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MASO Journal

Autumn 2024

Middle Atlantic Society of Orthodontists



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Annual Session

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St. Thomas USVI

October 17-20, 2024

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MASO Journal

Middle Atlantic Society of Orthodontists

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Autumn 2024

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WESTIN BEACH RESORT & SPA AT FRENCHMAN'S REEF IN THE US VIRGIN ISLANDS

The MASO Journal is the official publication of the Middle Atlantic Society of Orthodontists, 400 W. Wilson Bridge Rd, Ste 120, Worthington, OH 43085, phone 1.866.748.MASO(6276), e-mail MASO@AssnOffices.com, and website www.MASO.org.

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E-mail is preferred for receipt of items submitted for publication in the MASO Journal. Articles and photos may be e-mailed directly to Dr. Normand Boucher at maso@assnoffices.com. If an item must be mailed, send it to Dr. Boucher at 333 W Lancaster Ave., Wayne, PA 19087-3904 or contact him by phone at 610.688.3355.

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MISSION STATEMENT

The Middle Atlantic Society of Orthodontists, a constituent of the American Association of Orthodontists, shall promote ethical and quality orthodontic care while advocating and providing a voice for our members, components and educational institutions.



PRESIDENT'S MESSAGE

Dr. Alireza Omid Rajaei

Dear colleagues and friends,

Let me start by saying that it has been a great pleasure and privilege to have been able to serve as the Middle Atlantic Society of Orthodontists President this year.

The MASO board has and continues to work tirelessly to identify the needs of its constituent members and university residents as challenges arise and the orthodontic landscape changes. We are at the forefront of a paradigm shift because of the rapid advances and adoption of Artificial Intelligence (AI) in many professions, including ours. Many aspects of orthodontic practice, from the patient experience to treatment planning and treatment outcomes, will likely be affected and hopefully improved by incorporating AI into our practices and profession. This impact also extends to orthodontic education, where teaching methods and orthodontic techniques will all be advanced in their own way.

Our Spring CE event at the Hotel Dupont in Delaware, where **Dr. Joseph Ghafari** presented his highly regarded research on Artificial Intelligence (AI) and its application to the orthodontic profession, practice, and education, presented

a wonderful overview of the possibilities ahead. The future of the orthodontics profession is bright, and AI will help us render cutting-edge treatment while improving our treatment efficiency and the overall patient experience.

We at MASO are excited to continue our commitment to you. I would like to take this opportunity to invite you, your staff, and your families to our Annual Session, which will be held in conjunction with GLAO from October 17 to 20, 2024, at The Westin Beach Resort and Spa at Frenchman's Reef in the U.S. Virgin Island of St. Thomas.

We have a fantastic and all-encompassing program planned for our attendees, which includes CE lectures by renowned speakers as well as multiple social events. Beautiful St. Thomas never disappoints its visitors and is a true gem of a location to host a prestigious venue.

I thank you all for your continued involvement and dedication to our organization. While my term as President will end in October, **Dr. Sana Augustus** will transition in and lead the way as the next President of MASO.

See you all in St. Thomas! ■



TRUSTEE'S REPORT

Dr. Steven Siegel

During the House of Delegates meeting this past May in New Orleans, I was sworn in as AAO President-Elect. I will concurrently also serve for a ninth and final year as your MASO

Trustee. It is hard to believe that eight years have passed since I first joined the Board of Trustees as your MASO Trustee. It has been an eventful eight years, starting with a CEO search that brought Ms. Lynne Thomas Gordon to our association. Ms. Gordon brought extraordinary experience in the association management world and under her guidance and leadership she transformed our AAO staff and departments, elevating our expertise, and the capacity of work we do for our members. Recently, upon her retirement and after an extensive search, our VP, General Counsel, Legal & Advocacy, Mr. Trey Lawrence, was named as our new CEO.

We survived the Covid years, providing valuable information and resources to our members during the shutdown, pivoting to virtual AAO Annual Sessions for two years, and learning to work remotely to continue our operations, programs, services, and member benefits, seamlessly and effectively. We have continued to advance our strategic plan, especially

through the expansion of our advocacy effort and network at the state and local levels. We have had remarkable success in fighting for patient health and safety and consumer protection on direct-to-consumer orthodontics and teledentistry issues. In this Trustee report, I would like to highlight three recent actions taken by the Board of Trustees and House of Delegates which will help advance our strategic plan and add value to membership.

AAO Technology Transformation

The Board of Trustees recommended, and the House of Delegates approved, a 3-million-dollar Technology Transformation initiative to take place over the next three years.

The current state of AAO Technology is not seamless. We have outdated and under-performing technological capabilities, and our business processes are not optimized to create, deliver, and capture greater member/stakeholder value.

We have disparate systems and platforms that lack integration. We have valuable data, but it is difficult to mine and secure. One of our core values is that we are data driven, and we need this data to make data-driven decisions using analytics.

CONTINUED ON PAGE 3

Our AAO members expect and deserve better.

This is a huge undertaking, it is an AAO-wide initiative that touches all resources and member benefits. To achieve these goals every AAO system is impacted and many need upgrades. These include our Association, Financial and Education/Learning Management Systems, our Marketing Platform and Member Website. All senior staff and departments will be collaborating on this project.

The AAO Tech Transformation has the following three main goals:

1. That the AAO is viewed as the go-to learning and professional development resource by the profession.
2. That our members encounter frictionless AAO experiences.
3. That AAO stakeholders experience AAO value, customized to what matters most to them.

Artificial Intelligence will weave throughout this process and support AAO efforts in the member experience and operations.

AAO Go Green Initiative

The Board of Trustees approved that the AAO develop and launch a Go Green Initiative. This initiative will include the following:

The AAO will encourage offices to take a Go Green pledge to stop giving out plastic bags to patients and provide an initial order of paper bags to members who participate in the pledge to help get them started on their journey to substitute paper bags for plastic. MASO implemented this program, and I signed the pledge and transitioned from the use of plastic to paper bags within my practice.

The AAO will also create a sustainability resource page on the website with resources and information; creating digital, social media, and written content to be distributed to members. Booths will be reserved at various AAO meetings to promote this program, along with any other sustainability programs that the AAO may develop.

Annual Session Sustainability Pledge ribbons that may be attached to the conference name tags, like the ones that are currently used, will be created so that members who have taken this pledge are easily recognized and can encourage others to do so as well.

The AAO is also evaluating the possibility of collaborating with a company to allow members an opportunity to recycle patient aligners.

MASO has been a leader in bringing sustainability issues to the forefront of discussion and action within our association. **Dr. Norm Boucher** has been an advocate on this issue for years and **Dr. Maddy Goodman**, our MASO representative on the Council of Orthodontic Practice (COOP), is enthusiastic and helped build the momentum needed to advance our Go Green Initiative.

AAO Full-time Faculty Teaching Fellowship Award

The need for quality teachers in our accredited orthodontic programs is essential to ensure that orthodontic residents continue to receive the highest quality education possible. Faculty recruitment and retention has been an ongoing challenge.

The AAO has had a Full-time Faculty Teaching Fellowship (FFTF) Award Program that awards \$180,000 in scholarships each year and was set to expire at the end of this past fiscal year.

This award program has been very impactful on orthodontic education. Since the program's inception, the Full-time Faculty Teaching Fellowship has produced 10 Orthodontic Department Chairs, 9 Orthodontic Program Directors, and 5 Directors of Orthodontic sub-clinics. Over 95% of recipients continue to give back to the AAO by serving on AAO committees, councils, and in various leadership roles, as well as speaking at AAO programs.

A number of faculty members within MASO have been the beneficiaries of this Faculty Fellowship Award and appreciate the importance of this program.

The AAO is now partnering with the American Association of Orthodontists Foundation (AAOF) to create a \$3.6 million dollar fund to sustain this program in perpetuity. The AAO is setting aside \$1.8 million of its undesignated net assets as a Special Purpose/Program Support Fund. The AAOF will have three fiscal years (FYs 24-25, 25-26, and 26-27) in which to raise matching funds of up to \$1.8 million. When you receive a solicitation from the AAOF, I hope you will consider making a donation to help strengthen orthodontic education.

The AAO will additionally allocate \$540,000 over the next three years to support the Teaching Fellowship Award during the transition period.

I am truly appreciative for the opportunity to serve one final year as your Trustee and as AAO President-Elect. Please do not hesitate to contact me with any suggestions, questions, or concerns. ■



EDITORIAL
Dr. Normand Boucher

“A Call To Action”

On June 29, 2023, the Supreme Court made a decision that demanded our immediate attention. They overturned affirmative action in higher education, a move that will severely limit the ability of colleges and universities to address the systemic racial inequities that persist in higher education.

It is important to note that this decision has far-reaching ramifications. Many colleges and universities are applying the principles of the affirmative action decision to financial aid policies. According to a recent article in the Philadelphia Inquirer, nearly 50 higher education facilities have paused, ended, or redirected hundreds of race-conscious scholarships worth millions of dollars in a perceived effort to interpret the affirmative action ruling broadly. Experts in academia predict that if colleges and universities are legally

obligated to eliminate race-conscious scholarships, it could profoundly affect diversity in higher education.

On a different, but related front, it is clear that there is a multi-pronged national effort to oppose the concept of DEI. Chipping away at the organizational frameworks that promote the fair treatment of all people, particularly those who have been historically underrepresented or subject to discrimination, violates the basic principles of human rights.

These developments justify a call to action by MASO and the AAO. We know that Supreme Court precedents can be reversed. Our advocacy efforts must include creative legal and political strategies to reverse the effects of the affirmative action decision, support race-conscious aid, and protect the principles of DEI. ■

Editorials represent the opinions of the author(s) and do not necessarily reflect the views of the Middle Atlantic Society of Orthodontists or the American Association of Orthodontists.

AWARDS

2024 LIFETIME ACHIEVEMENT AWARD

Dr. Chun-Hsi Chung

The Lifetime Achievement Award is given to a MASO member who, in the opinion of the MASO Board of Directors has made significant contributions to his or her community of patients, has served with distinction as a member of the American Association of Orthodontists at the national, constituent and/or component level, has personally contributed to the betterment of the specialty of orthodontics, has taught in a graduate or undergraduate orthodontic program during his or her professional career and/or has been associated with orthodontic research or has been an orthodontic staff member or consultant on a hospital staff.



It is MASO’s pleasure to announce **Dr. Chun-Hsi Chung** as the recipient of the 2024 Lifetime Achievement Award. Dr. Chung is the Chauncey M.F. Egel Endowed Chair of the Department of Orthodontics, University of Pennsylvania School of Dental Medicine, as well as Director of the Postdoctoral Orthodontics Program.

Due to a scheduled speaking engagement at the 55th SIDO International Congress in Florence, Italy over the dates of the MASO Annual Session in the Virgin Islands, Dr. Chung will be presented the Lifetime Achievement Award at the MASO Spring CE meeting in Bethesda, MD on Friday, March 7, 2025. ■

2024 GERARD A. DEVLIN AWARD

Dr. Tarun “Ty” Saini



Congratulations to **Dr. Tarun “Ty” Saini**, recipient of the 2024 Gerard A. Devlin Award from MASO. The Devlin Award, MASO’s highest recognition, is presented annually to one of its members in recognition of his or her outstanding contributions to MASO and the specialty of orthodontics.

Saini Orthodontics LLC was the first orthodontic practice to be established in Columbia, Maryland, by Dr. Raj Saini. Providing 50 years of service to the community, now Dr. Raj and Dr. Tarun “Ty” Saini are a father-son team who continue to live and work in Howard County.

Ty Saini is from a family of dentists. Following his father’s passion for his profession, more than 20 members of Dr. Raj’s immediate and extended family (including Ty and his two sisters) followed him into dentistry. There are now three generations of dentists in the Saini family.

Ty’s passion for the profession led him to become involved in organized medicine and orthodontic and dental advocacy efforts. He was President of the Maryland State Society of Orthodontics and then became a Director of MASO, Treasurer, President-elect and President in quick order. His presidential term of office was 2019-2020. In the middle of planning for the Annual Session in Baltimore when COVID-19 rocked the country, Ty’s cool head guided MASO through the pandemic. Ty produced the first Spring CE program on Facebook Live, the first Annual Business/Membership Meeting via Zoom (a relatively new technology at that point), and the first Annual Session via pre-recorded lectures offered to members on an online educational platform. He has continued his involvement with MASO as a Delegate to the AAO, and the AAO Representative to the Council on

Membership, Ethics and Judicial Concerns. He is the AAO PAC Captain for Maryland.

Ty began his career at Dickinson College in Carlisle, PA, earning his Bachelor of Arts degree. He received his D.D.S. from the New York University College of Dentistry, and completed his residency at the Staten Island University Hospital. He received his Certificate in Orthodontics from New York University College of Dentistry.

He was a Dean’s Scholarship Recipient and a Dean’s Student Research Award winner from NYU, on research topics of Oro-facial Complex, and Patients with Disabilities. He is the recipient of the Limestone Award for Distinguished Service to Dickinson College. Ty serves on the Dean’s Faculty teaching orthodontics at the University of Maryland and New York University.

Ty has found time to become involved in his community as a Past President and current member of the Glenelg County School Board of Trustees, Past President of the Dickinson College Alumni Council, Past Member of the Dickinson College Board of Trustees, and is a member of the Advisory Board of the Howard Community College Dental Hygiene Program.

Although passionate about the orthodontic profession and dedicated to serving his community, Ty’s greatest joy is his family. His wife, Shelly, is a local pediatrician, and he has two daughters, Kiran and Meera.

In his off time, Ty participates in Endurance Sports such as marathons, bike races, and triathlons including Ironman distances. He has completed 42 events as of 2023.

This year’s Devlin Award will be presented to Dr. Tarun “Ty” Saini on Saturday, October 19 during the MASO Membership/Business Meeting during the 2024 GLAO-MASO Annual Session at the Westin Beach Resort & Spa at Frenchman’s Reef in St. Thomas, USVI. ■

Congratulations to All This Year’s Award Recipients!

WILLIAM S. KRESS RESIDENT RESEARCH AWARD

Dr. Jia-Hong Lin



Dr. Jia-Hong Alex Lin is the recipient of the 2024 William S. Kress Research Award for the most outstanding Research Thesis by a graduate resident within MASO's geographical area, as juried by the MASO Education/Research Committee. His thesis is entitled "The Relationship Between Osteotomy Angle and Asymmetric Expansion in Surgically Assisted Rapid Palatal Expansion."

He will receive a \$1,000 check and an award plaque. The Award will be presented during the MASO Membership/

Business meeting at the GLAO-MASO Annual Session, October 17 – 20, 2024 at the Westin Beach Resort & Spa at Frenchman's Reef, St. Thomas, VI.

Dr. Lin graduated from National Taiwan University and completed the three-year combined Orthodontic Certificate/MSOB program in June 2023. He has now moved back home to practice in Taipei, Taiwan.

Congratulations Dr. Lin! ■

2024 Albert H. Ketcham Memorial Award from The American Board of Orthodontics

Dr. Peter M. Greco



The American Board of Orthodontics (ABO) has presented **Peter M. Greco, D.M.D.**, of Philadelphia, with the 2024 Albert H. Ketcham Memorial Award, its highest honor.

The Albert H. Ketcham Memorial Award commemorates the achievements of Dr. Albert H. Ketcham. Created by the ABO in 1936, this award is presented annually to an individual who has made a notable contribution to the science and art of orthodontics. The award was presented on May 6 at the ABO awards reception held in conjunction with the American Association of Orthodontists Annual Session in New Orleans, La.

Dr. Greco is a clinical professor in the Department of Orthodontics at the University of Pennsylvania School of Dental Medicine, recently completing his 39th year on the faculty. Dr. Greco is the attending orthodontist at Thomas Jefferson University Hospital, where he is an adjunct instructor in the Department of Oral and Maxillofacial Surgery. He is also a faculty member at the Einstein Medical Center Department of Orthodontics. He maintains a private practice in Philadelphia and Ardmore, Pa.

Dr. Greco has been certified by the American Board of Orthodontics since 1989. He was elected to the ABO board of directors in 2002 and served as ABO president during the 2009-2010 year. He continues as an ABO examiner. The ABO presented him with the Earl E. and Wilma S. Shepard Distinguished Service Award in 2018.

A member of the Edward H. Angle Society of Orthodontists Eastern Component, Dr. Greco served as Angle Society

president from 2019-2021 and has been a member of the board of directors since 2011. He received the Society's Distinguished Service Award in 2019.

He is a Fellow of the American College of Dentists and the International College of Dentists, and is a member of the American Society of Dental Ethics. He also is a member of the American Association of Orthodontists, the Middle Atlantic Society of Orthodontists and the College of Diplomates of the American Board of Orthodontics. He also has held leadership roles in the University of Pennsylvania Orthodontic Alumni Society.

Dr. Greco is an associate editor of the American Journal of Orthodontics and Dentofacial Orthopedics, and authors a monthly column entitled "Ethics in Orthodontics." He also is an editorial board member of the "Issues in Dental Ethics" section within the Journal of the American College of Dentists. He has contributed to three orthodontic textbooks and authored or co-authored over 165 journal articles or editorials.

Dr. Greco received his doctorate in dental medicine from the University of Pennsylvania in 1979. After three years of dental practice, he returned to the university to obtain his certificate in orthodontics in 1984. His undergraduate degree is from Hofstra University.

On being chosen for the Ketcham Award, Dr. Greco said, "When I learned I was named for this award, my immediate thought was that this award truly belongs to those faculty members around the world who have instilled a reverence for excellence among our specialty. In so doing, they uphold a living legacy of the father of the ABO, Dr. Albert H. Ketcham." ■



GLAO-MASO Annual Session Ready to Meet in the US Virgin Islands

October 17-20, 2024

**Westin Beach Resort & Spa at Frenchman's Reef
in the US Virgin Islands**

Fulfilling a meeting contract that was originally scheduled for 2019, GLAO and MASO will meet at the brand new Westin Beach Resort & Spa at Frenchman's Reef in the US Virgin Islands from October 17 – 20, 2024.

The 2019 meeting was moved from the Virgin Islands to Ft. Lauderdale, Florida, when it was determined that the Marriott, destroyed in 2017 by Hurricane Maria, would not be rebuilt in time. In fact, after multiple construction delays due to soaring construction costs, the sale of the resort, and COVID, the fabulous resort just reopened in Fall 2023.

For GLAO and MASO, the long-awaited opening of the Westin presents a bonus to meeting attendees. Great resort rates for

attendees at a beautiful venue on the Caribbean, and three half-days of unparalleled education, invaluable networking, and the chance to connect with industry-leading vendors make this Annual Session one not to miss!

The meeting theme is “*Reflect*Refresh*Renew*”. Helping to achieve this is our outstanding speaker line-up – Drs. Ki Beom Kim, Chris Roberts, Mohammed Elnagar, and Mark Causey – along with Mr. Amr Alian and Harrison Bagdan, and Ms. Shannon Patterson, Tracy Martin and Jen Butler.

