

# MASO Journal

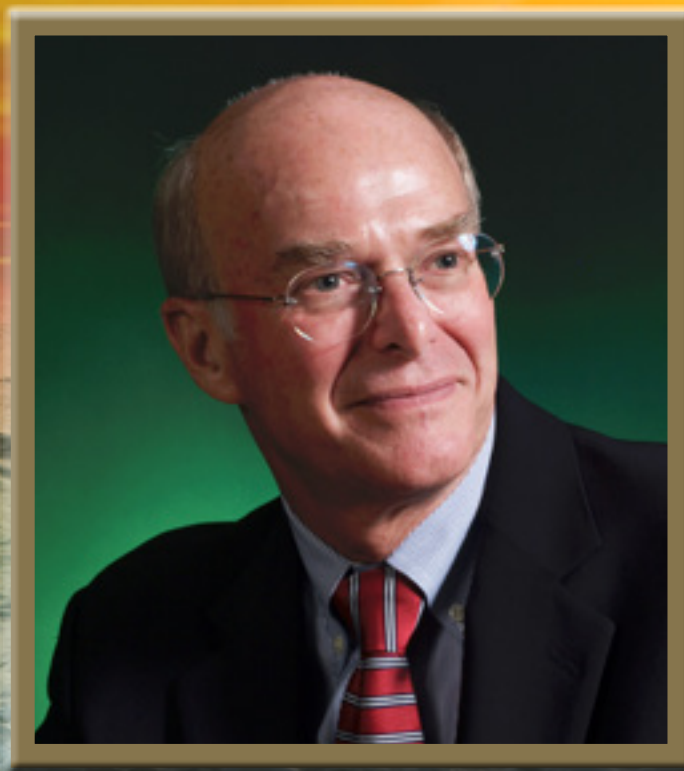
THE AWARD WINNING

Autumn 2019

Middle Atlantic Society of Orthodontists

*In Memoriam*

## DR. ROBERT “BOB” WILLIAMS



*“The noblest question in the world is: What good may I do in it?”*

– Ben Franklin

For **Bob Williams** that profound question was answered simply by “being of service.” His contribution as editor of the *MASO Journal* for the past 13 years is but a glimpse of a life well lived. The testimonials in this edition we have dedicated to Bob are a testament to the impact he had on his community and our world of orthodontics. For further insight into this great life, I would encourage our readers to log onto the MASO website and review his well-crafted editorials. Bob had a gift for looking at the big picture and relating the significant events of the time to our professional lives.

My responsibility as your new editor is to follow Bob’s lead to ensure this journal is meaningful for the MASO membership. I will continue with his initiatives, which included orthodontic pearls, research abstracts, and case reports. Going forward, our journal will include interviews of the giants in orthodontics, a multidisciplinary column, a column on the digital side of orthodontics, bar codes to access resident scientific postures, and a personal favorite, a column on orthodontic sustainability practices.

If the old adage that “imitation is the best form of flattery” is a truism, following Bob’s footsteps would not only do homage to this gem of an individual, but will ensure that the MASO community is well served.

– Dr. Normand Boucher, nsjboucher@gmail.com

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For information and to register:

[www.MASO.org](http://www.MASO.org)

