics, and Diplomate of the American Board of Pediatric Dentistry. He has published over 130 original research and clinical papers in refereed journals, 160 abstracts, including contributions in several monographs and textbooks, and has been invited to lecture in over 20 countries. Dr. Ngan's focus is in the early treatment of dental and skeletal malocclusions. His research interests include growth and development, biology of tooth movement, dentofacial orthopedics, orthodontic appliance therapy, oral implantology, and orthodontic bonding systems.

**Course Title:** Six Elements Diagnosis and Treatment of Cases with AP Jaw Discrepancies

**Course Outline:** This course will discuss the use of the Six Elements treatment philosophy to plan for cases with anteroposterior jaw discrepancies

**Learning Objectives:**

- a. Participants will learn Element II of Dr. Andrews' *Six Elements of Orofacial Harmony*<sup>TM</sup>
- b. Participants will learn treatment plans for cases with anteroposterior jaw discrepancies using Element II of the Six Elements treatment philosophy

## TIMOTHY TREMONT, D.M.D., M.S.



Dr. Tremont is in the private practice of orthodontics in White Oak, Pennsylvania and is a Clinical Associate Professor in the Department of Orthodontics at West Virginia University School of Dentistry. He received his dental degree from the University of Pittsburgh School of Dental Medicine and Certificate in Orthodontics and Masters of Science from the University at Buffalo. He is a diplomate of the American Board of Orthodontics and a member of Omicron Kappa Upsilon honorary dental society. Dr. Tremont's academic focus is on diagnosis, treatment planning, and clinical strategies. He developed the popular *Cantilever Wrap Around Appliance™* for maxillary retention. He is a very active teacher of the Andrews' *Six Elements of Orofacial Harmony™* and has published articles in several professional journals. The Four Faces of Orthognathic Surgery is a system he developed to assist in attaining surgical results that are accurate with pre-surgical predictions. He holds a U.S. patent for a surgical measuring device, the *Tridimensional Orthognathic Gauge™ (TOG™)*. Known for his patient and effective teaching style, Dr. Tremont lectures both nationally and internationally, and regularly provides courses on subject matter relating to orthodontics and orthognathic surgery.

**Course Title:** Treatment Goals and Precision in Orthognathic Surgery

**Course Outline:** Orthognathic surgery is often the best option for many orthodontic patients. Newer philosophies can provide defensible goals for the teeth and jaws as well as a method to attain predictable surgical outcomes. This presentation will discuss how these concepts are applied in surgical orthodontic treatment.

**Learning Objectives:**

- a. What are defensible surgical treatment goals for teeth and jaws
- b. How to attain predictable surgical outcomes

## PRECISION IN ORTHOGNATHIC SURGERY

## DR. STACEY QUO



Dr. Stacey Quo maintains a private practice limited to orthodontics in Palo Alto, California. She finished her undergraduate degree in biomedical engineering from Northwestern University in Evanston, Illinois, and completed her dental degree and orthodontic residency at the University of California at San Francisco (UCSF) School of Dentistry. She is a Clinical Professor at UCSF in the Departments of Orofacial Sciences and Preventive Dentistry, and also Adjunct Assistant Clinical Professor at the Stanford School of Medicine, Sleep Medicine Program. She has been involved in the treatment of pediatric and adult sleep disordered breathing patients since 1998, serving as the consulting orthodontist at the pediatric panel at the Stanford Sleep Clinic, under her mentor Dr. Christian Guilleminault. She has lectured nationally and internationally at medical and dental conferences on the Orthodontic Management of the Pediatric Airway.

**Course Title:** The Relationship of Archform to the Airway in Obstructive Sleep Apnea

**Course Outline:** Review treatment options for Obstructive Sleep Apnea/Sleep Disordered Breathing (OSA/SDB) in both children and adults. Investigate how orthodontic expansion treatment impacts the airway.

**Learning Objectives:**

Learn how to screen for OSA/SDB in the orthodontic practice. Develop a series of treatment options for patients suffering from Sleep Apnea

## THE 6 ELEMENTS AND SLEEP DISORDERS

## DR. NORMAND BOUCHER



Dr. Normand Boucher is dual certified in orthodontics and periodontics, and is board certified in orthodontics. He is an Associate Clinical Professor of Orthodontics at the University of Pennsylvania, and has an interest in applying the principles of the *6E Orthodontic Philosophy* to the management of the orthodontic patient with compromised temporomandibular joints.