Visit www.glaomaso2024.com for all the meeting, activities and registration information. We hope to see you there! ■

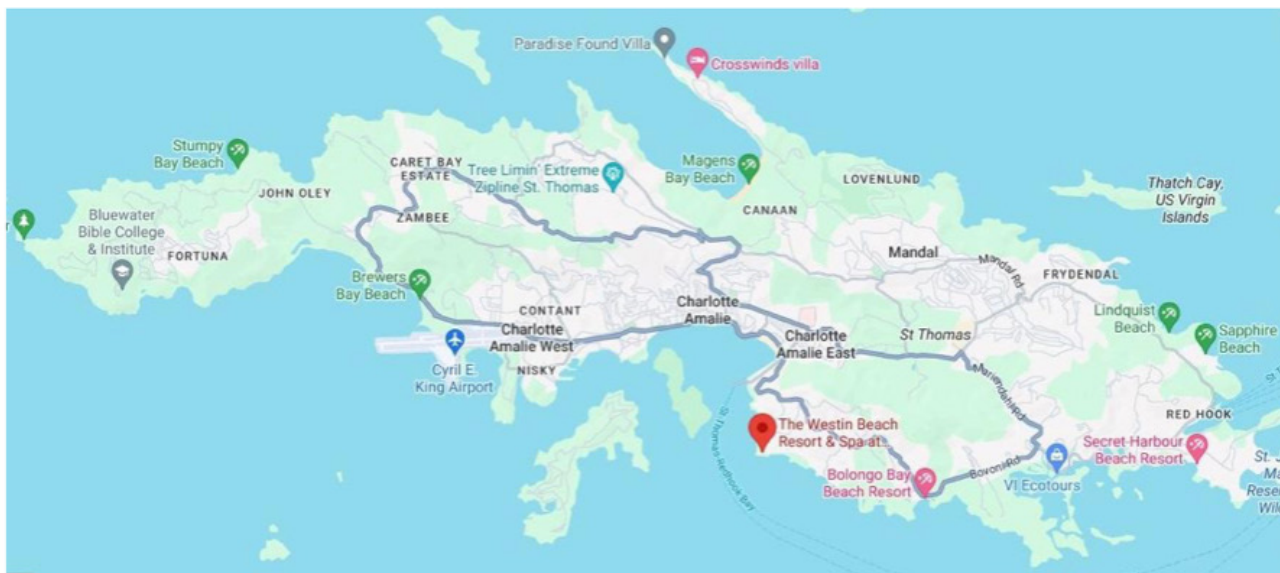
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2024 GLAO-MASO Annual Session

October 17-20, 2024
US Virgin Islands



Register Today
for the
2024 GLAO - MASO Annual Session!

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The Spring CE Program with Dr. Joseph Ghafari

The 2024 Spring CE Program brought a familiar face back to many in the region as Dr. Joseph Ghafari, DMD, traveled from Beirut, Lebanon, to the Hotel DuPont in Wilmington, Delaware, for MASO's annual continuing education program. Dr. Ghafari earned dental degrees from the Universite Saint Joseph in Beirut and the University of Pennsylvania School of Dental Medicine, as well as his orthodontic education at Harvard. He was a Professor at Penn for many years and is a professor and founding head of the Division of Orthodontics and Dentofacial Medicine at the Faculty of Medicine of the American University of Beirut.

There were 130 in attendance at the MASO Spring CE on March 8 to hear Dr. Ghafari on topics From Brackets to Complementary Intelligence: The Contemporary Pathway for Orthodontists, Life Laws Drawn to Orthodontic Practice, and The Multiple Facets of Facial Esthetics- Facial Esthetics in the Eyes of the Orthodontist: Therapeutic Potentials and Limitations.

His presentations were highly rated by attendees and one comment from the evaluations sums up the program: "Evidence based learning from a superlative teacher in our field. Bravo for landing him and making Dr Ghafari available to a new class of residents and to his former students." ■



Dr. Ghafari at the dinner with attendees.



Spring CE meeting at the Hotel DuPont in Wilmington, DE, speaker Dr. Joseph Ghafari.



Albert Einstein Medical Faculty and residents at the Spring CE with Dr. Ghafari.



University of Maryland faculty and residents at the Spring CE.



Attendees at the Spring CE meeting.

MASO Poster Boards

MASO residents created the following poster board presentations for the 2024 AAO Annual Meeting. The full presentation can be accessed by scanning the accompanying QR Code.



A Case Study of Gingival Esthetic Outcomes Following Secondary Alveolar Bone Grafting in a Male with a Tessier Type 3 Unilateral Alveolar Cleft

Author: **Charlotte Lenes**, Pennsylvania, Philadelphia, PA
Co-Author: **Michelle Scott**, CHOP, Philadelphia, PA

Abstract: We compared the viscoelastic behavior and force degradation rate of power chains. Rocky Mountain (RM) Energy Silver and Clear, American Orthodontics (AO) Memory Silver, and Unitek (UK) Alastik Silver and Pink were used for this study. Each chain of five units was stretched to 3 times the original length. Tensile strength was measured at this constant extension at various time points over four weeks. Initial forces ranged from 659 gm (AO Silver) to 996 gm (UK Pink) and, after four weeks, from 303 gm to 424 gm, respectively. Approximately 60% decrease occurred in the first 1-2 hours, after which a slow, gradual decline occurred. RM clear had the lowest percent change, followed by RM Silver. UK Pink and Silver had the highest percent change. More significant changes were seen in the wet group compared to the dry group. The formulation and processing of polymers used to make chains may vary between manufacturers, leading to different mechanical strengths, viscoelastic properties, and performances.

A Prospective Clinical Study on the Efficacy of a Novel Toothbrush Adjunct

Author: **Peter Chyun**, Rutgers University, Newark, NJ
Co-Author(s): **Debra Tischiobereski**, Rutgers University, Newark, NJ; **Dipti Godbole**, Rutgers University, Newark, NJ; **Kabilan Velliyagounder**, Rutgers University, Newark, NJ; **Anil Ardeshta**, Rutgers University, Newark, NJ

Abstract: *Introduction:* The complexity of maintaining oral hygiene increases in patients with fixed orthodontic appliances. The Orthobuddy brush was conceived to augment the standard toothbrush and address this issue and the study was designed to gauge the Orthobuddy's efficacy. *Methods:* Ten adolescent patients in fixed orthodontic appliances were recruited and subjected to supervised brushing. Plaque index (PI) were recorded before and after tooth brushing. *Results:* When Orthobuddy was used on the upper arch, the average difference in the PI was 1.38, compared to 1.16 for the lower arch. Conversely, when the Orthobuddy was used on the lower arch, the respective PI differences were 0.96 and 0.70 for the upper and lower arches. *Discussion:* This study reveals that there was a greater reduction in PI in the upper arch compared to the lower arch with or without the use of Orthobuddy. The findings remain inconclusive and would need a larger cohort to ascertain the Orthobuddy's true efficacy.

Asymmetric Extraction Considerations in Patients with an Overall Class I Malocclusion with a Unilateral Class II Molar Relationship Due to a Missing Premolar

Author: **Dr. Lindsay Diaz**, University of Maryland, Baltimore, MD
Co-Author(s): **Eung-Kwon Pae**, University of Maryland, Baltimore, MD;
Steven Zinn, University of Maryland, Baltimore, MD; **Justin Mack**, University of Maryland, Baltimore, MD

Abstract: Patient presented with Class I canines, Class I molar relationship on the left-side and Class II molar relationship on the right-side due to a missing upper right premolar. Patient presented with multiple posterior restorations, root canal therapies, anterior and posterior cross bite, large mandibular tori and unrestorable upper left lateral incisor. Extraction of the upper left lateral incisor due to unrestorability and the lower right central were performed to resolve severe crowding. Patient was bonded upper and lower brackets including the right first molar to left first molars. Gold-restored teeth were banded to avoid debonding of brackets during treatment and disocclusion using bite turbos was performed to help alleviate the several cross bites. The upper left lateral was not engaged, an open coil was activated between upper left central and upper left canine to gain space for lateral to enter into the upper arch. Arch wires were used to expand upper and lower arches.

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Clear Aligner Therapy for Single Tooth Forced Eruption

Author: **Jason Poon**, *University of Pennsylvania, Philadelphia, PA*

Co-Author(s): **Nour Hobani**, *University of Pennsylvania, Philadelphia, PA*; **Nipul Tanna**, *University of Pennsylvania, Philadelphia, PA*; **Chun-Hsi Chung**, *University of Pennsylvania School of Dental Medicine, Philadelphia, PA*

Abstract: Clear aligner therapy for orthodontic movement has been widely popularized for its divergence from traditional metal bracket orthodontics. Alignment, improved hygiene, and esthetics can be achieved with aligners. The scenario of a single tooth with a questionable to hopeless prognosis may once have been deemed non-restorable due to restorative limitations and ultimately extracted. The introduction of forced eruption utilizing traditional orthodontics provided a method for extrusion. An adequate ferrule for the final restorative crown could be achieved as a result of the periodontal response to orthodontic extrusion, without periodontally compromising adjacent teeth. In this case report, orthodontic extrusion of a single tooth was completed using clear aligner therapy with a single elastic to improve the restorative and periodontal prognosis for a maxillary premolar with the added benefit of maintaining root torque.

Comparison of Dentoskeletal and Profile Effects Between Herbst and Pendex Appliances: a CBCT Study

Author: **Dr. Brianna Tucker**, *University of Pennsylvania, Philadelphia, PA*

Co-Author(s): **Hyeran Jeon**, *University of Pennsylvania, Philadelphia, PA*; **Christopher Hudson-Boy**, *University of Pennsylvania, Philadelphia, PA*; **Sam Kadan**, *University of Pennsylvania, Philadelphia, PA*; **Chun-Hsi Chung**, *University of Pennsylvania School of Dental Medicine, Philadelphia, PA*

Abstract:

The aim of this study is to retrospectively compare the skeletal, dentoalveolar and soft tissue treatment effects in skeletal Class II patients using the Herbst or Pendex appliances using 3D CBCTs. The sample population is comprised of 24 Herbst patients (11.9 ± 1.54 , 11F/13M) and 25 Pendex patients (11.68 ± 1.14 , 14F/11M) as a control. Orthogonal lateral cephalograms were extracted from CBCTs taken at three-time points: initial (T1), after appliance removal (T2), and final (T3). After a normality test, either 2-tailed Student's t test or ANOVA with Scheffe's post-hoc test was performed ($p < 0.05$). Both Herbst and Pendex treatments successfully achieved Class II correction. For the comparison of treatment outcomes (T3-T1), we found statistical significance in ANB, Wits, overjet, and interincisal angle, whereas all mandibular parameters showed no significant difference between the two treatment modalities. However, we could see a better profile improvement in Herbst treatment..

Comparison of Virtual Treatment Setup Among Clear Aligner Companies

Author: *Vicente Telles, University of Maryland School of Dentistry, Baltimore, MD*

Co-Author(s): **Flavio Copello**, *University of Maryland, Baltimore, MD*; **Maria Doughan**, *University of Maryland, Baltimore, MD*

Abstract: The purpose of this study was to compare the initial treatment setup between five clear aligner companies to assess their differences. Identical sets of 10 initial records, including extra and intraoral photos and scans, were submitted to Invisalign™, Clear Correct®, 3M Clarity™ Aligners, Reveal™ Aligner, and Spark™ Clear Aligner System. Prescriptions were standardized to ensure comparable treatment plans across cases. Evaluations focused on the number of trays, number of teeth with attachments, amount of interproximal reduction, final canine and molar relationship, planned vertical movement of maxillary central incisors, and final intercanine and intermolar widths. Significant differences were found between the companies in terms of number of aligners (p -value = 0.003), number of attachments (p -value < 0.001), and final canine relationship (p -value = 0.013). These findings provide a better understanding of differences between aligner companies and their treatment setup processes.



CONTINUED ON PAGE 12

Does Aligner Refinement Have the Same Efficiency in Deep Bite Correction?

Author: **Hyeran Jeon**, *University of Pennsylvania, Philadelphia, PA*
Co-Author(s): **Jessica Kang**, *University of Pennsylvania, Philadelphia, PA*;
Nishat Shahabuddin, *University of Pennsylvania, Philadelphia, PA*

Abstract: We aimed to determine the predictability of deep overbite correction over several refinements using Invisalign® and examine the accuracy of vertical movement and inclination change of individual teeth. This retrospective study included 20 deep bite patients (7M, 13F; 32.63 ± 11.88 yo; OB 5.09 ± 0.98 mm), consecutively treated from September 2016 and March 2023. The initial, predicted and achieved models were exported from ClinCheck and superimposed via best-fit surface-based registration. The overbite correction and changes in vertical movement and inclination for individual teeth were measured. Descriptive statistics and a paired t-test were performed ($P < 0.05$). The mean accuracy of overbite correction was 37.63% after 1st set, followed by 11.19% and 6.32% (2nd and 3rd). There were statistically significant differences between the predicted and achieved movements. We concluded that most overbite corrections occurred during the 1st set of aligners.

Emphasizing Differential Diagnosis in Patients with Class 3 Malocclusion

Author: **Tri Le**, *University of Maryland, Baltimore, MD*
Co-Author: **Maria Doughan**, *University of Maryland, Baltimore, MD*

Abstract: Class 3 malocclusion remains one of the most difficult malocclusions to treat. Complications span from dentoalveolar problems leading to a functional anterior shift of the mandible to true skeletal discrepancies, making diagnosis particularly challenging in growing children. An 11-year-old male was referred for a second opinion to the Department of Orthodontics at the University of Maryland to assess the complexity of his malocclusion and evaluate the necessity for potential orthognathic surgery. The patient presented with a class 3 malocclusion, an anterior crossbite, a deep bite, and impacted maxillary canines. Upon clinical examination, the mandible was manipulated with the aim of differentiating a true class III from a pseudo-class III malocclusion, confirming a CR-CO discrepancy. Successful elimination of the mandibular shift was achieved after maxillary expansion, with ongoing space creation for the impacted canines. This case illustrates the critical role of accurate diagnosis.

Interdisciplinary Approach Utilizing Orthodontic Tooth Movement to Improve Periodontal Therapy Outcome

Author: **Dr. Padma Mukherjee**, *Professor, Director, Rutgers, Westfield, NJ*
Co-Author: **Ioanna Tsolaki**, *Rutgers School of Dental Medicine, Newark, NJ*

Abstract: Periodontal therapy success is multifactorial and dental occlusion, patient motivation and oral hygiene play a critical role. In this case report we present a patient treated with orthodontic treatment using aligners to lingually retrocline mandibular anterior teeth to improve bone support and remove the trauma from occlusion. This was followed by periodontal surgery and bone graft to improve attachment. Follow up post treatment CBCT images indicate excellent bone support and success of this interdisciplinary approach. Good communication is critical for success across various dental specialties. Although phase I dental treatment is recommended prior to the start of orthodontic treatment, in cases when there is trauma from occlusion, orthodontic tooth movement could help improve tooth position and in turn improve the success of periodontal therapy outcomes.



CONTINUED ON PAGE 13

Maintaining Maxillary Incisor Torque During Retraction with Clear Aligners

Author: **Dr. Steven Zinn**, *University of Maryland, Baltimore, MD*

Co-Author(s): **Dr. Lindsay Diaz**, *University of Maryland, Baltimore, MD*;

Justin Mack, *University of Maryland, Baltimore, MD*; **Maria Doughan**, *University of Maryland, Baltimore, MD*

Abstract: Bodily retraction of incisors demands meticulous torque control. In patients with anterior spacing and thin labial bone, controlling the axial inclination during space closure is essential to prevent uncontrolled tipping, which might result in fenestrations and dehiscence. While traditional brackets can benefit from added palatal root torque, the force system often becomes unpredictable due to wire play within the bracket slot. Clear aligners present further challenges in torque control, with predictability reduced to 42%. Nevertheless, by incorporating intrusion and employing adequate anchorage control, satisfactory space closure can be achieved. This case report highlights a patient with anterior spacing, initially treated with fixed appliances and later retreated with clear aligners due to relapse. Throughout the retreatment, maxillary incisor torque was consistently maintained.

Miniscrew Mechanics in a Patient with Edentulous Sites and Skeletal Open Bite

Author: **Xuan Wu**, *University of Maryland, Baltimore, MD*

Co-Author: **Flavio Copello**, *University of Maryland, Baltimore, MD*

Abstract: A 31-year-old female patient presented with skeletal open bite, Class II skeletal pattern, posterior buccal crossbite, and missing maxillary incisors, mandibular first molars and maxillary right first premolar. Treatment objectives included closing the lower spaces through molar protraction to assist with anterior bite closure, along with uprighting the mandibular second molars. Buccal miniscrews were placed in the mandibular edentulous span to upright the second molar roots. We also aimed to intrude the maxillary molars by installing two palatal miniscrews on a customized appliance with arms extending from anterior to posterior, which would control intrusion mechanics while tipping the maxillary posterior teeth lingually to correct the buccal crossbite. With canine substitution for the right maxillary lateral incisor, we will reduce the number of restorative units needed in the anterior region from four to three. The patient is happy with the progress, and we expect excellent results.

Neuropathy Secondary to Orthodontic Tooth Movement – Case Report

Author: **Elizabeth Crowe**, *University of Maryland, Baltimore, Baltimore, MD*

Co-Author(s): **Raheel Raad**, *University of Maryland, Baltimore, Baltimore, MD*; **Vicente Telles**, *University of Maryland School of Dentistry, Baltimore, MD*; **Jeffrey Jarvis**, *University of Maryland School of Dentistry, Baltimore, MD*

Abstract: This case involves a 13-year-old female orthodontic patient, who presented with lower left chin numbness. Nine months prior to symptom onset, patient had lower first bicuspid extractions with no postoperative complications. The panoramic radiograph revealed no abnormalities. The leading differential diagnosis was Numb Chin Syndrome (NCS), a rare neuropathy affecting the mental branch of the inferior alveolar nerve (IAN), causing chin and lower lip numbness. NCS is often associated with malignancy but can also result from nerve injury due to orthodontic force application. She was referred for blood tests and a CBCT to rule out malignancy. Investigation revealed compression of the IAN by the abnormally long root of the lower left second molar, which had been bonded at the prior visit. Debonding the lower second molars resolved the symptoms within a month. Notably, only eight cases historically have been diagnosed as neuropathy linked to tooth movement, underscoring its rarity.