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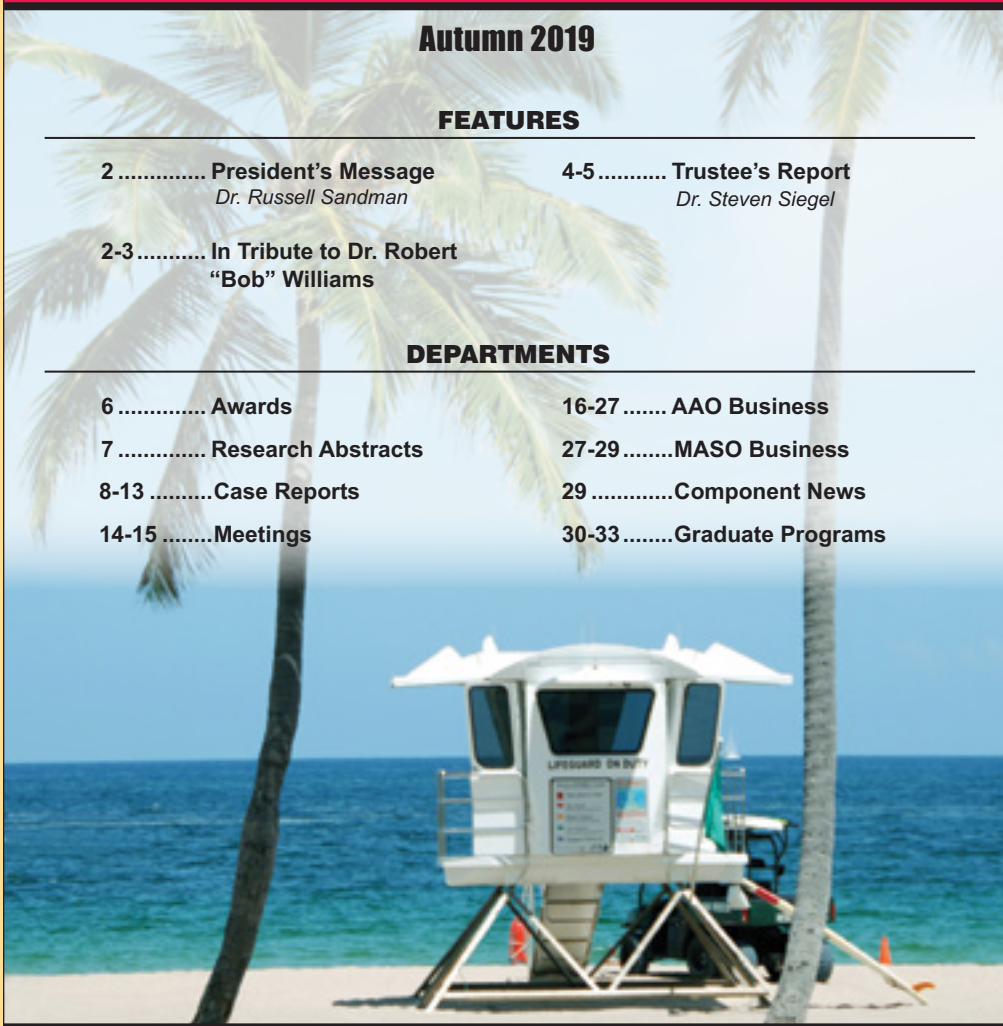
Autumn 2019

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Advertising rates are available from, and all advertising materials and correspondence should be sent to MASO, 17 South High Street, Suite 200, Columbus, OH 43215. The Middle Atlantic Society of Orthodontists reserves the right to refuse any advertisements for any reason. All ads must comply with the "AAO Advertising Guidelines."

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 [nsjboucher@gmail.com](mailto:nsjboucher@gmail.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 shall:

- A. Promote the ethical delivery of quality orthodontic care by providing its members with educational opportunities and information regarding advances in orthodontic treatment and technology.
- B. Be an advocate for, and a representative of, all constituent members for the purpose of making regional decisions regarding policy, budget, member services, public information and communication.

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## PRESIDENT'S MESSAGE

Dr. Russell Sandman • [doctorbrace@yahoo.com](mailto:doctorbrace@yahoo.com)

It is with great sadness that I share the passing of one of the pillars of our organization - **Dr. Robert "Bob" Williams**. This edition will be dedicated to the memory of Bob and all that he accomplished for MASO during his decades of selfless volunteerism as our journal editor and outspoken board member.

I had the pleasure of working with **Dr. Robert Williams** on the MASO board for more than a decade. I can say without reservation that Bob was one of the most knowledgeable, dogmatic, fearless, and enigmatic members of our organization. His wry sense of humor and lust for life made Bob a fast friend and professional consigliere to us all.

Bob's memory will serve as a lasting reminder of life's top priorities. Whether traveling with his family, giving to his church, the Boy Scouts, his local community, or our organization - Bob knew that when one gives bountifully, one receives far more in return. On behalf of MASO and our great profession, we will forever remain grateful for Bob's wisdom, generosity, and friendship.

Bob valued the cohesion, education, and togetherness characteristic of our meetings. Please consider attending our upcoming joint meeting with GLAO in Ft. Lauderdale from September 12-15 at the Marriott Beach Harbor. As always, lectures will be timely and relevant with plenty of time for beach and family entertainment! ■

# *In Tribute to Dr. Bob Williams*



### **Anecdotes and Reflection by Dr. Steven Siegel**

**Dr. Bob Williams** worked tirelessly and selflessly on behalf of our profession, the Middle Atlantic Society of Orthodontists, the

American Association of Orthodontists and the University of Maryland Orthodontic Department and its residents. Bob was a stalwart advocate for our students and patients. To me, he was a mentor, colleague, collaborator, and friend.