**Course Title:** CBCT Analysis of TMD and Airway

**Course Outline:** This lecture will describe CBCT Six Elements diagnosis of the airway and temporomandibular joints.

**Learning Objective:** Identify cephalometric risk markers associated with joint related malocclusions and impaired airways

## CBCT ANALYSIS OF TMD AND AIRWAY

## DR. THOMAS SHIPLEY



Dr. Thomas Shipley received his Bachelor of Science degree in Business Management from Brigham Young University and went on to earn his doctorate from the University of Kentucky's College of Dentistry. Dr. Shipley completed a master's program in Orthodontics at West Virginia University. He is a Diplomate of the American Board of Orthodontics. He is an Associate Professor of Orthodontics at A.T. Still University, Department of Orthodontics in Mesa, Arizona where he teaches the *6E Orthodontic Philosophy*. Dr. Shipley maintains a full-time private orthodontic practice in Peoria, Arizona.

**Course Title:** 3-D Imaging

**Course Outline:** Dr. Shipley will discuss emerging 3-D imaging and implementing new technologies with the *6E Orthodontic Philosophy* in Private Practice. The Six Elements lends itself well to help us understand and apply advancing technology, both current and imagined.

**Learning Objectives:**

- Discuss Cone Beam 3-D imaging and its application to the Six Elements
- Discuss 3-D orthodontic scanning technology and its application to the Six Elements
- Discuss 3-D dynamic modeling (such as Anatomodel) and its application to the Six Elements
- Discuss how understanding the Six Elements helps us apply new 3-D technologies as it is developed

## THE 6 ELEMENTS AND 3-D IMAGING

## DR. DAVID C. QUAST, D.M.D., M.S.D.



Dr. David C. Quast completed his dental degree at the University of Kentucky in 1979. He then completed a hospital based GPR (General Practice Residency) program at the University of Louisville. He returned to the University of Kentucky to complete his orthodontic residency. Dr. Quast is a former member of the Seattle Study Group and a graduate of the 2-Year Roth-Williams Clinical Program in Occlusion and Orthodontics. He is a Diplomate of the American Board of Orthodontics. He maintains a private practice limited to orthodontics in Crestview Hills, KY.

**Course Title:** The Six Elements and TADS

**Course Outline:** Element I: "Arch shape and arch length", determining if the ICD is the objective information used to evaluate the extraction/non-extraction decision. The ICD is determined by landmarks that define the optimal anterior lateral, and vertical dental arch borders. The posterior has no definite border. It has been historically assumed that it was not possible to distalize molars from their normally erupted position. With the use of TADS, it may be possible to distalize posterior teeth to increase the arch length and increase the negative ICD that can be optimally treated with non-extraction methods.

**Learning Objectives:**

- Discuss Element I with non-defined posterior border
- Show cases utilizing TADS to increase arch length by distalization of posterior teeth. The use of TADS may increase the magnitude of negative ICD's that can be considered for non-extraction treatments
- Element I, increase posterior border by tooth distalization with TAD

## THE SIX ELEMENTS AND TADS

## IGNACIO BLASI JR., D.D.S.



Dr. Ignacio Blasi Jr. completed his dental training at the Universitat de Catalunya (UIC) at Barcelona, Spain in 2007. After two years of private practice, he started his orthodontic training at the age of 25 and is currently in his final year of the Master of Science program at the Orthodontic Department at the University of Pennsylvania. He received the Colgate National Award in dental research, has presented at various meetings, and published on the effects of different types of palatal expanders. His topics of interest are perio-ortho, esthetics, multidisciplinary treatment, occlusion, TMD, and airways.

**Course Title:** TAD Supported Palatal Expansion

**Course Outline:** An innovative technique to maximize the skeletal maxillary changes in the transverse dimension

**Learning Objectives:**

- Overview of Element III
- Introduce the use of TADS for palatal expansion

## TAD SUPPORTED PALATAL EXPANSION