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Orthodontic Camouflage of Class III Malocclusion in the Permanent Dentition Utilizing Reverse Pull Headgear Facemask, Maxillary Palatal Expansion, and Class III Elastics

Author: **Justin Mack**, *University of Maryland, Baltimore, MD*

Co-Author(s): **Lindsey Diaz**, *University of Maryland, Baltimore, MD*; **Kelsea Ashton**, *University of Maryland, Baltimore, MD*; **Steven Zinn**, *University of Maryland, Baltimore, MD*; **Jose Bosio**, *University of Maryland, Baltimore, MD*

Abstract: Orthodontic vs surgical management of midface deficient patients with class III malocclusions, and posterior crossbite is a highly debated topic in orthodontic fields of study. In such cases achieving optimal results that allow for ideal occlusion, facial aesthetics, and a non-compromised dentoalveolar complex are important factors to consider when planning out treatment. Properly timed treatment may work in favor of a non-surgical treatment option. This case report highlights treatment for a 14 year-old female, treated during the COVID-19 pandemic, whose clinical and radiographic findings reveal the patient to have presented with all succedaneous teeth and in pubertal growth stage CVM 4. Immediate application of a reverse pull headgear facemask in combination with maxillary palatal expansion, and class III elastics later in treatment, allowed for successful orthodontic camouflage of the class III malocclusion and correction of the posterior crossbite.

Palatal Expansion Followed by Central Incisor and Canine Exposure

Author: **Iman Shirmohammadi**, *University of Maryland School of Dentistry Department of Orthodontics, Baltimore, MD*

Co-Author(s): **Alicia Briscoe**, *University of Maryland School of Dentistry, Baltimore, MD*;
Xuan Wu, *University of Maryland, Baltimore, MD*; **Flavio Copello**, *University of Maryland, Baltimore, MD*

Abstract: A 13-year-old male presented to the University of Maryland Orthodontic clinic for an initial records appointment. The chief complaint: "Someone who extracted my teeth said I need braces. I'm missing some teeth." He presented with a bilateral Angles Class I molar relationship, right end on Angles Class II canine, moderate mandibular anterior crowding with extrusion, increased overjet and overbite, deviation of maxillary midline to the left, proclined UL2, and missing UL1 and UL3 clinically. The panoramic radiograph revealed the root of the UR1 is tipped distally, while the UL1 is positioned to erupt into the UR1, and the UL3 is erupting into the position of the UL2. An interdisciplinary treatment approach with the Periodontist was conducted to expand the maxilla until adequate space was achieved, expose the UL1 and UL3, and guide the teeth into their appropriate position.

Skeletal Anchorage-Assisted Orthodontic Movement of An Ankylosed Permanent Tooth

Author: **Wei Huang**, *Rutgers School of Dental Medicine, Newark, NJ*

Co-Author: **Thomas Cangialosi**, *Rutgers School of Dental Medicine, Newark, NJ*

Abstract: Ankylosis of teeth is a challenging condition in which the cementum is pathologically fused to the supporting bone resulting in loss of the PDL and the ability of the tooth to further erupt or move in any direction. Currently, there is no non-invasive treatment available for ankylosis, and surgical intervention or extraction is often needed. This case report describes successful movement of an ankylosed molar through a skeletal anchorage-assisted orthodontic approach. Interestingly, the movement of the ankylosed tooth did not occur during the force application period, but rather in the following months spontaneously after the appliances had been removed. The movement is hypothesized to be likely caused by the increased bone resorption activity resorbing the ankylotic bony bridge(s) followed by endogenous regeneration of the PDL. This opens the possibility that dental ankylosis could be tackled clinically through conservative or minimally invasive force-driven orthodontic treatment.



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Thoughtful Orthodontics: A Step-by-Step Case Study on Managing Short Root Anomaly and Ectopic Maxillary Canines.

Author: **Alicia Briscoe**, *University of Maryland School of Dentistry, Baltimore, MD*
Co-Author(s): **Farnaz Younessian**, *University of Maryland School of Dentistry, Baltimore, MD*;
Xuan Wu, *University of Maryland, Baltimore, MD*; **Iman Shirmohammadi**, *University of Maryland School of Dentistry Department of Orthodontics, Baltimore, MD*

Abstract: A twelve-year-old female patient presents with severe maxillary crowding, ectopic maxillary canines, and short root anomaly—a condition that also afflicted her family. Clinical and radiographic evaluation revealed marked shortening of the maxillary incisor roots, with the right lateral incisor showing the greatest compromise and mobility. The chosen, and most suitable, treatment modality involved conservative unilateral maxillary right canine substitution. Creative stepwise orthodontic mechanics and force manipulation were used to move the canines effectively while minimizing stress on the remaining incisors, all without the need for temporary anchorage devices. This treatment plan's primary goals are to achieve esthetic and stable results and is expected to conclude within approximately one year. The strategy employed not only aims at resolving these issues but also serves as a testament to the effectiveness of current orthodontic approaches in similar cases.

Tooth Size Accuracy in 3D-Printed Dental Models

Author: **Kumpal Patel**, *Rutgers School of Dental Medicine, Newark, NJ*
Co-Author: **Wei Huang**, *Rutgers School of Dental Medicine, Newark, NJ*

Abstract: The study aimed to assess the accuracy of individual tooth size of 3D-printed models using both 2D and 3D methods. Models were printed from a digital cast at various combinations of build angle (0/30/60/90°) and layer height (20/50/100µm). The models were scanned, soft tissue digitally trimmed, individual tooth sectioned, and tooth size analyzed using both 2D measurements (OrthoAnalyzer) and 3D superimpositions (Geomagic Control). We showed that 1) Through linear measurements, the width of all teeth fluctuated around the reference value with no statistical significance except for lateral incisors. Both lateral incisors showed reduced width compared to the reference regardless of build angle or layer height. 2) Through 3D superimposition, the average deviation of each tooth is less than +/- 50mm, regardless of build angle or layer height. This is well below the clinical tolerance level, indicating that there is good accuracy of each individual tooth in 3D-printed dental models..

Treatment of Anterior Open Bite and Class III Dental Tendency with Air Rotor Stripping and Palatal Miniscrews on a 39-Year-Old Female - A Finished Case Report

Author: **Kevin Barnes**, *University of Maryland, School of Dentistry, Baltimore, MD*
Co-Author: **Viney Saini**, *University of Maryland, School of Dentistry, Baltimore, MD*

Abstract: This finished case report describes a 39-year-old female who presented with anterior open bite, Class III tendency, broad maxillary arch form with increased maxillary Curve of Wilson and increased posterior buccal overjet, as well as bimaxillary protrusion. Treatment options considered were air rotor stripping or extraction of four first bicuspids. The treatment performed was interproximal air rotor stripping from mandibular first molar to first molar and maxillary canine to canine for retraction of anterior teeth and closure of the bite. Miniscrews were also placed palatally between maxillary molars bilaterally. Powerchain was used from the miniscrews to lingual buttons on the maxillary molars to help intrude and correct buccal crown tip. This allowed for improved cusp/fossa relationship and posterior overjet, thus helping to close the anterior open bite. The patient finished Class I molar/canine with ideal overbite and overjet and is pleased with an outstanding outcome.



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RESEARCH ABSTRACTS

Utilization of Carriere Motion Appliance to Correct Class II with Anterior Crowding Prior to Invisalign Treatment

Author: **Dr. Jessica Jiang**, *University of Maryland School of Dentistry, Baltimore, MD*
Co-Author(s): **Kevin Barnes**, *University of Maryland School of Dentistry, Baltimore, MD*;
Jeffrey Jarvis, *University of Maryland School of Dentistry, Baltimore, MD*

Abstract: An eighteen year old Caucasian female presented to the University of Maryland School of Dentistry seeking orthodontic treatment. The patient was skeletally Class I (ANB = 2.7) and presented with moderate maxillary and mild mandibular anterior crowding, bilateral class II canine and molar relationship, increased overjet of 6mm, and deep bite. Treatment options were presented to relieve her crowding, idealize her canine-molar relationship, and reduce her overjet and overbite. The final treatment plan included utilizing a Carriere Motion Appliance in conjunction with class II elastics to distalize the maxillary posterior segments, resolving the patient's class II tendency and mitigating her anterior crowding. Following distalization the patient was treated with Invisalign aligners and nighttime class II elastics. The patient is currently awaiting refinement and tracking very well. ■



CASE PRESENTATION

Diagnosis and Treatment Plan According to the Six Elements of Orofacial Diagnosis

by **Dr. Normand Boucher**



The patient was a 25-year-old female whose chief complaint was that her front teeth were too prominent and that she only bit on her back teeth. She reported clicking from her right temporomandibular joint.

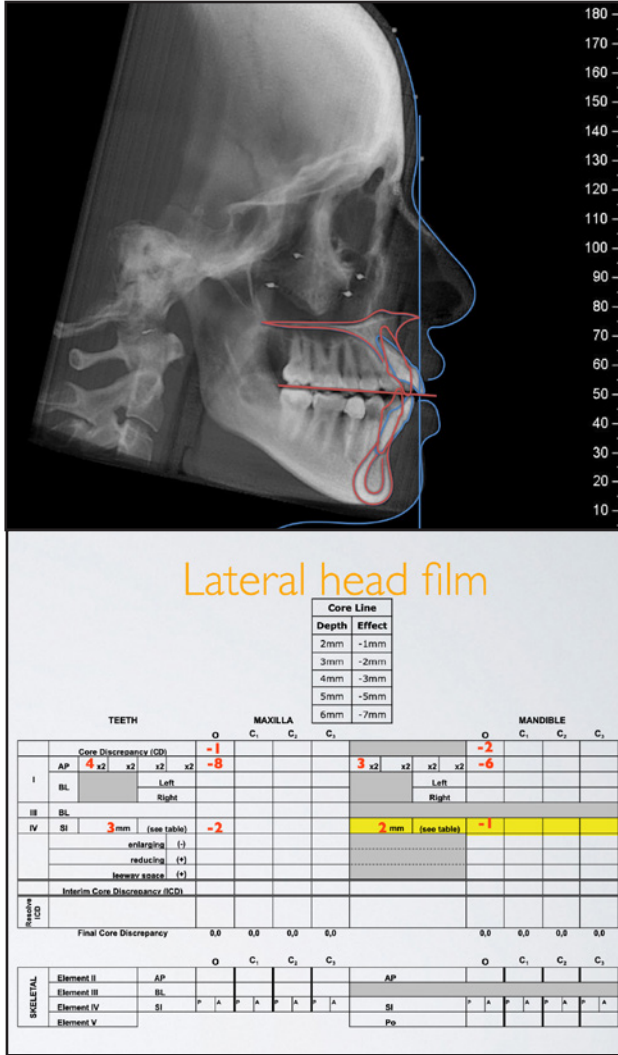
Dental Diagnosis



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CASE PRESENTATION

The effect of the Curve of Spee on the core line depends on the depth of the curve and can be estimated by using the core line table at the top of the diagnostic sheet. The Curve of Spee in the lower arch was 3 mm, resulting in an additional 2 mm of crowding to the lower arch, and was 2 mm in the upper arch, resulting in 2 mm of additional crowding.

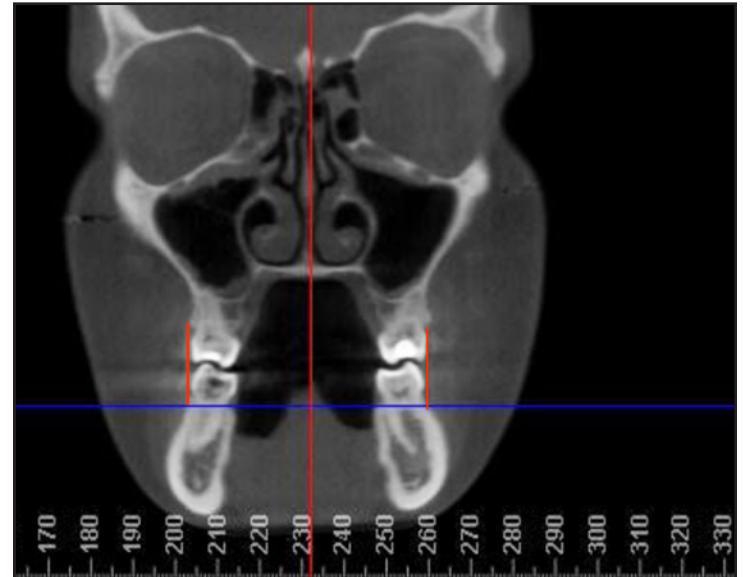


The quality of the transverse dimension begins with assessing the inclination of the posterior teeth. The WALA ridge is a mandibular diagnostic landmark identified as a prominence just above the mucogingival junction identified on study models. When the lower first molars are optimally inclined, the Fa-Point (midpoint of the groove on the facial surface) is 2 mm away from a vertical plane emanating from the WALA ridge.

When the maxilla is narrow relative to the width of the mandible, the lower molars are frequently excessively lingually inclined to compensate for the transverse skeletal discrepancy. They must then be buccally uprighted to a targeted position based on the WALA ridge to Fa-Point optimal 2mm distance.

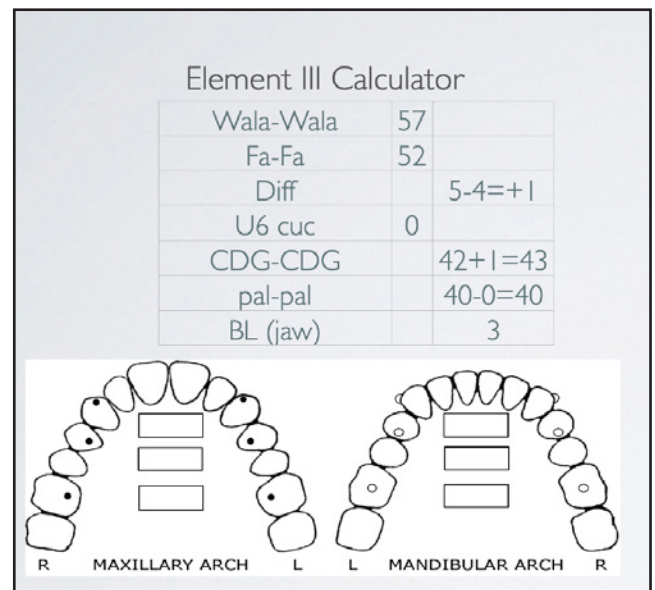
When the upper molars are optimally inclined, the palatal cusp hangs no more than .5mm below the buccal cusps. If

the distance between these cusps is greater than .5mm the upper posterior teeth are buccally inclined to compensate for a narrow maxilla relative to the width of the mandible. Every millimeter that the palatal cusps hang below the buccal cusps requires palatal tipping of the posterior teeth by a similar millimetric distance.



The decompensation of the lower posterior teeth can provide additional space for the core discrepancy, while the decompensation of the upper arch usually results in additional crowding.

Andrews refers to the transverse dimension as Element III. The Element III calculator reflects the attempt to ideally decompensate the posterior teeth with subsequent orthopedic expansion of the maxilla to its optimal width so that the upper palatal cusps land ideally in the lower central developmental grooves.



CONTINUED ON PAGE 19

CASE PRESENTATION

TEETH												MAXILLA				MANDIBLE					
Core Discrepancy (CD)												O				C ₁					
AP												x2				x2					
I	BL																				
III	BL																				
IV	SI	3 mm	(see table)	-2																	
		enlarging (-)																			
		reducing (+)																			
		leeway space (+)																			
		Interim Core Discrepancy (ICD)																			
Review ICD		Final Core Discrepancy		0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
SKELETAL		Element II		AP																	
		Element III		BL																	
		Element IV		SI																	
		Element V		Po																	

Skeletal Diagnosis:

The Andrews analysis uses a color code to describe skeletal relationships. A deficiency is described as being in the black zone, an excess in the red zone, and an optimal skeletal dimension is described as being in the green zone.

Element III—Transverse: In this case, the upper posterior teeth were ideally inclined, and the lower posterior teeth were excessively lingually inclined by 1.5mm per side. Therefore, the maxillary width was deficient by 3mm, and is referred to as a Black 3 (B3)

Element II-- Sagittal: With the Andrews analysis, the quality of the sagittal dimension (Element II) begins with creating a vertical plane tangent to the prominence of the forehead (glabella) with the skull oriented to an adjusted natural head position. When the Fa-Point of the optimally inclined most prominent incisor is tangent to this vertical plane, the maxilla is considered to be in its ideal position

If the incisal edge of the optimally inclined lower incisor articulates against the lingual surface of the optimally inclined upper incisor that is tangent to the vertical plane from Glabella, the anteroposterior (sagittal) position of the mandible is considered ideal.

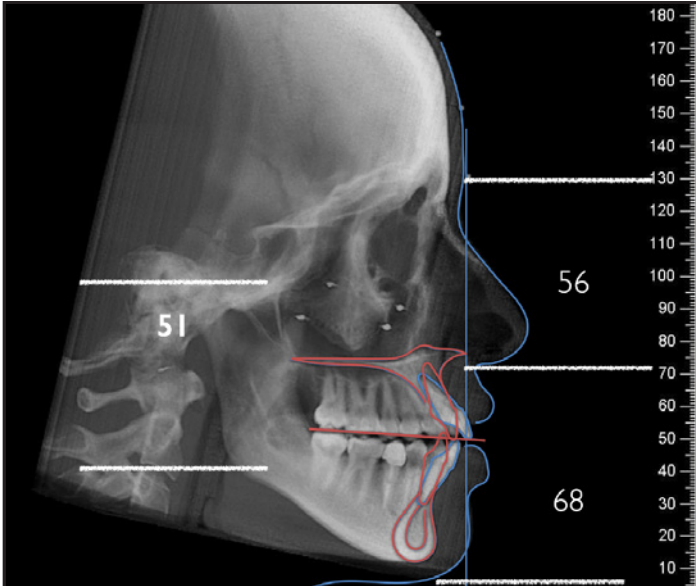
In this case, the maxilla and the mandible were diagnosed as retrognathic by 3 mm. Therefore, they are referred to as B3 maxilla and B3 mandible.

Element IV-- Vertical: The diagnosis of the mandibular vertical dimension is divided into the anterior and posterior parts of the mandible. The anterior mandibular vertical dimension is ideal when the linear distance from Glabella to Subnasale equals the distance from subnasale to soft tissue Menton. An additional distance of up to 10mm from Subnasale to soft tissue Menton is also considered to be within the normal range.

The posterior mandibular vertical dimension is considered normal when the distance from Condylion to Gonion is equal to that from Glabella to Subnasale.

The vertical skeletal dimension of the maxilla is also broken down into anterior and posterior areas. The anterior part of the maxilla is considered vertically normal when the Fa Point of the upper incisor is vertically positioned at the lowest point along the vermilion border of the relaxed upper lip. The posterior aspect of the vertical skeletal dimension of the maxilla is considered normal when the angle formed by the occlusal plane and a horizontal line perpendicular to the true verticle is within the range of four to ten degrees.

Element V—Pogonion: The development of the prominence of the chin is considered ideal when a line perpendicular to the occlusal plane is tangent to the Fa-Point of the optimally inclined lower incisor and also tangent to pogonion.