Bob was a modest man, never seeking the spotlight. He was smart, insightful and critical but not always the most diplomatic of men. I tend to be a consensus builder and fancy myself to be diplomatic. We made a great team. Not long ago I called Bob a lovable curmudgeon, to which he replied, "Well at least I'm lovable."

On many occasions, we visited congressional offices on Capitol Hill together, to advocate on behalf of our patients and profession. One particular visit stands out as most memorable. It was a visit to Senator Ben Cardin's office in Washington, D.C. shortly after he was elected to office in 2006. Bob and I were Democrats but the American Association of Orthodontists was quite a conservative organization and our AAO president at the time urged Maryland orthodontists to vote for Senator Cardin's opponent, then Lieutenant Governor Michael Steele. Somehow that information was leaked to Senator Cardin's campaign manager; the story of the events

leading up to that leak will be saved for another time. Upon arrival, Senator Cardin's chief legislative aide kept us waiting quite a while and when she finally saw us she proceeded to angrily admonish us. She said, "You have some nerve coming here when I know that your organization did everything possible to try and defeat the Senator." Once she finished, we told her that we supported and voted for Senator Cardin and had urged our fellow Maryland orthodontists to vote for him as well. She then calmed down, her demeanor changed and we were able to briefly discuss our legislative agenda. When we left Senator Cardin's office, Bob said, "Well that was mortifying." I said, "No, it was great." He asked me how I could say that and I replied, "How many U.S. citizens can say that they went to their senator's office in Washington, D.C. and got reamed out? That was outstanding!" By the way, the next year, that same person warmly greeted us upon arrival at the Senator's office saying, "Dr. Williams, Dr. Siegel, so nice to see you again."

It was just over a year ago that Bob and I had the honor and privilege of being the general co-chairs for the AAO Annual Session in Washington, D.C. We began work on this meeting five years prior and worked very closely with each other. It was a lot of work, more so for Bob because I had other responsibilities in our Association. There were exasperating times, but the meeting hosted over 17,000 people and was a huge success, in no small part because of Bob's hard work. I remember standing backstage with Bob just prior to us going out to welcome several thousand people at our opening ceremonies. We were both a bit tired and nervous. I looked at Bob and said, "Let's go out there and have some fun," and we did. After the meeting, Bob told me that being general co-chair of the meeting was one of the great experiences of his life.

On the Friday of that Annual Session, I was giving a presentation to the Society of Educators on recommendations of a CODA task force regarding the accreditation standards. Bob was in the audience and I had told him that I was going to introduce him. At the beginning of the presentation I told the audience that I was serving as the general co-chair of the AAO Annual Session so if they enjoy the meeting please let me know. I then went on to say, "On the other hand if anyone has any problems or criticism, I would like to now introduce the other general co-chair, Bob Williams, who is in the room. Bob, please raise your hand." Bob just looked up at me shaking his head from side to side.

In June 2018, we flew to Los Angeles to give an extensive post annual session report to future annual session planning committees. We sat in adjacent aisle seats on the flight so we could work on our presentation together. We had to decide who would take the lead on each slide. On the draft outline Bob marked a B for Bob to indicate his slides and an S for Steve to indicate my slides. I began the presentation by relating this story to our audience and saying they were about to now see a truly BS presentation. Bob got a kick out of that.

There were numerous times during Board and other meetings when I would say something, sometimes on purpose, to irritate Bob. He would wait until no one was looking and slowly raise his middle finger to me as he moved it up to adjust the bridge of his glasses. I would just look at him and smile.

Bob was an extremely ethical and moral man who felt deeply about social justice. I did not learn until after his death that he took part in 1965 as a college student, in the historic Student Nonviolent Coordinating Committee 54-mile civil rights march from Selma to Montgomery, Alabama, for which he received the Foot Soldier for Justice Congressional Gold Medal in 2015.