TEETH												MAXILLA				MANDIBLE					
Core Discrepancy (CD)												O				C ₁					
AP												x2				x2					
I	BL																				
III	BL																				
IV	SI	3 mm	(see table)	-2																	
		enlarging (-)																			
		reducing (+)																			
		leeway space (+)																			
		Interim Core Discrepancy (ICD)																			
Review ICD		Final Core Discrepancy		0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
SKELETAL		Element II		AP																	
		Element III		BL																	
		Element IV		SI																	
		Element V		Po																	

CONTINUED ON PAGE 20

CASE PRESENTATION

The vertical skeletal diagnosis, in this case, was that the anterior part of the mandible was excessive by 2mm, the posterior part of the mandible was deficient by 5mm, the anterior aspect of the maxilla was ideal, and the posterior aspect of the maxilla was within the normal range.

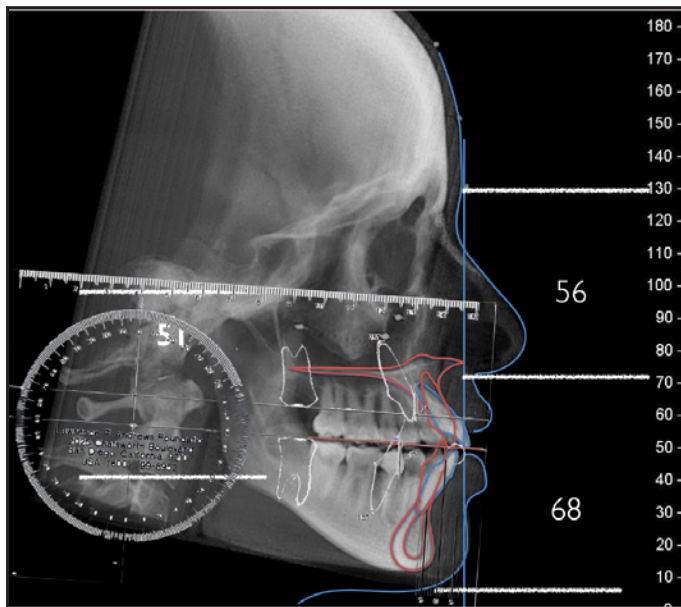
The chin point was considered more prominent than the ideal by 3mm.

Treatment Plan:

The targeted position of the upper and lower anterior and posterior teeth required retraction of the anterior teeth, which added to the severity of the Core Discrepancy and resulted in an Interim Core Discrepancy of -8mm in both arches. Resolving that crowding led to the decision to extract the upper and lower first premolars

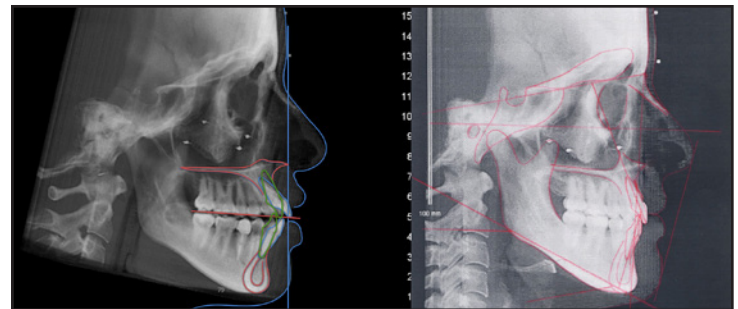
The targeted position of the upper and lower anterior and posterior teeth required retraction of the anterior teeth, which added to the severity of the Core Discrepancy and resulted in an Interim Core Discrepancy of -8mm in both arches. Resolving that crowding led to the decision to extract the upper and lower first premolars.

In the final result, the anterior teeth were ideally inclined in the predicted targeted positions. From a functional standpoint, there was adequate anterior guidance and the posterior teeth were well intercuspatated.



Core Line	
Depth	Effect
2mm	-1mm
3mm	-2mm
4mm	-3mm
5mm	-5mm
6mm	-7mm

TEETH	MAXILLA				MANDIBLE						
	O	C ₁	C ₂	C ₃	O	C ₁	C ₂	C ₃			
Core Discrepancy (CD)	-1				-2						
I AP	4	x2	x2	x2	-8	3	x2	x2	-6		
BL	Left				Right						
II BL	0				+3						
IV SI	3 mm (see table)				2 mm (see table)						
	entering (-)				0						
	reducing (+)				0						
	leaving space (+)				0						
Interim Core Discrepancy (ICD)	-8				-8						
Final Core Discrepancy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
SKELETAL	Element II	AP	B3				AP	B3			
	Element III	BL	B3								
	Element IV	SI	R4 G				SI	B5 B			
	Element V						Pe	B7			



Note: A more detailed and comprehensive description of the Andrew's "Six Elements of Orofacial Diagnosis" approach to diagnosis and treatment planning is available in the recently released textbook written by Drs. Larry and Will Andrews. Information on the textbook is available on the Lawrence F. Andrews Foundation website. ■

AAO COUNCIL REPORTS



COUNCIL ON COMMUNICATIONS

Dr. Lawrence Wang

The council members and talented AAO staff have continued the important work of engaging and educating parents and patients and strengthening the value of AAO membership. The COC met four times virtually in fiscal year 2024 and had two in-person meetings in September 2023 and February 2024. Please see below for an update on COC activities, and feel free to contact me with any questions or ideas.

CONSUMER AWARENESS PROGRAM (CAP) – FISCAL YEAR 2024

The CAP is the only mass advertising campaign promoting orthodontists as specialists and educating the public to see an orthodontist in person. The CAP program currently focuses on digital marketing, to drive quality traffic to the consumer website.

FY24 Performance June 1, 2023 – May 31, 2024:

- **1.2+ Billion impressions served** – This means that CAP ads appear across platforms like Google display, Paid Search on Google and Bing, YouTube online video, Facebook, and Instagram.
- **Over 143MM video views**, which is a 70% increase over last year.
- **14MM+ ad clicks**, which is an 80% increase over last year.
- **15MM consumer website page views**, a 15% increase over last year.
- Overall, the campaign has driven over **10 million users to the consumer site** (the highest recorded for the AAO) and **2.6MM visits to the Find an Orthodontist locator**.

FY24 Consumer Awareness Program highlights:

1. **Straight Talk Campaign:** The campaign rolled out in May 2023 and continued through April 2024. Aimed at educating consumers while dispelling common myths about orthodontics, it featured real orthodontists who delivered straightforward insights and tackled common consumer misconceptions.
2. **Steady Rain:** our digital media agency has played a pivotal role in the success of our Consumer Awareness Program (CAP), focused on educating the public about the importance of orthodontic treatment. We have witnessed significant improvements in key metrics, with noteworthy year-over-year increases in traffic to the consumer web-

site, page views, impressions, ad clicks, and video views. Despite maintaining a flat spend, our cost per user has declined, highlighting the efficiency of our investment. Proper oversight is in place, and AAO Staff monitors the agency dashboard daily, meets with the agency bi-weekly, and provides ongoing reports to COC.

3. **The Holderness Family Collaboration:** A well-known influencer family with over 6 million subscribers on Facebook and YouTube collaborated on a video and blog post about the importance of seeing an orthodontist. The video, titled Good Things Come to Those Who Wait, is a heartwarming and relatable portrayal of how braces can be a rite of passage for many teenagers and how they can help improve smiles, bite, and self-confidence. The video was seen by over 1.2 million users and received overwhelmingly positive feedback.
4. **Teenage Mutant Ninja Turtles Partnership:** AAO partnered with Paramount Pictures and the movie Teenage Mutant Ninja Turtles: Mutant Mayhem. The AAO created various marketing resources for members to use in their marketing outreach and social media. The partnership helped to raise awareness about the importance of orthodontic treatment and portrayed braces as trendy and approachable, particularly among children and teenagers.
5. **Bullying Bites:** For the fifth year, the AAO's #BullyingBites campaign coincided with National Bullying Prevention Month. This initiative empowers both members and patients to act by creating awareness and spreading the message of kindness. The campaign saw a surge in engagement, with over 7,000 visits to the Practice Marketing Tools page and 65,000+ social media impressions.
6. **The Closure of SmileDirectClub:** In December of 2023, the AAO distributed media advisories and press releases to provide key messages about patient health and safety related to mail-order orthodontics. We offered guidance to SDC customers, shared the risks associated with other mail-order orthodontic companies, and stressed the importance of in-person examinations and x-rays before starting any orthodontic treatment. We saw over 672 stories that ran from AAO interviews and press release pickups with over 1.41 billion potential audience impressions.
7. **Mewing Awareness:** January 2024 brought renewed interest in an old TikTok trend, Mewing. "Open Wide," the subject of a Netflix launch on January 23, examined "mewing," a theory and practice to reshape jaws, developed by an orthodontist but not based on scientific evidence and research. The AAO developed a consumer

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AAO COUNCIL REPORTS

blog, organic social media posts, press releases, and some paid search keyword terms via the Consumer Awareness Program. The AAO developed these additional consumer-focused materials on mewing to inform the public about the inflated promises and complicated treatment issues that can arise from this practice. From January 16-31, 2024, the press release had 369 total mentions, garnering more than 1.5 million potential audience impressions.

8. **Taryn Newton, Influencer Program:** This program launched in mid-February. Taryn is a mom of five kids, aged 1 to 17, with an Instagram following that is over 1M. Her audience is 99% women, and in our target demographic of women between 25-44. She created a series of engaging Instagram posts informing her followers on the importance of seeing an orthodontist by age 7, increasing brand awareness for the AAO, and helping drive traffic to the consumer website. The AAO was featured in multiple Instagram stories, an Instagram post, and featured in her weekly newsletter, which is emailed weekly to her subscribers. Our posts received an overwhelming response from this campaign. More than any other campaign she has EVER done!
9. **The Science of Smiles Campaign:** Launched in April 2024. The Science of Smiles campaign will position orthodontists as the ultimate authority through a series of engaging and educational videos highlighting their unique education and training and establishing them as the go-to experts sought after for their exceptional knowledge and skill. This campaign, while still new, is seeing impressive results in all paid digital channels, and we are looking forward to launching additional episodes throughout the next fiscal year.
10. **Search Engine Optimization (SEO):** This was an ongoing focus throughout FY24. The Website Subcommittee and Steady Rain continue to enhance and refine landing page content, develop new content, update technical functionality, improve integrations, and make further improvements to the consumer website to ensure we are optimizing organic traffic that comes to the consumer website.

MEMBER MARKETING UPDATES – FISCAL YEAR 2024

The AAO Board of Trustees identified Member-Centric Marketing and Communications as one of three objectives the AAO should prioritize.

Below are updates on our marketing efforts being employed:

1. **Omni-Channel approach to membership marketing:** Our member-centric marketing and communications strategy puts our members first in what we communicate about. The strategy includes increased posting on social media, strategic solo emails on specific topics, oversight of topics

covered in the eBulletin, increased texting, and keeping all-volunteer leadership aware of all areas of the association.

2. **eBulletin:** Reading the weekly eBulletin is the number one action we would want members to take with the AAO, and we use this to communicate the important AAO and industry news happening each week. We regularly see open rates above 60% (well above the industry benchmark standard), representing over 10,000 members. Each of the weekly eBulletins is also turned into an Instagram story and shared each week.
3. **Member Minute:** Starting this fiscal year, our AAO member influencer program allows members to hear straight from their colleagues about important AAO news and benefits each month on social media and in the eBulletin. In recent months, Drs. Trista Felty, Neal Kravitz, Kyle Fagala, David Harmon, and the entire Council on Communications have helped us spread the word about Annual Session registration, TechSelect, our new Volunteer Outreach landing page, the AAO Mental Health Task Force, and the Consumer Awareness Program. We plan to continue this program into the fiscal year 2025.
4. **Ortho Staff Outreach:** Continuing efforts to connect with members' office managers to communicate more easily with offices about marketing campaigns or relevant educational opportunities. We currently have a list of over 1,000 office staff contacts. AAO Staff plans to continue collecting this information twice a year and developing a quarterly communication plan specifically for Ortho Staff members starting in September 2024.
5. **Social Media Outreach:** In late 2023, we launched a new strategy to increase the frequency of posts across our AAO-owned channels (Facebook, LinkedIn, Twitter, Instagram) and integrate key messages for members into our content plan. We are consistently finding ways to improve our presence on social media, especially through Instagram. The AAO Staff has been creating Reels to deliver messages around events, CAP initiatives, and member benefits. This fiscal year, we have increased views, reach, and engagement metrics through our focused strategy.
6. **Texting Initiative:** We increased texting with members to highlight AAO news, benefits, events, and programs.
7. **Member Website:** The Member Website continues to be the single source of truth for member benefits and information. However, in FY 23/24, we continue improving the user experience, searchability, and content accuracy on the Member Website. By the end of FY24, ensure content on the website is updated and accurate, and search functionality has been revamped to improve user experience. ■

AAO COUNCIL REPORTS



COUNCIL ON GOVERNMENT AFFAIRS

Dr. Jean Edouard Asmar

2024 continues to build on the Council on Government Advocacy's (COGA) growth and influence for AAO member advocacy priorities. We continue to make data-driven strategic decisions in coordination with AAO staff to determine AAO policy opportunities in Washington, DC, and nationwide at the state level. Our key issues include workforce challenges, small business issues, student loan debt, and patient health and safety relating to mail-order orthodontics.

We had an incredible 2024 Professional Advocacy Conference at the Hamilton Hotel and on Capitol Hill in Washington, D.C. February 27-28. During the annual AAOPAC Reception on Tuesday night, AAO members were joined by 15 U.S. senators from both sides of the aisle who met with their constituents and connected informally with AAO members and residents attending the conference.

We are thrilled to have recognized the inaugural inductees of the AAOPAC Hall of Fame, including two of our own NAN volunteer leaders: Dr. Dennis Sommers (ND), and Dr. Dean Jensen (TX). AAO immediate past president Dr. Norman Nagel (CA) was also honored as part of the inaugural class. We are so thankful for your contributions and inspiring leadership over the years supporting AAOPAC – and all you have accomplished in your service to the AAO.

On Wednesday, 120 AAO members attended over 60 meetings with Congressional offices on Capitol Hill where AAO federal policy priorities were discussed and advanced, including the need for an in-person visit to precede mail-order orthodontic treatment models, solutions to ease the burden of student loan debt (REDI Act), and the increase of FSA limits.

Congratulations to AAOPAC for another all-time, record-breaking fundraising year with \$473,942.89 raised! That is 10% over the fiscal year goal set by the AAOPAC Board. THANK YOU for your incredible support of AAOPAC that helps to fuel our advocacy success not only in Washington, DC but also in states throughout the country.

For what is likely the first time ever, we had AAOPAC contributors from all 50 states plus the District of Columbia and Puerto Rico! (Go MASO!) AAOPAC continues to celebrate its 30th anniversary throughout 2024. Consider making a contribution now at AAOPAC.org!

With your help, and those dollars help fuel our advocacy priorities at the Federal level and in states across the country. Your grassroots engagement continues to be the key to our advocacy success, and the newly created National Advocacy Network provides opportunities to play even more of a volunteer leadership role in collaboration with COGA. If you want to get more involved, please text the word "NAN" to the number 52886. Advocacy continues to be the number one issue for AAO Members, and we appreciate your interest and engagement on those issues and your essential contributions at AAOPAC. ■



With the Oklahoma Senator Markwayne Mullin



MASO delegation do the COGA/ AAOPAC meeting in DC.



With Connecticut Senator Richard Blumenthal

AAO COUNCIL REPORTS



COUNCIL ON MEMBERSHIP, ETHICS & JUDICIAL CONCERNS

Dr. Taran "Ty" Saini

Since my last report, COMEJC held an in-person meeting on January 5th and a conference call on March 12th. The discussions focused on ongoing projects, new initiatives within the AAO, and, of course, resolutions for the House of Delegates held during the AAO AS Session in New Orleans.

Some noteworthy items (special thanks to Brandon Hackworth at the AAO!):

1. **Resident Presentation Strategy:** Improve upon the existing Resident Vitals Program (offered each year to every residency program) to better inform residents about the purpose, value, and opportunities to serve in the AAO.
2. **Graduated Dues:** During its February meeting, the BOT directed COMEJC to explore a possible new graduated dues structure for new orthodontists. Although market share data indicate a drop-off in membership from year four to year five of active membership (when the graduated dues scale reaches full dues), renewal data points to relatively lower renewal rates in the first two-to-three years of membership and improving in later years. The conclusion is that lower renewal rates in the early years impact the market share rates in years five and beyond. COMEJC will continue discussing the BOT referral leading up to the August deadline and engage with the Council on New and Younger Members (CONYM) for their input.
3. **Outcomes from the 2024 House of Delegates**

COMEJC submitted multiple resolutions to the 2024 House of Delegates, resulting in a variety of outcomes:

08-24 COMEJC – Bylaws Amendment (International Member Eligibility) – **ADOPTED**

- **Result:** This removes superfluous and outdated language from Bylaws. International Membership eligibility is not impacted.

09-24 COMEJC – Bylaws Amendment (Retired Membership Eligibility) – **ADOPTED**

- **Result:** The bylaws now more clearly define what constitutes retired status from the membership standpoint. More specifically, members must have retired from orthodontic practice, teaching, and research, but they are allowed an exception up to 416 hours per year (one day per week) if they teach at an accredited program/dental school and/or provide locum tenens coverage.

14-24 COMEJC – Establishment of Trial AAO Membership – **ADOPTED** (with amendments)

- **Result:** The trial membership is being implemented for 2024-25 to allow eligible orthodontists to join at no cost for the first year (constituent/component dues still apply).

15-24 COMEJC – Extension of Pilot for Bulk Membership Dues for International Orthodontic Societies – **ADOPTED**

- **Result:** A previous pilot program is being extended by one year so the AAO can attempt to negotiate bulk membership dues with select international societies.

The Council will hold a conference call this summer, and its next in-person meeting will be on January 10, 2025, at the AAO headquarters in St. Louis.

I want to thank those who contacted me during the year with questions, encouragement, and suggestions. Please keep them coming! ■



COUNCIL ON NEW AND YOUNGER MEMBERS

Dr. Natalie Miller

CONYM members gathered for an annual in-person meeting on February 3, 2024, at the AAO headquarters in St. Louis. Zoom meetings were also held on March 20, 2024, and June 18, 2024. Dr. Kevin Kurtzner will continue to serve as our chair this year, and our very own **Dr. Steven Siegel** will serve as our Trustee liaison.

CONYM members actively provide feedback on AAO's high-level strategy to engage with residents and new orthodontists, which remains a top priority for the council. Each year, CONYM members support AAO's membership renewal efforts by contacting colleagues in their constituent regions who have not renewed. As of February 2024, approximately 96.4% of Active Members, including 94.4% of new and younger members, had renewed.

The Residents Champions program, a resounding success, now boasts participation from almost all accredited orthodontic

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AAO COUNCIL REPORTS

residency programs. This year, we welcomed two new programs, Touro and Southern Illinois University at Edwardsville, into our growing community. As we move forward, CONYM is committed to expanding our outreach efforts with Resident Champions.

The AAO Connections Program, a vital part of our mentorship initiative, was launched in 2021. Despite the high platform costs, the program has received positive feedback. However, we are eager to see increased user participation. To this end, the Events and Education department is conducting a technology audit and exploring alternative mentorship approaches to enhance engagement.