Bob and I had many conversations about the need for diversity and inclusion within our leadership long before it became a hot topic of discussion within our association. We agreed that it would require identifying potential leaders among our new and young members, reaching out to them, developing relationships and mentoring them. I believe that it is significantly due to Bob's effort that our MASO leadership now reflects the diversity of our members. I do know that Bob was very proud of this accomplishment.

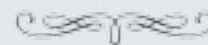
Bob served as a dedicated faculty member of the University of Maryland Department of Orthodontics for over 40 years and mentored so many orthodontic residents over those years. He always tried to ensure that our residents received a quality education and a great clinical experience and took pride in the success and achievements of our alumni.

Bob was dedicated to his family and his community as evidenced through his service to his church and to the Boy Scouts.

I hope that Bob serves as a role model to us all. My life has been enriched through my friendship with Bob. He always encouraged me to take the next step in leadership and service to our profession. I would hope that all of you, whose lives Bob touched, honor his memory by following his example

of service. Please consider a role as a mentor to our new and young members, teachers and volunteer leaders. Your contribution is vital to continuing the excellence of service to our patients and our profession, to which Bob always aspired.

The first thing that I did when I finished a *Journal* report was to send it to Bob for review and comment. Usually he would offer suggestions for change and catch a typo or two. My work was always better with his input. Unfortunately, I no longer have that luxury, so this essay will have to do as is. I can almost feel Bob looking down at me now from Heaven as I am writing this, lovingly raising his middle finger in my direction one last time and adjusting the bridge of his glasses while wearing that wry smile of his. Well Bob, one final BS project, we had some great times together and served our profession well. I'll miss you old friend.



**Kathy L. Marshall, DDS**

**Dr. Robert "Bob" Williams** had just met with our orthodontic residents the Monday prior to his passing. He was a great friend and supporter of the program at Howard University, and had planned to return to Howard to meet with the residents later in the month.

We pray for his family and friends, and we will always celebrate his achievements and remember his remarkable career.

With great sympathy,

The Residents, Faculty and Staff  
Orthodontic Postdoctoral Program  
Howard University College of Dentistry



**Dr. Jeff Jarvis**

As a graduate of the University of Maryland Orthodontic program, I had the distinct honor and pleasure of having **Dr. Bob Williams** as an instructor. Bob was a no-nonsense practitioner who delivered treatments from an evidence based approach and early in my residency program taught in a way that simplified the confusing process of treatment planning. I credit him in and other greats from my program who taught me the importance of critiquing the literature and understanding the design is as important as the conclusions that are made. At his memorial service I was moved by his many accomplishments and the many lives he has touched. His presence will be missed by all who knew him and the future orthodontists from the University of Maryland who will not get the chance to gain from his knowledge and acumen.



**Dr. Madeleine Goodman**

To say that **Bob Williams** was an integral part of MASO, and will be missed dearly, is an understatement. The dedication he brought to his work with the *Journal* and his vocal contributions at meetings were truly so impressive and appreciated. I always admired his passion for the specialty and his efforts to keep it moving forward. Thank you, Bob, for all you have done for our profession. We miss you! ■



## TRUSTEE'S REPORT

Dr. Steven Siegel • [ssiegel@aao.org](mailto:ssiegel@aao.org)

It has been an eventful year for our profession and the American Association of Orthodontics. Organizational and staff changes have been made to better serve our members. The AAO is, as stated in our strategic plan, committed to advancing your success through education, advocacy and research. Regulatory and legislative activity continues to be monitored at all levels to ensure that your voice is heard. Remember, the AAO is member driven; we are the AAO.

### Governance

The House of Delegates passed resolution 25-19 SAO-SWSO titled "Constituent Reorganization."

It resolved "that the American Association of Orthodontists support efforts at the constituent level to investigate governance and organizational changes that could increase efficiency, improve member involvement and best position the Association to continue as the leading organization shaping the future of orthodontists and orthodontic patient care. Support may include, but not be limited to: use of staff administrative resources, in-house legal review of proposed changes and access to data that may be pertinent to this process, subject to the pre-approval by the AAO CEO."

This resolution was developed to reflect potential future change to constituent structure and in recognition of merger discussions between the Southwest Society of Orthodontists and the Southern Association of Orthodontists. Merger discussion has also occurred between the Pacific Coast Society of Orthodontists and the Rocky Mountain Society of Orthodontists. The Northeastern Society of Orthodontists has expressed interest in merging with a yet to be determined constituent. There is an increasing recognition among many constituent leaders that change may be needed to reflect the challenge of maintaining meeting sponsorship and attendance, and managing the cost of running constituent associations, while remaining relevant and of value to members.