CONYM was key in organizing the New Orthodontist and Resident Conference at the AAO Annual Session in New Orleans, which was well-attended! The conference included a welcome message from our new Trustee-At-Large, Dr. Katrin Kramer, a clinical pearls presentation by Dr. Neal Kravitz, AAOIC and AAO Advocacy team presentations, and roundtable discussions on various topics. The event was well-attended! In addition, CONYM helped denote lectures that would be most applicable to new and younger members to be flagged within

the annual session program and on the AAO's on-demand lecture site. CONYM will continue to work closely with the Committee on Conferences to ensure that the annual session continues to be a valuable experience for residents and new and younger members.

CONYM continues to play a pivotal role in representing the AAO at annual GORP and ASDA meetings. This year, our council chair, Dr. Kevin Kurtzner, and AAO staff liaison, Kathy Langerfield, attended the ASDA Annual Session in Denver, Colorado. Their presence was instrumental in promoting the AAO and the specialty in the exhibit hall. We are committed to making the AAO Annual Session more accessible and will be submitting a motion to the Board of Trustees to consider reducing the annual session registration fee for category C4, with the aim of opening up opportunities for prospective orthodontic residents.

Looking ahead, CONYM members will meet virtually throughout the year before the next in-person annual meeting in early 2025. Members are encouraged to reach out with any questions or suggestions! ■



COUNCIL ON ORTHODONTIC PRACTICE Dr. Madeleine Goodman

GENERAL: COOP is excited to announce the passing of our landmark Sustainability Resolution at this year's House of Delegates meeting in New Orleans. The MASO

leadership was integral to the success of this resolution, both by co-sponsoring it with COOP and lobbying for and speaking on behalf of it. We are so grateful for MASO's support! COOP's 2024 in-person meeting will be the weekend of September 13th. Below is a recap of our ongoing programs and some initiatives in the works.

OFFICE DESIGN SERIES: As a friendly reminder, the AAO is proud to have released its efforts on an entirely new approach to the AAO office design webpage. The professional contribution of orthodontic design and business field experts supports its infrastructure: <https://www2.aaoinfo.org/practice-management/office-design-for-the-orthodontist/>

AAO PRACTICE MANAGEMENT FORMS: To best serve the membership and their clients, informed consent forms on various topics are available on the AAO website. I am confident there is something there that you may not have considered for your practice – please take the time to visit. COOP welcomes all member recommendations to modernize AAO forms and share subject suggestions (or example consent forms used in your practice) that have perhaps not yet been broached by the AAO. Please note: a review of material or a new subject or modification does not confirm future use by the AAO. Needless to say, significant vetting and legal review are required; however, we thank you for any contribution to the membership.

AAO-SPONSORED WEBINARS: COOP embraces the coordination of topics for AAO webinars throughout the year. A new topic was recommended by COOP paving the path to a webinar addressing sensitive topics that clinicians face. The upcoming webinar schedule is as follows. Please visit the AAO website for a comprehensive listing.

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Date	Webinar Subject	Presenter(s) / Moderator	Category / Personas / Tags
Jan 14, 2025, 12-1pm CST	OSHA: Team-Up for Safety!	Jackie Dorst	All Team

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ORTHODONTIC STAFF CLUB (OSC): The Staff Club will be discontinued in anticipation of the upcoming AAO technology revamp. Stay tuned for updates on the new opportunities for staff engagement.

PRACTICE TRANSITION PORTAL: This committee will review, improve, and update the Practice Transition Portal as needed. Stay tuned for more updates!

SUSTAINABILITY SUBCOMMITTEE: We started a committee within COOP that will work on resources to help us limit our environmental impact as practitioners and as an organization. We have several exciting initiatives in the

works and hope to have some up and running by the end of 2024. Stay tuned!

COUNCIL TRANSITIONS: This summer, the COOP Council experienced the transition of two of its members, Dr. Renee Pompei and Dr. Robert Selden, from NESO and SAO.

I welcome you to reach out anytime with questions, comments, or suggestions I may share with the Council throughout the year. Thank you for your trust and support! ■



COUNCIL ON SCIENTIFIC AFFAIRS

Dr. Jose Bosio

During the AAO Annual Session, COSA members judged 28 William R. Proffit Resident Scholar Award presentations and 31 Table Clinic presentations. COSA members moderated 16 Oral Research presentations and the Hellman, Sicher, and Graber lectures. Two hundred and fortysix E-Posters were available for viewing during the Annual Session.

The 2024 William R. Proffit Resident Scholar Award winners are:



From left to right bottom row: COSA chair Jose Bosio; Mary Cruz Contreras Salas; Flavia Gomes Velasque Gama; Emelia Karkazis; Seung Ah Jung; Emily Leach; and Mohamed Adel.

In the category of **Basic Science Research**, the following doctors were ranked:

First place: Flavia Gomes Velasque Gama - University of Connecticut; Research title: *The Effects of FGF18 in a Mouse Model for TMJ Fibrocartilage Degradation*

Second place: Emelia Karkazis - University of Illinois-Chicago; Research title: *Bone Characterization in a Novel Dicer-Deficiency Osteocyte Transgenic Mouse Model*

Third place: Mary Cruz Contreras Salas - University of Pennsylvania; Research title: *Age-Dependent Osteogenic Potentials of Mesenchymal Stem Cells During the Maxillary Expansion*. This research was from our constituent society.

Clinical Research

First place: Mohamed Adel - University of Kentucky; Research title: *Precision Assessment of Facial Asymmetry Using 3D Facial Imaging and Artificial Intelligence*

Second place: Emily Leach - University of Nebraska; Research title: *Disposal of Orthodontic Clear Aligners: Out of Sight out of Mind?*

Third place: Seung Ah Jung - University of the Pacific; Research title: *Nasal Cavity Changes in Growing Patients Treated with MARPE: 3D Superimposition Study*

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Judges for the 2024 William R. Proffit Resident Scholar Award from left to right:



Bottom row: Eser Tufekci, Marilia Yatabe; Middle row: Burcu Bayirli, Sumit Yadav, Michael Duryea; Back row: Jose Bosio, Kelton Stewart, Thikriat Al-Jewair, Jeff Nickel, Helder Jacob

The 2024 Joseph E. Johnson Clinical Award for Table Clinics winners are:



From left to right: Christine Bode, Francesca Gazzani, Kenya Montes de Oca Suarez

First place: Francesca Gazzani – Unicamillus, International Medical University of Rome; Research title: *Effects of Maxillary Protraction Protocol with or without Bite Block on the Vertical Dimensions in Class III Subjects*

Second place: Christine Bode - University of North Carolina – Chapel Hill; Research title: *Evaluating Impacts of Orthognathic Surgery on Speech in Class III Dentofacial Disharmony*

Third place: Kenya Montes de Oca Suarez – National University of Mexico; Research title: *Autotransplantation of Transmigrated Canine: Case Report*

The 2024 Hellman, Sicher, Graber award winners received their award plaques prior to their lectures at Annual Session:



From left to right: COSA chair Jose Bosio, Graber award winner Erin Yoshida, Graber award winner Brittany Trinh, Hellman award winner Elizabeth Soulas, Graber award winner Erika Babikow, Graber award winner Katherine Chapman, Sicher award winner Sheng Wang

Applications are being accepted for the 2025 Milo Hellman Research Award, the Harry Sicher Research Award, and the Thomas M. Graber Awards of Special Merit. These awards can be found on the 2025 Annual Session website: <https://www2.aaoinfo.org/annual-session-2025/>. Only the online application will be accepted. The application deadline is 6:00 p.m. EDT on October 1, 2024.

COSA will accept online applications to present oral research, table clinics, and e-posters at the 2025 AAO Annual Session starting in the first week of August 2024. The application deadline is 6:00 p.m. EDT on October 15, 2024.

COSA will accept online applications for the William R. Proffit Resident Scholar Award presentations at the 2025 AAO Annual Session starting the first week of December 2024. The first forty residents who apply for the program will be accepted. The application deadline is 6:00 pm EST on February 3, 2025.

The 2024-2025 members of COSA are:

Dr. Jose Bosio, chair (MASO); Dr. Thikriat Al-Jewair (NESO); Dr. Burcu Bayirli (PCSO); Dr. Helder Jacob (SWSO); Dr. Denise Prugh (RMSO); Dr. Eser Tufekci (SAO); Dr. Sumit Yadav (MSO); Dr. Marilia Yatabe Ioshida (GLAO); Dr. Steven Marshall, Member at large; Dr. Jeffrey Nickel, Member at large; and Dr. Rolf Behrents (Trustee Liaison).

COSA's next meeting is on January 10, 2025, via Zoom. ■

AAO FOUNDATION

NEWSLETTER



New President of the AAO Foundation Board of Directors

Dr. Lili Horton (PCSO/HI) began her term as AAO Foundation Board President at the conclusion of the AAO Annual Session in New Orleans. Dr. James Klarsch (MSO/MO) is the new President-Elect.

New Constituent Directors for AAO Foundation Board

Dr. Normand Boucher will fill the MASO board vacancy left as Dr. Orhan Tuncay's term ended. **Dr. Neal Kravitz** will take on the role of the SAO Representative as Dr. Wanda Claro's term ended, and **Dr. J. Martin Palomo** will step in as the GLAO constituent director with the ending of Dr. Mark Berkman's term. These newly elected board members will attend their first meeting in July.



AAO Foundation National Vanguard Society Chair

Dr. Mark Berkman (GLAO) steps into his new role on the AAO Foundation Board as the National Vanguard Society Chair, working with residents and educating them on charitable giving through the AAO Foundation.



AAO Foundation Board Welcomes Two Resident Directors

Dr. Jenna Schneider (West Virginia University) is a graduate of the NYU College of Dentistry, where she earned her Doctorate of Dental Surgery. After **Dr. Yuna Park** (New York University) graduated from Emory in Atlanta, she earned a Master's in Biotechnology from Johns Hopkins University and a DDS and MPH from Columbia University.

Fred A. Garrett Resident Education Program



Residents to receive \$400 incentive from AAO Foundation

aofoundation.net

AAO HOUSE OF DELEGATES

Dr. Richard H. Albright, III



I want to thank the MASO Delegates and Alternate Delegates to the AAO House of Delegates (HOD) for a successful meeting in New Orleans. Thank you, **Dr. Doug Harte,**

Dr. Richard Isaacson, Dr. Sana Augustus, Dr. Kathy Marshall, Dr. Jean McGill, Dr. Lara Minahan, Dr. Jacob Orozco, Dr. Alireza Rajaei, and **Dr. Tarun Saini.**

The House of Delegates meetings were held during the AAO Annual Session in New Orleans, and the MASO representatives worked tirelessly to represent our diverse MASO membership. As the AAO's governing body, the HOD and its members take great pride in the AAO's current success as a member-driven organization. All resolutions considered and the Final Action Charts for the 2024 HOD can be found on the AAO member website. The highlights are summarized below.

The AAO voted to prioritize sustainability and pollution reduction in the orthodontic office and evaluate the feasibility of establishing recycling partnerships by adopting a resolution (33-24 RC-Sustainability). This is the first resolution on sustainability to be adopted by the AAO HOD. The MASO representative on the Council of Orthodontic Practice, **Dr. Madeleine Goodman**, spearheaded the initiative to provide our members with sustainability resources, such as plastic and aligner recycling and waste reduction. With the support of MASO leaders, Dr. Goodman and COOP created the framework for this important resolution.

The HOD continued funding and supporting the Fulltime Faculty Teaching Fellowship Awards by adopting resolution (30 -24 COE). It also voted to establish the AAO Full Time Teaching Fellowship Award Fund by adopting resolution (31-24 COE (S2-BOT) (S3-SAO)). Both resolutions continue funding the Award program and establish a framework for continuing this important AAO program in the future.

The HOD supported the AAO Tech Transformation Initiative through the adoption of (28-24 BOT). This initiative will update the AAO technology and website, enhancing member resources and engagement with the AAO in the future.

The HOD voted to establish a Task force to study the impact of the proposed merger of the SAO and the SWSO. This task force will evaluate how to assimilate the new constituent under the AAO Bylaws about selecting trustees, councils and committee members. (26-24 GLAO (S1-SAO)).

The AAO will establish a trial membership for orthodontists who have not been AAO members. (14-24 COMEJC (S1-NESO) (S2-NESO)). This new program aims to give non-member orthodontists an opportunity to experience the many benefits of AAO membership, leading to increased membership.

These are some of the Highlights from the 2024 House of Delegates. The yearly HOD takes place at the annual session, and all members are encouraged to participate by commenting online, attending a live session, and sharing their opinions with the MASO leadership. The MASO delegates look forward to hearing from you as you represent the MASO membership and promote the specialty of orthodontics at the American Association of Orthodontists. ■



The MASO Delegation at the AAO House of Delegates meeting in New Orleans.



AAO PAC UPDATE

Dr. Doug Harte

I want to recap some of the many wonderful accomplishments this year.

First, let's review the 2024 Professional Advocacy Conference.

We had an incredible 2024 Professional Advocacy Conference at the Hamilton Hotel and on Capitol Hill in Washington, D.C., February 27-28. During the annual AAOPAC Reception on Tuesday night, AAO members were joined by 15 U.S. senators from both sides of the aisle. They met with their constituents and connected informally with AAO members and residents attending the conference.

We are thrilled to have recognized the inaugural inductees of the AAOPAC Hall of Fame, including two of our NAN volunteer leaders: Dr. Dennis Sommers (ND), and Dr. Dean Jensen (TX). AAO's immediate past president, Dr. Norman Nagel (CA), was honored as part of the inaugural class. We are so thankful for their contributions and inspiring leadership in supporting AAOPAC and their service to the AAO over the years.

On Wednesday, 120 AAO members attended over 60 meetings with Congressional offices on Capitol Hill where AAO federal policy priorities were discussed and advanced, including the need for an in-person visit to precede mail-order orthodontic treatment models, solutions to ease the burden of student loan debt (REDI Act), and the increase of FSA limits.

The programming included two panels that featured our NAN leadership. The 2024 Residents' Panel, led by CONYM representative to AAOPAC and COGA, Dr. Michelle Skelton, featured orthodontic residents Dr. Jenna Schneider (NAN), Dr. Matthew Evers (NAN), Dr. Justina Anigbo, and Dr. Gregory Pavlos as they discussed the future of the practice of orthodontics and the value of advocacy, starting with resident programs. Participants also learned about the value of the NAN, why it is important to get involved, and how 5 NAN members contribute to AAOPAC and AAO Advocacy success in their respective states.

State Sessions

We are playing offense and leading the charge with vital patient health and safety legislation currently active in Florida and Illinois. Additionally, we are engaged with legislation in Kansas, Pennsylvania, and Georgia, working on regulations in Michigan, Maryland, and North Dakota. We continue working on policy in Canada with the Ontario Association of Orthodontists and our CAL and CAL team there. We will actively continue to monitor both countries for additional

states and provinces where we can advance AAO member policy priorities.

We have grown so much as a leadership team within the National Advocacy Network since June 1, 2023. Some of our accomplishments include:

In this first year:

- The AAO's newly created National Advocacy Network (NAN) has become a **national award winner**, receiving the American Society of Association Executives (ASAE) Power of Associations 2023 Silver Award in its inaugural year.
- Noteworthy State & Provincial Achievements:
 - **Florida:**
 - **Student Loan Dental Repayment Program:** For the first time ever, in 2023, Governor Ron DeSantis signed into law \$2 million in recurring funds for the Student Loan Dental Repayment program (orthodontists are eligible). Due to continued lobbying and Grassroots engagement, in April 2024, this was increased to \$8 million in recurring funds—and this was in large part due to our Florida NAN team's hard work.
 - **HB 855:** HB 855, our telehealth bill containing model teledentistry language, was signed into law by Governor Ron DeSantis on Thursday, May 29th. This is due in such large part to NAN and state leadership, grassroots—and grassstops—that we cannot just celebrate this milestone, but we will also pivot to use it as an outstanding example for policy work in other states.
 - **Illinois:** teledentistry legislation, SB 2586, has made considerable positive movement through the state legislature. It includes an in-person examination requirement before providing teledentistry services, ensures a patient knows how to contact their treating dentist/orthodontist, and guarantees patient rights to file complaints. **IL CAL, Dr. Ben Youel**, was predominant in the advancement of this policy through the state of Illinois. The legislature has until June 24th to send the bill to Governor Pritzker. He will then have 60 days to sign the bill, veto it, or take no action and have it become law.
 - **Massachusetts:** The AAO submitted comments and recommendations to the Massachusetts Division of Insurance regarding draft regulations supporting comments and modifications proposed by the Committee on Dental Insurance Quality (CDIQ) relating to regulations for implementing the Dental Loss Ratio law. Thanks are due to **CAL Dr. Andrew Chase for his role in this grassroots advocacy.**
 - **Michigan:** AAO & MAO, with strong support from MI **CAL Dr. John Monticello**, worked with AAO

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staff to submit a letter of support to the Michigan Board of Dentistry urging it to maintain its current specialty advertising rules and to require an in-person exam before orthodontic treatment.

- Ontario: AAO Member working group, including inaugural NAN **Dr. Mariela Anderson**, Component Advocacy Liaison for Ontario, advocated to amend the Dentistry Act of Ontario to address challenges and consider solutions through the Royal College of Dental Surgeons of Ontario (RCDSO).
- Landmark Nevada legislation (AB 147) was signed into law by Governor Lombardo. This law requires an “in-person visit” before orthodontic treatment.
- Closing out the year strong: 19 AAOPAC Captains, 21 Component Advocacy Liaisons (CALs), 14 CAL Team

members across the US, and 3 CALs and 1 CAL Team member in Canada have been confirmed.

- And this is only this year.

Regarding AAOPAC, I am pleased to announce that we hit our overall fiscal year goal for contributions. I must stress the importance of having a consistent healthy PAC that maintains a consistent dollar amount. We have had a 10% increase in contributions from last year, and I want to thank all those who personally supported the PAC. What we need to accomplish takes money as well as our ground support. Please consider making a small donation to make a huge difference to OUR PROFESSION. The only ones who will look after you and truly support you are members of our AAO society. ■



ABO CONSTITUENCY REPORT Dr. Roberto Hernandez-Orsini

The ABO is committed to upholding our mission to elevate the quality of orthodontic care for the public by promoting excellence through certification, education, and professional collaboration.

ABO Yearly Update

The ABO is proud to announce that 63% of AAO orthodontists are now board certified.

Written Examination Update:

- The 2024 ABO Written Examination was administered to 443 examinees on April 2 at Pearson Vue Testing Centers in the United States and Canada. The examination had a 99% pass rate.

The next Written Examination is scheduled for April 9, 2025, and online registration will open on November 6, 2024. Applicants must have graduated or be currently enrolled in an advanced specialty education program in orthodontics and dentofacial orthopedics in the United States or Canada, accredited by CODA. Orthodontic residents must have completed 18 months of their program by the Written Examination date to be eligible to take the exam.

Scenario-based Clinical Examination Update:

- The ABO February 2024 Scenario-based Clinical Examination was conducted February 22-23 at Pearson-Vue Testing Centers Worldwide. A total of 329 orthodontists were certified during the 1st and 2nd Quarters of 2024, including the February examination, which had an 89% pass rate. In addition, 21 orthodontists completed their 10-year certification renewal requirements. Please visit the [ABO website](#) for a complete listing of names by constituency for this time period.

The next Clinical Examination is scheduled for September 17, 2024, at Pearson-Vue Testing Centers. Online registration is available through June 20, 2024 (or until all available slots are filled).

Beginning in 2025, the ABO will transition to offering one Scenario-based Clinical Examination per year, to be held in the fall. The scheduled date for the 2025 examination is September 17. Online registration is scheduled to open on September 18, 2024.

An orthodontist must first successfully complete the ABO Written Examination before taking the Scenario-based Clinical Examination. Preparation materials for the examination, including study guides and sample cases, along with how to register, are located on the [ABO website](#).

Certification Renewal Examination:

- Certification Renewal is required every ten years to maintain an active board certification status. It may be started no earlier than 36 months before the expiration date printed on the individual’s certificate. For individuals whose board certification is set to expire within the next three years, communications are distributed throughout the year as a reminder to recertify. There are two options to complete the examination, which include one online Board Case Examination or a Mail-In Case Report Examination, both of which also require the completion of continuing education credits from online AJODO examinations. Please visit the [ABO website](#) for materials to help you prepare for the examination. Please keep your professional information and e-mails updated in our ABO office for proper communication.

Please get in touch with the following ABO staff members should you have questions on any of the ABO examinations:

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Written Examination Certification Coordinator | Nicole Huson
Nicole@AmericanBoardOrtho.com

Clinical Examination Coordinator | Kim Koch
Kim@AmericanBoardOrtho.com

Educational Update:

- The ABO Pathway Program continues to evolve, with 16 Ambassadors selected, representing all eight constituencies. These individuals have received training from ABO Directors and staff during the 2024 AAO Annual Session. This new program replaces the former ABO Advocacy Program. It will consist of in-person (or virtual) presentations by ABO Ambassadors as requested by orthodontic programs to discuss the pathway to board certification and the value it contains both personally and professionally. The program's soft launch is scheduled for June 2024. We will invite all Program Directors to register and request a visit from one of our ambassadors as soon as the schedule is ready for this purpose.
- The AAO recently put out a call for nominees for an upcoming national volunteer position on the CODA Review Committee on Orthodontics and Dentofacial Orthopedics Education to fill the role of the AAO/ABO joint representative.
- The ABO Executive Committee attended the AAO Winter Meeting in San Antonio, TX.
- The incoming ABO Executive Committee, along with Carole Newport, CEO, attended the February 2024 ASAE CEO Meeting in San Diego, CA. The meeting provided opportunities to brainstorm future strategic goals and objectives. The ASAE CEO Meeting is open to participation by any Company Executive Committee members who want to participate.
- ABO Directors participated in the 2024 CDABO March Meeting in Savannah, GA.
- The ABO is focusing on 2024 marketing efforts to include the development of a professional photo library for use on the [ABO website](#), social media campaigns, and communications.
- The ABO has added an "Across the Board" blog on our website. Timely updates and important news will now be shared via this communication method.
- Board Certified Orthodontists have access to valuable tools and resources located on their ABO personal dashboards in communicating their board certification achievement. Customizable brochures, videos, patient/team materials, window clings, sample website copy, Brand Standards Guide, and ABO seal and logo designs are just a few of the items available.
- Please follow the ABO on social media for news and updates: <https://www.facebook.com/americanboardoforthodontics> <https://www.instagram.com/americanboardorthodontics>.
- **2024-2025 ABO Directors:**
 The ABO Directors for the 2024-2025 year are as follows:
 - o Dr. Jae Hyun Park - President, representing the Pacific Coast Society of Orthodontists
 - o **Dr. Roberto Hernandez-Orsini** - President-Elect, representing the Middle Atlantic Society of Orthodontists

- o Dr. P. Emile Rossouw - Secretary-Treasurer, representing the Northeastern Society of Orthodontists
- o Dr. Anthony Puntillo - Director, representing the Great Lakes Association of Orthodontists
- o Dr. Daniel J. Rejman - Director, representing the Rocky Mountain Society of Orthodontists
- o Dr. Meenakshi Vishwanath - Director, representing the Midwestern Society of Orthodontists
- o Dr. Timothy Trulove - Immediate Past President, representing the Southern Association of Orthodontists

The AAO House of Delegates confirmed Dr. Onur Kadioglu as the new Director representing the Southwestern Society of Orthodontists. In addition, the AAO House of Delegates confirmed Dr. Timothy Tremont as the new Director representing the Southern Association of Orthodontists.

ABO at the 2024 AAO Annual Session

- The ABO was pleased to recognize the 2024 award recipients during the ABO 2024 Awards Night in New Orleans, LA. Congratulations to the following individuals:
 - o Dr. Peter M. Greco - Albert H. Ketcham Memorial Award
 - o Dr. Allen H. Moffitt - Dale B. Wade Award of Excellence in Orthodontics
 - o Dr. Eladio DeLeon, Jr. - Earl E. and Wilma S. Shepard Distinguished Service Award
 - o Dr. Leslie A. Will - O.B. Vaughan Special Recognition Award
- The award recipients for 2025 were announced to include the following individuals who will be recognized during next year's 2025 AAO Annual Session in Philadelphia, PA. Congratulations!
 - o Dr. David Sarver – Albert H. Ketcham Memorial Award
 - o Dr. Scott Jamieson and Dr. Larry Tadlock - Dale B. Wade Award of Excellence in Orthodontics
 - o Mrs. Melissa Brydels - Earl E. and Wilma S. Shepard Distinguished Service Award
 - o Dr. Jim Henderson - O.B. Vaughan Special Recognition Award
- The ABO hosted the following events during the 2024 AAO Annual Session in New Orleans, LA:
 - o ABO Ambassador Training took place in preparation for the launch of The ABO Pathway Program.
 - o The ABO Booth was located inside the Exhibit Hall within the AAO Pavilion. ABO Directors and staff were available to answer questions, promote board certification, and receive feedback. Newly Board-Certified orthodontists were invited to stop in to celebrate their achievements and receive a special gift.
 - o The ABO attended the New and Younger Member Conference and manned a booth to provide information on board certification to attendees.
 - o Several ABO Directors were speakers on various topics during the AAO 2024 session.
 - o ABO Appreciation Breakfast was held to thank ABO Emeriti, current year ABO Examiners, and ABO Ambassadors for their continued support and dedication to board certification. ■



NOMINATING COMMITTEE REPORT

Dr. Madeleine Goodman

Slate was presented to the Board by the Nominating Committee Chair, **Dr. Maddy Goodman**, during the MASO Board Meeting Conference Call June 12, 2024.

The slate will be approved by the membership during the Annual Session MASO Member/Business Meeting Saturday, October 19, 2024.

The Nominating Committee consists of eight (8) members: The Immediate Past President, the prior immediate past president, and six members, one from each MASO component. The President of each MASO component, or a designee, is given preference for this position. The senior Past President is Chairperson of the Committee. Each is to serve for one year.

Nominating Committee Members for 2024-25

1. Dr. Maddy Goodman, Prior (senior) Immediate Past President, Chair
2. Dr. Dave Harmon, Immediate Past President
3. Dr. Jean Asmar, representing DC
4. Dr. Monica Schneider, President MD
5. Dr. Mark Fiss, President DE
6. Dr. Shalin Shah, President NJ
7. Dr. Brunilda Ortiz-Giuliani, President PR
8. Dr. Brittany Franklin, President-elect PA

Elections are held at the Annual Session during the General Membership meeting. (Term year: Annual Session to Annual Session) Directors, in general, will serve for a total of six years (two three-year terms) before becoming eligible for the position of President-Elect. Under special circumstances, a Director/Officer may continue on the Board for one additional year to maintain the order of succession.

EXECUTIVE COMMITTEE

	<u>Term:</u>
PRESIDENT: Dr. Sana Augustus (DC)	2024-25
PRESIDENT ELECT: Dr. Paul Batistini (NJ)	2024-25
	NOMINATE
SECRETARY: <i>To be Nominated by the Board</i>	2024-26
TREASURER: Dr. Lynette Garcia (PR)	2024-25
IMMEDIATE PAST PRESIDENT: Dr. Alireza Omid Rajaei (MD) ...	2024-25
TRUSTEE: Dr. Lawrence Wang (MD)	2024-26

DIRECTORS

As a result of the newly adopted Bylaws, Directors now serve two three-year terms:

	<u>Term:</u>
1. Dr. Tejy Thomas (PA)	2023-26
<i>Will be starting the 2nd year of his second 3-year term</i>	
2. Dr. Brienne Flagg (DE)	2024-27
<i>Will be starting the 1st year of her second 3-year term</i>	
3. Dr. Mark McDonough (NJ)	2022-25
<i>Will be starting the 3rd year of her first 3-year term</i>	
4. Dr. Jose Bosio (MD)	2023-26
<i>Will be starting the 2nd year of her first 3-year term</i>	
5. Dr. Carmen Doumit (PA)	2023-26
	NOMINATE

DELEGATES (6)

Six (6) delegates are elected to the AAO for a two-year term; no more than three (3) consecutive terms may be served; past delegates are required to wait one (1) year before being re-nominated.

1. Dr. Kathy Marshall (DC)	2023-25
<i>Dr. Marshall is completing her 1st year of her 3rd two-year term.</i>	
2. Dr. Richard Isaacson (NJ)	2024-26
<i>Dr. Isaacson is completing his 2nd year of his 2nd two-year term.</i>	
	RE-NOMINATE
3. Dr. Ty Saini (MD)	2024-26
<i>Dr. Saini is completing his 1st year of his 2nd two-year term.</i>	
	RE-NOMINATE
4. Dr. Jean McGill (PA)	2024-26
<i>Dr. McGill is completing her 2nd year of her 1st two-year term.</i>	
	RE-NOMINATE
5. Dr. Lara Minahan (MD)	2024-26
	NOMINATE
6. Dr. Jean Asmar (DC)	2024-26
	NOMINATE

ALTERNATE DELEGATES (4)

Alternate delegates are elected to serve a one-year term; no more than two consecutive terms may be served before an individual is either elected as a Delegate or removed from the delegation. The MASO President will serve as the First Alternate and the MASO President-Elect as Second Alternate.

1. Dr. Sana Augustus (DC)) (<i>As required by MASO MOP</i>)	2024-25
<i>(MASO President)</i>	
2. Dr. Paul Batistini (NJ) (<i>As required by MASO MOP</i>)	2024-25
<i>(MASO President Elect)</i>	
3. Dr. Edmund Khoo (NJ)	2024-25
	NOMINATE

MASO COMMITTEES

I. **Communications/Publications**

Consists of the MASO Editor and four (3) at-large members elected for a 3-year term.

1. Dr. Normand Boucher (PA) Chair/Editor	2022-25
2. Dr. Lillian Height (MD)	2022-25
3. Dr. Anh Dao (MD)	2023-26
4. Dr. Billy Buckbinder (NJ)	2024-27
	NOMINEE

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NOMINATING COMMITTEE REPORT

CONTINUED FROM PAGE 36

II. Education/Research (Should be a full- or part-time educator)

Consists of three (3) members elected for a 3-year term.

1. Dr. Lobat Zainali (DC)2022-25
2. Dr. Brunilda Ortiz-Giuliani (PR)2023-26
2. Dr. Anil Ardeshna (NJ)2024-27

NOMINEE

III. Government Affairs

Consists of six (6) members, two to be elected each year, for a 3-year term.

NOTE: Chair to be elected by the Nominating Committee

1. Dr. Jennifer Morrison (NJ)2023-26
2. Dr. Andrew Pedersen (PA)2022-25
3. Dr. Elise Tigani Endres (DC)2023-26

4. Dr. Briana McRae (MD)2023-26
5. Dr. Mark Fiss (DE)2024-27

NOMINEE

6. Dr. David Harmon (MD) 2024-27

NOMINEE

IV. Member Services: Membership/Ethics/Practice Transition

Consists of five (5) members elected to a 5-year term

1. Dr. Courtney Rubin (PA) 516-428-5173, **Chair**2020-25
2. Ambar Mier Lopez (PR)2021-26
3. Dr. Natalie Miller (MD)2022-27
4. Dr. Catherine Campbell Worthington (MD)2022-27
5. Dr. Anthony Suriano (NJ)2023-28



GOVERNMENT AFFAIRS COMMITTEE REPORT

Dr. Padma Mukherjee, Chair

Hello Dear Friends! Hope your start to the fall season has been wonderful!

The 2024 AAO Advocacy meeting, held in Washington, D.C., on February 27-28, 2024, was a resounding success. We had an outstanding representation of members, with local and national representatives, including practitioners, educators, and residents, visiting Capitol Hill to address legislative concerns crucial for our profession and our patients. We made significant strides in key initiatives such as Student Loan reforms, DTC concerns, The RAISE ACT, Workforce staff shortage, protecting flexible spending accounts, and supporting small businesses. Your efforts have made us all proud.

The MASO Governmental Affairs Committee (COGA) comprises six (6) members, one from each component society. At each Annual Session, two (2) members are elected for three (3) years. The Government Affairs Committee members are as follows: MASO members should be active in their state's efforts and consider contacting their state legislators. The following are the current members of COGA, whose dedicated efforts we greatly appreciate: **Dr. Padma Mukherjee (Chair), Dr. Jennifer Morrison, Dr. Elise Tigani Endres, Dr. Andrew Pedersen, Dr. Daneil Diaz Rubavo and Dr. Briana McRae.**

It has been an honor to serve as committee chair, and I encourage you to contact any of our members with questions, concerns, or feedback. I am thrilled to announce the upcoming 2024 GLAO-MASO meeting in St Thomas US Virgin Islands. This is a significant event, and I look forward to seeing you there, ready to contribute to our shared goals. Your participation in this event is crucial and will greatly contribute to the success of our association. ■



TREASURER'S REPORT

Dr. Lynette Garcia

On Sunday, May 5, during the AAO Annual Session in New Orleans, MASO members Dr. Rajaei, Dr. Batastini, Dr. Bosio, Jane Treiber, and I met with Fiducient Advisor Ahmed Farruk.

Ahmed reviewed 2022 and 2023 market activity before reviewing the MASO portfolio for 2024. 2024 may be a good year, but there is a lot of volatility with the Ukraine and Middle East conflicts and the elections in November 2024. The first quarter was great for stocks but not for bonds. MASO started its portfolio with Fiducient in 2021, and since 2022, there has been a \$69,000 gain. In the last 12 months, the portfolio

has been up 16%. April 2024, it was down 1.5%, but May was already looking good. The MASO strategy is moderately aggressive, with 70% stocks and 30% bonds.

As of May 31, MASO's assets stood at \$71,993, with the Schwab account showing a substantial increase to \$677,574. Other current assets amounted to \$464, bringing our total assets to \$750,032, a significant rise from \$702,788 last year. While our fund balance for the current year is down by \$44,160 compared to last year, it's important to note that this is a smaller decrease than the previous year's \$56,944.

Attached is the May 2024 income statement for your reference. Should you have any questions, please don't hesitate to reach out. ■

MASO BUSINESS



TREASURER'S REPORT

Dr. Lynette Garcia

MASO INCOME STATEMENT For the Month Ending May 31, 2024

	Current Month	Year-to-Date	Annual Budget	Percent	Last Year
INCOME					
Dues-Active / Reinstatement	\$ 4,804.94	\$ 6,478.13	\$ 160,000.00	4.05	4,901.80
Newsletter Advertising	0.00	0.00	1,900.00	0.00	0.00
MEETINGS					
CE COURSE	0.00	0.00	37,105.00	0.00	0.00
CE Registration	0.00	29,130.00	0.00	0.00	37,285.00
NET ANNUAL CONVENTION	0.00	(7,147.95)	30,000.00	(23.83)	(1,297.02)
OTHER INCOME					
Interest Income	14.04	125.75	100.00	125.75	71.66
Dividends	649.60	4,067.69	8,000.00	50.85	3,416.69
Miscellaneous Income	2,000.00	2,000.00	0.00	0.00	0.00
TOTAL INCOME	<u>7,468.58</u>	<u>34,653.62</u>	<u>237,105.00</u>	<u>14.62</u>	<u>44,378.13</u>
EXPENSES					
OPERATING EXPENSES					
AAO Dues BillingFee	164.67	216.29	2,900.00	7.46	222.08
President Honorarium	0.00	0.00	,000.00	0.00	0.00
President Component Visits	0.00	0.00	1,500.00	0.00	0.00
AS Board Stipend (\$400 ea)	0.00	0.00	4,000.00	0.00	0.00
Management Fee	7,482.25	44,893.50	89,787.00	50.00	43,585.98
Office Supplies, Checks	114.92	690.49	1,400.00	49.32	547.36
Accounting	55.00	275.00	660.00	41.67	275.00
Subscriptns-formstack/cons cont	0.00	0.00	1,100.00	0.00	159.64
Stationary & Envelopes	0.00	0.00	100.00	0.00	0.00
Copying	0.00	150.32	400.00	37.58	81.96
Postage/Mailing House	5.05	22.73	200.00	11.37	1,181.71
Telephone/Fax	69.04	344.46	1,200.00	28.71	359.89
Office/File Storage	10.00	50.00	120.00	41.67	50.00
Journal Editor - Honorarium	0.00	0.00	1,000.00	0.00	0.00
AS Scholarships	0.00	0.00	31,200.00	0.00	0.00
Gifts and Awards	843.88	843.88	3,500.00	24.11	1,505.49
Website Development	0.00	44.99	600.00	7.50	42.99
Journal Publication/Mailing	0.00	11,210.34	6,000.00	186.84	9,659.02
BOD - Travel Del-Mar Caucus	0.00	3,989.50	3,500.00	113.99	3,528.96
BOD - Meals/Room/AV - Del M	0.00	6,489.48	6,500.00	99.84	6,665.16
BOD-AnnlSession Bus Mtg (Sep)	0.00	0.00	200.00	0.00	0.00
BOD- AS Bd Mtgs (Sep)	0.00	0.00	1,800.00	0.00	0.00
Strategic Planning Initiatives	0.00	0.00	2,000.00	0.00	31.78
Website-maint, network solutns	0.00	525.00	0.00	0.00	525.00
CE COURSE					
CE Course	0.00	0.00	27,050.00	0.00	.00
Audiovisual/Equipment	0.00	3,194.72	0.00	0.00	5,698.88
Meals/Breaks	0.00	9,682.56	0.00	0.00	21,968.52
CE - Postage/Mailing House	0.00	706.91	0.00	0.00	598.89
CE - Printing	0.00	1,441.95	0.00	0.00	1,069.02
Speaker Expense	0.00	6,481.80	0.00	0.00	2,990.64
Staff/Board Expense	253.23	2,596.00	0.00	0.00	1,358.23
CE Board Dinner	0.00	0.00	3,000.00	0.00	3,810.58
Hotel/Facilty Rental	0.00	1,230.00	0.00	0.00	0.00
NATIONAL ANNUAL MEETING					
Leadership/Gov Affairs Conf/EL	0.00	71.22	0.00	0.00	0.00
AAO-Del(7) Alt (3)Room & Mis	5,020.50	5,020.50	12,500.00	40.16	5,896.75
AAO-Delegates And Alt Airfare	1,705.44	1,705.44	2,500.00	68.22	1,427.81
AAO-Exc Dir Attendance	2,237.58	2,971.78	2,300.00	129.21	2,361.51
AAO - Travel Expense	0.00	898.93	0.00	0.00	0.00
AAO Miscellaneous	0.00	53.37	0.00	0.00	0.00
Committee Expense	125.00	625.00	1,500.00	41.67	625.00
GORP Program	1,000.00	1,000.00	6,750.00	14.81	1,000.00
OTHER EXPENSES					
Credit Card Fee	0.00	600.03	1,200.00	50.00	1,251.24
Investment fees	225.66	442.49	1,500.00	29.50	692.20
Bank Service Charges	10.00	50.00	150.00	33.33	50.00
Miscellaneous	0.00	0.00	100.00	0.00	28.80
Liability Insurance	0.00	0.00	1,200.00	0.00	0.00
Audit Expense	0.00	0.00	7,400.00	0.00	0.00
Tax Filing	1,300.00	1,300.00	1,200.00	108.33	1,430.00
TOTAL EXPENSES	<u>20,622.22</u>	<u>109,818.68</u>	<u>229,017.00</u>	<u>47.95</u>	<u>120,680.09</u>
NET OPERATING INCOME	<u>(13,153.64)</u>	<u>(75,165.06)</u>	<u>8,088.00</u>	<u>(929.34)</u>	<u>(76,301.96)</u>
Unrealized gain/loss	<u>25,132.09</u>	<u>30,999.48</u>	<u>0.00</u>	<u>0.00</u>	<u>19,357.70</u>
NET INCOME	<u>\$ 11,978.45</u>	<u>\$ (44,165.58)</u>	<u>\$ 8,088.00</u>	<u>(546.06)</u>	<u>(56,944.26)</u>