The Board of Trustees has formed a How-We-Work Task Force to study the overall AAO governance process, including the structure of the Board. Mr. Mark Engel will facilitate the work of this task force. I am a member of this task force. We had our first meeting on Friday, May 24 at AAO headquarters in St. Louis and have scheduled a second meeting on June 29. Effective and efficient governance is also a topic on the agenda for the Board of Trustees meeting in July.

The Board of Trustees also formed a Global Advocacy Task Force to evaluate our present advocacy efforts at the federal, state and local levels and to develop a strategic advocacy plan. I will be chairing the task force, which will include representatives from the Council on Governmental Affairs, AAOPAC and the BOT.

Our state and local advocacy effort over the past year has been of significant benefit to our members.

The need for advocacy at the state and local level is ever increasing. The House of Delegates has authorized the maintenance of the \$1 million AAO Component Legal Support Fund. We must continue to have a voice in any pending legislation or regulation that affects specialty recognition or specialty advertising. We must be proactive in the debate over the scope of teledentistry, and, when possible, help shape any rules and regulations that govern the use of teledentistry. The AAO supports the use of teledentistry to enhance the ability to better serve our patients. We support greater access to quality dental and orthodontic care, while ensuring protection of patients and consumers against potential harm.

### Creation of the Innovation & Transformation Fund

The BOT requested, and the HOD approved, that the AAO appropriate \$3 million from Excess Liquid Reserves to establish an innovation and transformation fund to support the development of new non-dues revenue products and services.

The AAO desires to increase non-dues revenue to reduce its reliance on member dues and assessments in order to fulfill its mission. The coming year will be a planning and preparation year and include: idea generation, project scoping, business-case development and development of actual products and services.

Opportunities may arise through approved or endorsed products of value to our members that will help them succeed in practice, through partnering with industry when this aligns with our mission or through the development of products of value to consumers and patients. To capitalize on new business opportunities, a nimble review and funding process is needed, as opportunities may occur throughout the year.

A formal stage-gate new product development process will be followed. Capital of varying levels will be needed to fund development. The stage-gate process ensures proper staff and board oversight with a reporting requirement back to the HOD.

### Consumer Awareness Program

The HOD approved an \$800 assessment to help fund an 8.2 million dollar CAP for the coming fiscal year. A task

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## TRUSTEE'S REPORT

CONTINUED FROM PAGE 4

force has been formed to evaluate possible ways to fund the CAP in the future and the potential impact of various funding methods.

Since June 2018, ads have appeared over 843 million times online, reaching over 120 million unique viewers in the U.S. and Canada, and there's been over 5 million page views of the content on the consumer website. The consumer website traffic continues to increase substantially, with 2018 ending at just over 7,491,000 visits, a 1,730% increase from 2016 when there were just 409,290 total visits.

The Council on Communication notes that in terms of the Consumer Awareness Program, there is a clear correlation in the amount of funding spent, and amount of consumers attracted to the AAO's consumer website for further education on orthodontic specialists and utilization of the "Find an Orthodontist" service. It can be estimated that every \$.80-\$1.10 that is spent on the CAP results in one visitor to our site and locator.

For more information on the CAP please go to the following link:

[aaoinfo.org/cap-by-the-numbers/](http://aaoinfo.org/cap-by-the-numbers/)

### Direct to Consumer (DTC) Activity

The AAO has been actively monitoring and advocating on a variety of fronts related to DTC orthodontic products and teledentistry. The AAO promotes access to care, but wants to ensure that safe and effective care is provided, dental laws are followed, and that consumers of such care will not be harmed.

On May 21, 2018, SmileDirectClub filed a lawsuit against the Georgia Board of Dentistry in federal court. The lawsuit arose out of a rule that requires "digital scans for fabrication [of] orthodontic appliances" to be performed by an expanded duty dental assistant acting under the direct supervision of a licensed dentist.

On February 21, 2019, the American Association of Orthodontists filed court papers supporting the position of the Board and its individual members in the lawsuit and in opposition to the claims and arguments made by SmileDirectClub.