Delaware State Dental Society Dr. Mark R. Fiss

Greetings from the First State! This year, the Delaware State Society of Orthodontics (DSSO) hosted the 2024 Spring CE Program at the Hotel DuPont in March. It featured Dr. Joseph G. Gharfari, DMD, and his excellent lecture entitled “From

Brackets to Complementary Intelligence: The Contemporary Pathway for Orthodontists.” We are grateful to have hosted the well-attended event and enjoyed MASO’s presence in the First State. We give special thanks to **Jane Treiber, Isabel Summers**, and everyone else for all their effort in ensuring a

successful meeting. Seeing so many friends, learning a lot, and having great discussions was great.

Over the past year, the DSSO has continued to address the concerns of our constituents, such as the difficulty in fulfilling staff positions in private practice, reviewing and revising the coverage agreement, and discussing the current issues affecting the specialty of orthodontics in the state of Delaware.

We are thrilled to announce the upcoming Joint GLAO/MASO Annual Session in the U.S. Virgin Islands this October. This promises to be a unique opportunity for us to come together, share our knowledge and experiences, and strengthen our professional network. We eagerly look forward to seeing everyone there. ■



District of Columbia Society of Orthodontists Dr. Jean Edouard Asmar

The DC component was very well represented at the AAO’s Annual Session in New Orleans. It was wonderful to meet so many friends and colleagues. As usual, our next in-person meeting will be at a luncheon scheduled at our MASO annual session meeting at the Frenchman’s Reef, St. Thomas, USVI.

Thank you, District of Columbia Society of Orthodontists. ■





Maryland Society of Orthodontists Dr. Monica Schneider

The Maryland State Society of Orthodontists (MSSO) hosted two exceptional speakers for our spring 2024 virtual seminars on March 28 and April 25. Our first speaker, Dr. Viney Saini, presented a lecture, “Management of Congenitally Missing Bicuspids.” The

second speaker was **Dr. Neal Kravitz**, who presented “NEW Clinical Pearls for your Practice!”.

The current board members are **Dr. Monica Schneider**, President; **Dr. Natalie Miller**, Vice President; **Dr. Ariana Feizi**, secretary-treasurer; and our newly appointed director, **Dr. Omar Elnabawi**.

Fall seminars for 2024 are being planned for October with timely and informative topics for our members. ■



New Jersey Association of Orthodontists Dr. Shalin R. Shah

Hello from New Jersey! The New Jersey Association of Orthodontists (NJAO) is grateful to the Middle Atlantic Society of Orthodontists and all who compromise the MASO organization.

This past April 2024, the NJAO transitioned into its new Board. The NJAO and its current Board share their deepest appreciation to the outgoing President, **Dr. Michael Perillo**, who led the organization with grace and advanced the NJAO’s vision for the betterment of orthodontics and the communities we serve.

The new NJAO Board members are included below:

- Dr. Shalin Shah** – President
- Dr. Cassandra Kahn** – Vice President
- Dr. Khushali Shah** – Treasurer

The NJAO held its general members meeting in conjunction with a full-day continuing education course. Dr. Bart

Iwasiuk and Ms. Debbie Khedoo presented on “Mastering the Digital Workflow for Ortho Offices” in Woodbridge, NJ. The NJAO is preparing an exceptionally engaging and robust 2024-2025 continuing education series with a full-day program this Fall followed by three abbreviated online sessions in early 2025. In the Spring of 2025, the NJAO will welcome Dr. Dan Bills for a full day program that will include orthodontists and their teams.

Dr. Sal Carcara, our Continuing Education Chair, and the executive board continue to bring the best and brightest speakers!

One of our newest executive board members, Dr. Khushali Shah, will represent the NJAO at the upcoming AAO Leadership Conference in January 2024. The conference begins the day before the AAO Winter Conference in San Antonino, TX. We are looking forward to her insight and input after attending the AAO Leadership Conference, which will provide the executive board with great new ways to reach out to our New Jersey members.

We will keep you updated with our upcoming continuing education schedule and topics and any exciting new changes to our organization. ■



Pennsylvania Association of Orthodontists Dr. Marian S. Wolford

The annual Board meeting of the Pennsylvania Association of Orthodontists was held on April 13, 2024 at the Wyndham Hotel on the University of Pittsburgh campus in conjunction with a continuing education course on April 12. Dr. Mary Burns of New Hope, PA, presented a lecture entitled “Joining the Traditional with the Future: Fusion of

Traditional Philosophy Diagnosis, Treatment Planning and Mechanotherapy with Contemporary Digital Orthodontics.” Mr. Paul Gange Jr. of Reliance Orthodontic Products, Inc. presented a lecture entitled “Chairside Direction of Digitally Guided Ortho,” which focused on efficiency and technique. Over 40 attendees joined us for a day of learning followed by a complimentary happy hour.

At the annual business meeting, the Board’s service was acknowledged, and the Presidential plaque was presented

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COMPONENT NEWS

to **Dr. Jake Orozco**. The next Board meeting is scheduled for November 15-17 at the Omni Bedford Springs Hotel. The 2025 Board meeting will be held in conjunction with the AAO Annual Meeting scheduled for April in Philadelphia.

The Board will continue to focus on opportunities to engage members at regional and national meetings, as well as to offer Lunch-and-Learns at the Pennsylvania orthodontic residency programs. The PAO is also seeking members who are interested in getting involved with AAO advocacy efforts. Please don't hesitate to reach out if you would like more information on the AAO's National Advocacy Network (NAN).

We look forward to seeing everyone at the joint GLAO/MASO meeting in St. Thomas in October.

PAO Officers for 2024-2025:

President: Dr. Marian Wolford
President-Elect: Dr. Brittany Franklin
Vice-President: Dr. Dan Fishel
Secretary: Dr. Ryan Tamburrino
Treasurer: Dr. Ann O'Day
Executive Director: Dr. Tom Howley
Immediate Past President: Dr. Jacon Orozco ■



Puerto Rico Society of Orthodontists Dr. Bruni Ortiz-Giuliani

Greetings from Puerto Rico!

It's already a tradition to commemorate our friendship at a social gathering called SEOValentin. The latter is usually celebrated over Valentine's Day in February. This year, we had a blast at my beach house, Casa Lole, in Dorado City. Almost 70 people attended the party, where we had paella, great music, and an amazing ambiance. Since Puerto Rican weather is unpredictable, we enjoyed great views of the Atlantic Ocean with rain, rainbows, and a beautiful full moon.

As part of our Spring Semester CE course, American Orthodontics sponsored a lecture by Dr. Brandon Comella

on the topic of "Creating Arch Space, using Non-Extraction Mechanics with Practice Building Ideals that reduce total treatment time and with Excellent Treatment Outcomes". This insightful session was attended by about forty of our members, including the residents of the University of Puerto Rico, who gained valuable knowledge from Dr. Comella's before and after, recommendations, and efficiency techniques.

We are planning our biennial meeting next semester in Hotel El Conquistador in Fajardo, on the east side of our enchanted island. The hotel has a private island, waterpark, golf course, and amazing views. The meeting will be held from November 8-10, 2024, Veterans' Day weekend. We intend to have CE courses, officiate our annual assembly, and celebrate with our dear colleagues.

I look forward to seeing everyone in St. Thomas. ■

GRADUATE PROGRAM REPORTS



ALBERT EINSTEIN MEDICAL CENTER Dr. Vanessa Morenzi

Resident Activities

This is one of our favorite 'quirky' off-years from taking a new PGY1 class here at Einstein Ortho. Since we did not enroll in a new PGY1 class in June 2024, we are able to focus on educating our PGY2 and PGY3 classes with advanced concepts throughout this year.

News for The Class of 2025 –

As 2nd year residents, the Class of 2025, **Drs. Jessica Azer, Alison Novakovic, and Hannah Yu** presented case reports at the annual Albert Einstein Medical Center's Case Report Competition held in February 2024 while competing alongside the other medical disciplines within the hospital. The institution chose Their Case Reports for oral presentation to the house staff. A peer-reviewed panel chose two of the three presentations for second and third-place recognition awards.

These award-winning Case Reports were:

- Jessica Azer: *Early Treatment of a Class II Malocclusion Using a Twin-Block Appliance.*

CONTINUED ON PAGE 39

- Alison Novakovic: *Orthodontic Treatment of an Adolescent Patient with a Maxillary Skeletal Transverse Deficiency Deep Bite and Congenitally Missing Mandibular Lateral Incisors.*

As a Department, we were happy to be recognized by our hospital colleagues for our residents' efforts for their patients and their choice of cases and topics submitted.

At the Dental Department-wide Dental Grand Rounds this past academic year, the orthodontic residents educated their GP and Endodontic colleagues on various topics. At the Samuel R. and Lous E. Rossman Grand Rounds in September 2023, Dr. Jessica Azar presented the "Orthodontically Induced Root Resorption and Endodontically Treated Teeth" oral podium presentation. At the Winter Grand Rounds in December 2023, Dr. Hannah Yu presented "The Etiology and Treatment of Dental Crossbites." At the Gustav V. Tassman Grand Rounds presented in March 2024, Dr. Alison Novakovic spoke on "Orthodontic Retention Demystified."

In May 2024, Drs. Azer, Novakovic, and Yu, and their faculty were pleased to learn that they each successfully passed their ABO Written Examination. Additionally, each member of the Class of 2025 successfully completed all portions of their three PGY2 Mock Board evaluations held throughout this academic year.

News for the Class of 2026--

In May 2024, Dr. Alexander Stanco provided a podium presentation to his Dental Department colleagues at the Maxwell S. and Anna K. Fogel Memorial Conference on Dental Medicine. His topic was "Investigating Silver Diamine Fluoride, its Effect on Bond Strength and its Orthodontic Applications". His Dental Department residents and faculty well-received this information and generated lively discussions.

The Class of 2026, **Drs. Ana Maria Gonzalez, Alexander Stanco, and Nicoletta Venturini were grateful for the opportunity to participate in the Tweed Foundation Course in Tucson, Arizona,** in April 2024. Based on their feedback to program leadership, this experience was very beneficial. They gain a tremendous boost in confidence because of their greatly enhanced ability to manipulate archwires. These reinforced wire manipulation skills will be clinically relevant as these residents assume the transfer of patient care from their senior partners.

Program Graduate Activities

Our most recently graduated Class of 2023, **Drs. Mordy Fried, Justin Middleberg, and Madeline Pitz,** successfully passed the ABO Clinical Examination given in February 2024. We congratulate them on this wonderful professional achievement and welcome them into the ranks of Board-Certified Orthodontic professionals. The Class of 2023 expressed their gratitude to their faculty and teachers for their unending and generous efforts in preparing them to enter the orthodontic profession.

Faculty Activities

The Division of Orthodontics looks forward to interviewing in October 2024 for an incoming class in June 2025. We extend our gratitude to the members of the Application Review Committee – **Drs. Alan Borislow, Steve Cohen, Charles Gemmi, Audra Kiefer, Harold Middleberg, and Michael Roth.** We are also extremely grateful to our Interview and Selection Committee members – **Drs. Peter Greco, Michael Kotecki, Michael Roth, Courtney Rubin, Adam Weiss,** and our residents, for graciously serving on the selection committee. Our Interview Day is Wednesday, October 23, 2024.

We have welcomed the newest addition to our volunteer faculty, **Dr. Michael Kotecki** (Class of 2022). Dr. Kotecki has assumed responsibility for the Current Literature Review Course. He is also assisting with the ABO Literature Review Course during his time in the Department.

We would also like to offer hearty congratulations to **Dr. Peter Greco** for his most recent recognition with the ABO 2024 Alber H. Ketcham Memorial Award. Very well-deserved indeed!

We also sincerely thank each of our **volunteer, part-time faculty, and visiting colleagues** for their invaluable support and dedication to the program and for the education of our residents. Without the valued commitment of the part-time faculty and other interested colleagues, it would be almost impossible to provide our quality educational experience. We are indebted to each of our community-based clinicians who give of their time to teach and mentor our residents.

All are welcome to come and visit us at Albert Einstein Medical Center- now part of Jefferson Health – at Jefferson Einstein Hospital Philadelphia. We are proud of our legacy and the residents we educate today who will become tomorrow's clinical and professional leaders. ■



CTOR ACADEMY Dr. Mani Alikhani

We have wrapped up our second year in Hoboken, NJ. Our students are making steady progress toward their certificates, and in July, we welcome our third class of students. Their arrival will mark a milestone for us, as we will have a full roster of 18 students.

Current Residents

Our Class of 2025 students are:

- **Shamelly Diaz, DDS** - PUC in the Dominican Republic
- **Hala Elsamna, DMD** – Rutgers University
- **Eric Halejian, DDS** - University of Maryland
- **Dayoon Lee, DDS** – New York University
- **Khalil Lion, DDS, MPH** - The Syrian Private University in Damascus, Syria
- **Maria Muñoz, DMD, MS** – University of Puerto Rico

They spent a good proportion of their time preparing for the ABO Written Examination, which they took in April 2024. We are proud to announce that they all passed the examination, which is a testament to their commitment to their education and the profession. As newly minted PGY3s, they are now focusing on completing their certificate requirements in preparation for graduation in 2025.

Our Class of 2026 students are:

- **Bassam Butto, DDS** - UCLA
- **Vincent DeMaio, DDS** – Columbia University
- **Jenna Heitzler, DDS** – SUNY Buffalo
- **Maxwell Herszage, DDS** – Columbia University
- **Chie Hung (Alain) Hu, DMD** – Midwestern University
- **Leelah Weitz, DDS** – Columbia University

Like PGY1 students before them, this class spent their first year learning the basic sciences and clinical skills needed to provide excellent mechanotherapy to their patients. As they progress to PGY2, they continue to refine their clinical skills and develop an even deeper understanding of the relationship between biology and mechanics in optimizing treatment outcomes.

CTOR Academy Faculty

We continue to add faculty to our roster, now having nine full-time and 22 part-time members. They are all committed to excellent education and improving evidence-based, patient-centered care.

We have two new full-time faculty, who bring considerable clinical and educational gravitas to our program.

Dr. Edmund Khoo is CTOR Academy's new Chairman. He earned his BDS from the University of Western Australia, his Orthodontics Certificate from New York University, and his AEGD Certificate from the University of Rochester. In addition, Dr. Khoo is ABO Certified and brings a wealth of experience

in academia and research. He is active in AAO, ABO, ADEA, CODA, and IADR/AADOCR. We are excited to have Dr. Khoo share his insights and vision for the future of Orthodontics and Dentofacial Orthopedics with our students and faculty.

Dr. Jose Alejandro Lopez joined us as an Assistant Professor. He is from Colombia, where he earned his DDS before moving to the US, where he earned his Orthodontics Certificate from New York University and his DDS from the University of Rochester. In addition, Dr. Lopez completed the Certificate in Translational Orthodontics Research at NYU. He adds another clinical and didactic excellence layer to the CTOR Academy roster of full-time faculty.

Our current full-time faculty are:

- **Mani Alikhani, DMD, MS, PhD** – Dean, Professor
- **Jeanne Nervina, DMD, MS, PhD, ABO Diplomate** – Program Director, Associate Dean of Academic Affairs, Professor
- **Mona Alikhani, MD, MS** – Associate Dean of Student Affairs, Assistant Professor
- **Edmund Khoo, BDS (Hons), ABO, FICD, FACD, FNYAM** – Chairman, Professor
- **Fanar Abdullah, DDS, MS** – Clinic Director, Assistant Professor
- **Chinapa Sangsuwon, DDS** – Assistant Professor
- **Marcos Giovanetti, DDS, MS, PhD** – Professor
- **Andreina Reimpell, DDS** – Assistant Professor
- **Jose Alejandro Lopez, DDS** – Assistant Professor

AAO Meeting in New Orleans

Our Chair, Dr. Edmund Khoo, represented CTOR Academy at the Society of Educators meeting at the 2024 American Association of Orthodontists Annual Meeting in New Orleans, Louisiana.

Dr. Maria Munoz (PG2025) and Dr. Alain Hu (PG2026) were also in attendance and assisted the organizers. ■



GRADUATE PROGRAM REPORTS



HOWARD UNIVERSITY

Dr. Kathy L. Marshall

Congratulations to our 2024 graduates! We are very proud of all the achievements of our Fabulous Five graduates this year and throughout the duration of the program.

Research thesis of our second-year residents:

Dr. Jennifer Franklin, *The effects of mouth rinses, acidic beverages, and abrasive materials on the integrity of orthodontic appliance.*

Dr. Alauna Martinez, *The association between hypercementosis and the success of orthodontic tooth movement and therapy: A Scoping Review.*

Dr. Kristi Morris, *A retrospective comparison of commercially manufactured and in-office clear aligners in treating non-extraction cases with moderate crowding.*

Dr. Sidalia Reed, *The relationship between the Handicapping Labiolingual Deviation (HLD) Index and the index of complexity, outcome, and need (ICON) Indices in determining orthodontic treatment need in D.C. adolescents.*

Dr. Mahsa Ziashakiri, *An investigation into the stability of clear retainers when exposed to different mouthwashes.*

We welcome our incoming class:

Dr. Nour Abou-Abdou

Dr. Tinashe Chapfika-Johnson



MEDSTAR WASHINGTON HOSPITAL CENTER

Dr. Linda Hallman

The Medstar Washington Hospital Center Orthodontic Department is pleased to submit a departmental update. Thank you for the opportunity. We have had another exciting and successful year at MWHC. It is hard to believe that a new cycle is here, and we are saying goodbye to our current class and welcoming the new class of residents.

We will say goodbye to our Chief residents, **Drs. Logan Cash** and **Carlos Galvez Rivero**. Dr. Cash will join a private practice in northern Virginia. Dr. Galvez will move back to New York City where he will associate in a private practice. We are proud to send these two outstanding orthodontists into the community to practice and become leaders in their respective communities.

As our Chief Residents graduate, we are pleased to promote our PGY1 residents, **Drs. Madison Moore** and **Hannah Rothback** to PGY2 where they will assume the responsibilities

Dr. Christian Foster

Dr. Tifanni Drew Knight-Lynch

Dr. Oreoluwa Lanlokun

Dr. Samiyra Oj

These fantastic candidates completed training at the University of Connecticut, Howard University, Meharry Medical College, and the University of Pennsylvania. They are one of the program's most diverse classes, having come from Bermuda, Egypt, Jamaica, Canada, and the United States.

Our continuing residents, **Drs. Kaelon Guillory, Eithan Lue Chee Lip, Adem Mahmud, Tangwan Nganteh, Racine Ramanand, and CyVanie Ramkelawan** continue to attend conferences, including the AAO Advocacy Day, the AAO/MASO Annual Sessions, and the Tweed courses in addition to teaching the predoctoral dental students and maintaining their didactic, research and clinical responsibilities. The program participates in community service activities and provides orthodontic screenings and educational programs for events, including the Give Kids a Smile National Kickoff held at Howard University this February, the Men and Women's Community Health Symposium, and We Are All Beautiful After 40 Health Symposium held in surrounding Maryland and Virginia.

We are supremely grateful to Howard University Faculty and our generous HU Orthodontic Alumni Association for their tremendous response to the needs of our residents and the program.

As always, Congratulations to our alumni who have achieved ABO Diplomate status and those who have recertified. ■

of Chief Resident. Dr Moore received her dental degree from the Southern Illinois University Dental School, and Dr. Rothback received her dental degree from the University of Maryland. Both have become outstanding residents through their PGY1 year, and we look forward to their leadership as they become Chief Residents.

We welcomed our incoming class of residents in June 2023. **Dr. Sherlly Dolmuz** was a cum laude graduate of the University of Maryland and then received her dental degree from Columbia University Dental School. **Dr. Hector Hernandez Villalvazo** received his initial dental training from Universidad de Montemorelos, in Montemorelos, Nuevo León, Mexico. He then received his DDS at Loma Linda University. We were very excited to welcome both outstanding individuals to join our staff. We continue to be blessed with outstanding residents, who will be an asset to the future of the profession.

As always, as we look back on the past year, we appreciate how fortunate we are at MWHC to work together with excellent and committed faculty, outstanding residents, and a strong commitment from our institution, Medstar Washington Hospital Center, Children's National Hospital, and our affiliate, the National Orofacial Institute. ■



RUTGERS SCHOOL OF DENTAL MEDICINE

Dr. Thomas Cangialosi

I am pleased to congratulate **Drs. Peter Chyun, Brennan Feldman, Kayliegh Freidman, Kumpal Patel, and Priyanka Srivastava**, who graduated from the

Rutgers Orthodontic program on May 13, 2024. Each of them received both the Certificate in Orthodontics and the Master of Dental Science degree. Special thanks also to Dr. Kumpal Patel, who served as our Chief Resident during the past year and did a great job representing the residents.

I also want to welcome our incoming class, **Drs. Thomas Gasparis, Blaze Fraser, Sara Marciano, Hoda**

Rahimi, and So Young Shin who will enter our program on July 1st. Their next three years will be challenging but also exciting and rewarding.

Our thanks for his service to **Dr. Jeffrey Cooper**, who announced his retirement in March, and congratulations to **Dr. Anthony Suriano**, who has recently expanded his time to two full days a week. Residents named Dr. Suriano and Dr. Robert Montemurno Faculty of the Year.

Thank you to all Alumni and Alumnae who continue to support the activities of our department, especially our Student Scholarship Fund and a new Student travel fund to enable our students to attend C.E. courses and meetings. ■



TEMPLE UNIVERSITY

Dr. Jeffrey H. Godel

Temple University Kornberg School of Dentistry, Department of Orthodontics, continues to enjoy the excitement and terrific achievements of the past several months.

Meanwhile, the Class of 2024 has completed their MS degree and is now diligently working on their patients, eagerly anticipating their graduation in August 2024. These promising young professionals, **Katie Alexander, Nina Golojuch, Jenna Herr, Corey Moletsky, Amanda Noyek, and Daniel Seebold**, have shown exceptional dedication and are excited about their future as orthodontists, ready to uphold our profession's excellence. Their achievements are a source of pride and inspiration for all of us.

Also, the Class of 2025 is excited and thrilled to fulfill their role as second-year residents. They are **Ryanne Farah, Jessica Ho, Hyangseong "Sophie" Jo, Daniel Markel, Jordyn Middleberg and Matthew Wittstein**. They look forward to embracing their roles as big "sibs" and guiding the new class 2026.

In addition, our residency program received well over 240 applications this year, a testament to its growing

reputation. We invited 33 candidates for an interview and matched six great residents for the Class of 2026: **Colton Brown** from Pittsburgh University, **Marielisa Otero-Henao** and **Paige Hodges** from Temple University, **Elizabeth Noel** from Creighton University, **Anwar Radwan** from University of Pennsylvania, and **Eamon Whelan** from University of Connecticut. This success is a reflection of the high standards and quality of our program. The Class of 2026 looks forward to attending and meeting all MASO members at the upcoming meetings and are enthusiastically preparing for the TWEED course next year in Arizona.

In addition, we continue to focus on innovation and technology. We take special pride in our strong clinical focus and advanced technology. Our residents are excited and looking forward to continued engagement in digital orthodontics.

Finally, we would like to express our heartfelt gratitude to our outstanding adjunct faculty and alumni. Their unwavering support and dedication have been instrumental in making this year's graduation celebration for the Class of 2024 a resounding success. Their continued enthusiasm and commitment to the education of our residents and the success of our program is truly commendable. We deeply appreciate their contributions and value their continued involvement.

We hope to see everyone at the 2024 MASO meeting in St. Thomas. ■

UNIVERSITY OF MARYLAND

Dr. Jose Bosio



We had a busy first semester here at UMSOD. Our 3rd-year residents (**Kevin Barnes, Lindsay Diaz, Vicente Telles da Silva, and Emily Wu**) successfully defended their master thesis research, and Vicente further received an award from the UMSOD Research

Day. Lindsay was one of the students who attended the AAO Advocacy meeting in Washington, DC, last February. Vicente and Kevin also attended the Maryland Dental Advocacy Day in Annapolis. They also graduated on June 30th, completing all their requirements for receiving the certificate in orthodontics and their Master of Science degree. Kevin will remain working with the Baltimore Orthodontic Group, Lindsay is moving upstate New York, Emily will likely settle in Philadelphia, and Vicente will likely return to Pittsburg.

Our 2nd year residents were also busy. **Christina Grace and Tri Le** attended the AAO New and Young members meeting in San Antonio, TX. **Steven Zinn** received the maximum ABO exam score (1000 points), indeed a source of pride for the whole program, and by the way, all residents pass the ABO exam with a very high score. **Alicia Briscoe** got her IRB approved, and Christina was elected as the chief resident.

Our first-year residents (**Elisabeth Crowe, Jessica Jiang, Justin Mack, and Iman Shirmohammadi**) completed most of the core courses required for the master's thesis. Now, they will start focusing on their master's thesis research. With nearly 80 new patients assigned to each one, they will be busy taking on all patient transfers from the third-year class.

The Division of Orthodontics sponsored all residents to attend the AAO meeting in New Orleans and the MASO meeting in Wilmington, DE (see photo), and they all enjoyed learning.

Our full-time faculty **Dina Sanches, Flavio Copello** and **Maria Doughan** were busy writing papers and revamping

the undergraduate program. **Eung Pae** was also busy working in the clinic and conducting research. While I had the opportunity to lecture to the Midwest Angle Society in Naples, FL, at the AAO Winter Meeting in San Antonio, TX, attending the AAO Advocacy Day in Washington, DC, and Maryland Dental Day in Annapolis, serving as COSA chair and judging Table Clinics during the AAO in New Orleans, hosting the graduation celebration dinner and finally lecturing as the keynote speaker for the 1st ORTHO CBW International Meeting, in Curitiba, Brazil.

Our chair, **Dr. Vineet Dhar**, worked hard and was awarded many grants during this first semester. **Steven Siegel** was elevated as AAO President-Elect. **Saul Burk** has continued pushing for donations to the Wanda Flinn endowment fund created to support orthodontic residents at UMSOD, and he continues matching up to \$10,000 for any donation given to the fund. **David Harmon** continues teaching part-time and helping to assemble the new 3D Sprinray printer and the new 3SHAPE intraoral scanner.

Viney Saini was the keynote speaker for an orthodontic meeting at Marquette University, WI, and **Ty Saini** continued teaching at UMSOD and NYU while serving as MASO delegate and HCDA active member. He also attended the AAO Advocacy Day and Maryland Dental Day, advocating for better conditions for all dentists; **Byron Bonebreak** and **Stuart Sheer** continue taking care of all patients on Fridays. **Chris Liang** continues serving MSDA and AAO in different capacities. **Monica Schneider** continues to serve as president of MSSO, and **Scott Jenkins** is serving as president of the North Atlantic Angle Society of Orthodontists. **Jeff Jarvis** continues serving as the liaison for the UMSOD orthodontic alumni. **Erin Mahoney, Richard Chang, and Steven Tigani** continue to enjoy serving as clinical instructors. **Phil Markin, Fred Preis, Jeff Posnick, and James Tong** are frequently lecturing to our students. As anyone can see, we are privileged to have so much support from individuals who are committed to the orthodontic profession. Thank you all. ■





UNIVERSITY OF PENNSYLVANIA
Dr. Chun-Hsi Chung

We are happy to announce the following awards, which were presented to faculty and residents:

- **Dr. Peter Greco:** Recipient of the ABO 2024 Albert H. Ketcham Memorial Award
- Dental student **Sara Ha** (mentored by Dr. Helen Jeon): IADR CTOR Award for Student Excellence in Orthodontic Research
- Dental student **Jim Park** (mentored by Dr. Helen Jeon): American Association for Dental, Oral, and Craniofacial Research (AADOCR) Student Research Fellowship Award
- **Dr. Mary Cruz Contreras** (mentored by Dr. Helen Jeon): 2024 AAO William R. Profitt Resident Scholar Award- Basic Science – 3rd place.
- **Dr. Chenshuang Li:** Anne D. Haffajee Fellowship, American Association for Dental, Oral, and Craniofacial Research (AADOCR) Award
- **Tiffany H. Park, Dr. Jia-Hong Lin, Dr. Chun-Hsi Chung, Dr. Zhong Zheng, and Dr. Chenshuang Li:** David L. Turpin Award for Evidence-Based Research, American Journal of Orthodontics & Dentofacial Orthopedics
- **Dr. Chenshuang Li:** American Dental Education Association Council of Students, Residents, and Fellows / Colgate-Palmolive Co. Junior Faculty Award
- **Nikki Wei** (mentored by Dr. Chenshuang Li) American Dental Education Association Section on Orthodontics Student Award
- **Dr. Christie Shen** (mentored by Dr. Chenshuang Li): American Association of Orthodontists Foundation Research Aid Award
- **Dr. Jason Poon** (mentored by Dr. Chenshuang Li): American Association of Orthodontists Foundation Research Aid Award

Our comprehensive clinic and didactic Orientation Program will begin on July 8, 2024, as we welcome our new incoming class of 2026.

26-month Certificate Program

- **Azizat Adediran** – Meharry Medical College 2024
- **Sapna Nath** – Harvard University 2024
- **Elizabeth Scagnelli** – University of Tennessee, 2024
- **Anqi (Gloria) Wan** – Penn 2024
- **Nikki Wei** – Penn 2024

3-year MSOB/Ortho Program

- **Min Jung Kim** – Peking University, 2018
- **Mohammad Mohammad** – Creighton University, 2021

5-year DScD/Ortho Program

- **Hala Allawama** – University of Jordan, 2021Perio/Ortho Program

We have five graduates who will complete the combined dual specialty and degree Orthodontic Certificate programs this year. They will receive their certificates in Orthodontics and dentofacial orthopedics at a reception on June 26.

- **Dr. Puttipong Sripinun** (5-year Ortho/DScD Program)
- **Dr. Nour Hobani** (5-year Ortho/Perio/MSOB Program)
- **Dr. Mary Cruz Contreras** (3-year Ortho/MSOB Program)
- **Dr. Brianna Tucker** (3-year Ortho/MSOB Program)
- **Dr. Min (Sherry) Yang** (4-year Ortho/Perio Program)

On June 26, our orthodontic certificate program graduates will present their research to the faculty:

Dr. Vivian Chen, *Craniofacial Phenotypes and Obstructive Sleep Apnea in Elderly Population*
Faculty Advisors: Dr. Hyeran Helen Jeon

Dr. Jiahui Li, *The Effect of Lip bumper on inter-premolar width and bone level*
Faculty Advisor: Dr. Chenshuang Li

Dr. Min Kyung Shin, *The stability of LeFort II and LeFort III Distraction of Osteogenesis in Craniosynostosis Syndromic Patients*
Faculty Advisors: Dr. Han Duck Nah-Cederquist and Dr. Hyeran Helen Jeon

Dr. Sara Steinbaum, *Assessment of Condylar Changes in Patients with Degenerative Joint Disease of the TMJ after Stabilizing Splint Therapy: A CBCT study*
Faculty Advisors: Dr. Wenjing Yu and Dr. Normand Boucher

Dr. Jin Xu, *In House Virtual Surgical Planning (VSP) System for Better Treatment Plan Communication Between Orthodontic And Oral Surgery Departments*
Faculty Advisor: Dr. Chenshuang Li

The second-year resident Mock Board Exam will take place Tuesday August 6. This will be an in-person exam.

On August 23rd the 2024 graduation ceremony for our 26-month postdoctoral certificate program in Orthodontics and Dentofacial Orthopedics, will take place.

Orthodontic 26-Month Certificate Program

- **Vivian Chen, DMD**
- **Jiahui Li, DMD**
- **Min Kyung Shin, DMD**
- **Sara Steinbaum, DMD**
- **Jin Xu, DMD**

Special Recognition

Five-Year =ear DScD Program

- **Jedtanut Thussananutiyakul, BDS**

Three-Year Ortho Master Program

- **Victoria Hu, DMD**
- **Christie Shen, DDS**

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GRADUATE PROGRAM REPORTS

Four-Year Perio/Ortho Program

- Jason Poon, DDS

We wish them all the very best and continued success in their future endeavors.

Our J. Henry O'Hern annual Orthodontic Alumni Day will be held in person on Friday, September 27th, at Penn Dental Medicine. Dr. Jae Park and Dr. Jay Bowman will be the

speakers. CEU credits will be available. Additional program information and registration will be available online sometime soon. Keep checking the PDM Alumni website <https://www.dental.upenn.edu/alumni/> for more information regarding Penn Dental Medicine.

As always, we would be privileged to have you visit with us at UPENN! ■



UNIVERSITY OF PUERTO RICO Dr. Jose Morales-Diaz

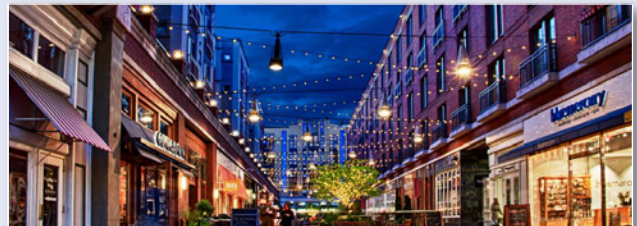
Greetings from The University of Puerto Rico Orthodontic Graduate Program. Our residency's second semester of the 2023-2024 academic year has been productive and busy. We are very proud of our achievements. Last April, we received Dr. Michael Messana from New Jersey, who lectured about Skeletal Anchorage; thanks, Mike, for that excellent and informative presentation. Also, we received another guest speaker in May, Dr. Ravikumar Anthony, former program director of the University of Texas in San Antonio. He spoke about extraction space closing mechanics; thanks for an interesting lecture. Our six residents and faculty members traveled to beautiful and historic New Orleans to

participate in the AAO annual meeting. We had an alumni reception where we had a wonderful time seeing many of our past residents and friends. **Dr. Nikaury Guzman**, the senior resident, successfully defended her thesis, "Root Paralleling in Maxillary Premolar Extractions Using Invisalign Clear Aligners; Retrospective Cohort Study." Recently, The American Board of Orthodontics (ABO) installed our faculty member **Dr. Roberto Hernández- Orsini**, as president-elect for the year beginning May 6, 2024. Congratulations, Robert. We are very proud of your accomplishments. Last April, a delegation of students of our Dental School managed by our program director and a group of physicians from UCC School of Medicine went to Vieques Island, Puerto Rico, to bring volunteer humanitarian medical and dental services. Lastly, we want to congratulate our graduate residents, **Drs. Nikaury Guzman** and **Nicolle Reyes** welcome our new incoming residents, **Drs. Valeria Rivera** and **Ian J. Soto**. ■

UPCOMING EVENTS



JANUARY 24-26, 2025
AAO Winter Conference
JW MARRIOTT, MARCO ISLAND, FL



MARCH 7-8, 2025
Spring CE Meeting and Ad Interim Board Meeting
MARRIOTT BETHESDA DOWNTOWN, BETHESDA, MD



APRIL 25-27, 2025
AAO Annual Session
MARRIOTT DOWNTOWN, PHILADELPHIA, PA



SEPTEMBER 25-27, 2025
MASO Annual Session
THE MAYFLOWER HOTEL, WASHINGTON, DC

MASO Journal

Middle Atlantic Society of Orthodontists

Dr. Normand Boucher, Editor

Ms. Jane Treiber, MASO Executive Director
400 W. Wilson Bridge Rd, Ste 120
Worthington, OH 43085



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