On May 8, 2019, the Federal Court dismissed a majority of SmileDirectClub's claims, and found that SmileDirectClub's digital scans constitute the "practice of dentistry" under Georgia law.

For a detailed timeline of AAO activity, please go to the following link on the AAO member site:

[aaoinfo.org/legal-advocacy/dtc-advocacy-page/](http://aaoinfo.org/legal-advocacy/dtc-advocacy-page/)

The AAO has produced a consumer alert containing "Questions to Consider When Researching Direct-To-Consumer Orthodontic Companies." This post may be found using the following link:

[aaoinfo.org/\\_/online-orthodontic-companies/](http://aaoinfo.org/_/online-orthodontic-companies/)

### AAO Position on HPV Vaccine

The AAO adopted a position on the HPV vaccine that supports educating and counseling patients and parents concerning vaccination for Human Papilloma Virus (HPV) in accordance with the latest CDC recommendation. It also supports routine examination of patients for oral and oropharyngeal cancers and collaboration with the ADA on HPV vaccination education and awareness.

### Awards

The BOT approved a **Sharon Hunt Memorial Lecture**, where the recipient of an annual Orthodontic Staff Achievement Award will be recognized, beginning at the 2020 Annual Session. Ms. Hunt became the Executive Director of the Southern Association of Orthodontists (SAO) in 1996, where she remained until her retirement in 2014. She continued to work part-time after retirement for the SAO and also for the Southwestern Society of Orthodontists (SWSO). While serving the SAO, she launched the SAO's Leadership Program, attended 193 meetings of state chapter organizations, and executed a Futures Study, which was of value throughout the orthodontic community.

Our own **Dr. Robert Williams** will posthumously receive the **AAO's Brophy Award** for outstanding service. This prestigious award will be presented at the next AAO Annual Session in Atlanta. Bob served in many capacities for his state and regional orthodontic societies as well as our national association, perhaps most notably as editor of this *MASO Journal* up until the time of his passing. This *Journal* issue is dedicated to Bob and his service to family, community, and profession.

The loss of Bob has made me stop, reflect and be even more thankful to be a part of this wonderful profession and for all of you, my friends, and colleagues. It continues to be a distinct pleasure to serve as your Trustee. Please contact me with any questions, concerns, or suggestions you may have. I value your input. ■

# AWARDS

This 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 been associated with orthodontic research or been a staff member or consultant on a hospital staff. This Award will be presented posthumously to **Dr. Robert Williams** at the 2019 MASO Annual Session in Ft. Lauderdale.

## LIFETIME ACHIEVEMENT AWARD Dr. Robert Williams



In a unanimous decision of the MASO Board on June 5, **Dr. Robert Williams** was named recipient of the Lifetime Achievement Award for 2019. It is with regret that this award will be presented posthumously at the 2019 MASO Annual Session at the Marriott Harbor Beach Resort in Ft. Lauderdale, Florida, instead of a personal presentation to Bob in front of the entire MASO congregation.

This *Journal* was Bob's baby; and this issue is dedicated to

his memory. In the past 20 years since Bob has had a hand in guiding MASO, first as a director then as *Journal* editor for the past 13 years, his wisdom and leadership have been recognized by MASO Presidents and Board members alike, and his opinions were highly regarded when difficult decisions needed to be made.

Bob led a full life that included family, volunteerism, teaching and orthodontic practice. It is only fitting that he was active in all aspects of his life. MASO will miss Dr. Bob Williams for all his many contributions. Rest in peace, dear friend, for your Lifetime of Achievements. ■

The Kress Resident Research Award consists of a plaque, a check in the amount of \$1,000, complimentary registration to the Annual Session, three nights' accommodations, and 30-day advance coach airfare to the site of the annual session.

The award will be presented during the MASO Member/Business Meeting at our Annual Session from 7:30 – 8:15 AM on Saturday, September 14, 2019 at the Marriott Harbor Beach Resort and Spa in Ft. Lauderdale, Florida.

## KRESS RESIDENT RESEARCH AWARD Dr. Samaneh Mojarrad



MASO is pleased to announce that **Dr. Samaneh Mojarrad** of the University of Pennsylvania is the 2019 winner of the Kress Resident Research Award. The MASO Education and Research Committee selected her thesis, entitled "*Effect of Expansive Force on Mesenchymal Stem Cells Isolated from the Mid-Palatal Suture,*" as the most outstanding paper.

### Effect of Expansive Force on Mesenchymal Stem Cells Isolated from the Mid-Palatal Suture of Mice

#### Abstract

Understanding the mechanisms by which craniofacial sutures respond to mechanical force is essential for improving orthodontic treatment strategies. However, the innate ability to regenerate bone from calvarial stem cells is still unknown. Therefore, we have initiated a study to isolate cells from the mid-palatal suture of mice. The aim of our study is to evaluate mesenchymal stem cell (MSC) characteristics of cells isolated from the mid-palatal suture and their ability for osteogenic differentiation when subjected to cyclic tensile force *in vitro*. A total of 10, 6-week old male C57BL/6 mice were used to

obtain mid-palatal suture cells. Cultured cells were evaluated for MSC markers using flow cytometry and their potential for multi-lineage differentiation was evaluated using Alizarin Red S, Oil Red O, and Toluidine Blue staining. Cultured cells were subjected to cyclic tensile force with 15% elongation and a frequency of 0.5 Hz for 2 hours on the Flexcell-FX5000 tension system. Both stretched and control cells were cultured in osteogenic medium and the effect of tensile force on osteogenic differentiation was evaluated using Western Blot analysis and Alizarin Red S staining. Our results showed that mid-palatal suture cells formed colony-forming-units (CFU-F), expressed MSC-markers CD73, CD90, CD105, and Sca-1, and were negative for hematopoietic markers CD34 and CD45. In addition, these cells showed multi-lineage differentiation to osteogenic, chondrogenic, and adipogenic cell lines. Western blot analysis showed an upregulation in expression of osteoblastic markers, including ALP, OCN, and RUNX2 in the stretch group compared to control, which was confirmed by a marked increase in extracellular matrix deposit in the stretched group using Alizarin Red S staining. In summary, our findings show that cells isolated from the mid-palatal suture of mice have MSC characteristics *in vitro* and that cyclic mechanical tensile strain can promote osteogenic differentiation through an upregulation of osteogenic markers and an increase in production of mineralized matrix. ■



## CBCT EVALUATION OF THE DENTAL EFFECTS OF BONE-TISSUE SUPPORTED RAPID PALATAL EXPANSION ON THE TRANSVERSE DIMENSION OF THE MAXILLA

**Authors/Institutions:** Reem Abdulrahman, DMD, Vanessa A. Morenzi, DMD, Alan J. Borislow, Maxwell S. Fogel. Einstein Medical Center Philadelphia, Department of Dental Medicine, Division of Orthodontics; Marianna Evans, DMD, private practice, Newtown Square, Pennsylvania.

**Introduction:** The main objective of rapid maxillary expansion (RME) is to correct a maxillary transverse deficiency by means of skeletal expansion. The appliance types used in maxillary palatal expansion can be tooth-borne expanders (i.e.; Hyrax expander or bonded expanders), tooth-tissue borne expanders (i.e.; Haas expanders), or bone-tissue borne expanders (i.e.; Temporary Anchorage Device (TAD) supported expanders). The applied RME forces will act on the anchor teeth, support tissue or TAD, until a sufficient threshold is surpassed whereby orthopedic expansion occurs.

**Objectives:** The purpose of this retrospective CBCT study of skeletally mature individuals is to test the hypothesis that bone-tissue borne maxillary palatal expanders, using four TADs, results in no dental effects in the transverse plane when compared to the usual dental effects seen in the transverse plane with the use traditional tooth-borne expanders (bonded expanders and hyrax expanders) as evaluated via analysis of CBCT data.

**Methods:** 27 patients (7 males and 20 females) with a mean skeletal age of 15.4 years, ranging from 11 to 18 years of age as determined by the hand-wrist method described by Greulich and Pyle<sup>1</sup>, were included in this study. The subjects had a CVM of 4 or 5. The bone-borne maxillary expander used in this study was TAD-and-tissue supported and used four TADs, which were placed along the palatal slopes between the roots of the upper 1st and 2nd premolars, and between the 2nd premolars and 1st molars, attached to acrylic pads, which did not touch the teeth nor approximate the gingival margins. Transverse skeletal and dental effects were evaluated using before and after CBCT data. The

transverse skeletal data was measured at the maxillary skeletal base and the dental data was taken at the buccal height of contour of the crowns of the first premolars, second premolars, and first molars. The transverse linear maxillary skeletal width changes, comparison of the dental width before and after expansion, were evaluated. The dental effects produced from the study's bone-tissue borne maxillary expander were compared to published dental effects produced by tooth-borne maxillary expanders.

**Results:** The null hypotheses was that maxillary skeletal width changes and dental width changes are equal. To test the hypothesis that the skeletal expansion and the dental expansion changes were equal, a dependent paired t-test was performed. Statistical significance was predetermined at  $P < 0.0001$  and clinical significance was predetermined at 2mm. At all three levels measured (first molar 0.517mm, second premolar 0.982mm and first premolar 0.979mm), statistical analysis showed that the mean difference was statistically significant with a P value of greater than .0001. This suggested evidence against our null hypothesis which was that the maxillary skeletal width changes and dental width changes are equal. Yet with our clinical significance set at 2mm, which is the outer limit of the envelope of transverse discrepancy correction with orthodontics alone, all mean differences in dental changes compared to skeletal changes were not clinically significant. In skeletally mature individuals, bone-tissue borne maxillary expanders using four TADs resulted primarily in skeletal expansion with clinically insignificant dental changes exhibited.

**Conclusions:** 1) In skeletally mature individuals, bone-tissue borne maxillary expanders, using four TADs, resulted primarily in skeletal expansion with clinically insignificant dental changes. 2) In skeletally mature individuals, when rapid maxillary expansion is indicated to obtain skeletal expansion with minimal dental changes, a bone-tissue borne expander using four TADs is indicated. 3) The symmetrical dental changes noted were less than 1mm. This results in less than 0.5mm of dental width changes bilaterally.

## MECHANICAL PROPERTIES OF ELASTIC THREAD FORCE SYSTEMS IN CANINE EXPOSURES AND APPLICATION OF FORCE

**Authors/Institutions:** A. Campoli, C. Doumit, J. Godel, Temple University, Pennsylvania, USA; S. Jefferies, Uppsala University, Uppsala, Sweden

**Objectives:** To investigate differences in the modulus of elasticity, tensile strength, and load at breakage for elastic thread alone and elastic thread with gold chain in combination used in force application of palatally impacted and exposed maxillary canines.

**Methods:** An orthodontic elastic thread group (Group 1) and a gold chain with orthodontic elastic thread group (Group 2) were examined with  $n=6$  assemblies in each group. An Instron with a set ramp speed was used for all testing. In group 1, a circular portion of elastic thread was cut, tied, measured to the nearest hundredth of a millimeter and recorded. Group 2, the gold chain was cut to equal five complete links and a circular portion of elastic thread was cut and tied to the fifth link of the gold chain opposite the bondable eyelet. The length of the total apparatus (base of the gold chain to the length of elastic) as well as length of the elastic thread alone were measured to the nearest hundredth of a millimeter and recorded.

**Results:** The addition of the gold chain, when compared to the elastic thread alone, increased the modulus from 8.8 MPa (SD 3.7) to 17.0 MPa (SD 5.03), ( $p < 0.04$ ) and significantly decreased the maximum tensile stress at breakage from 92.1N (SD 5.0) to 84.1N (SD 1.6), ( $p < 0.004$ ) and the tensile stress at maximum load from 107.8N (SD 6.7) to 93.8N (SD 4.8), ( $p < 0.002$ ). The addition of the gold chain introduced a rigid element by reducing the length of the elastic thread by one-half, altering the properties of the assembly. The stress-strain curve for both groups partially obeyed Hooke's Law by demonstrating an initial linear behavior followed by the non-linear behavior which is due to the inherent nature of the elastic thread.

**Conclusions:** The modulus of elasticity (stiffness) increases and the toughness and resiliency decreases when a gold chain is added to the assembly and compared to elastic thread alone. This could indicate that in the gold chain group, more initial force/strain is delivered to the tooth and there is less stress relaxation over time due to the decrease in the amount of elastic thread. Therefore, the elastic thread alone delivers a more constant and continuous force to the tooth. The use of elastic thread alone may provide a biomechanically more efficient approach to orthodontic movement of impacted and open exposed teeth. ■

## THE IMPACT OF TRANSVERSE DIMENSIONAL CHANGE ON DENTAL-SKELETAL RELATIONSHIP

Dr. Kensuke Matsumoto



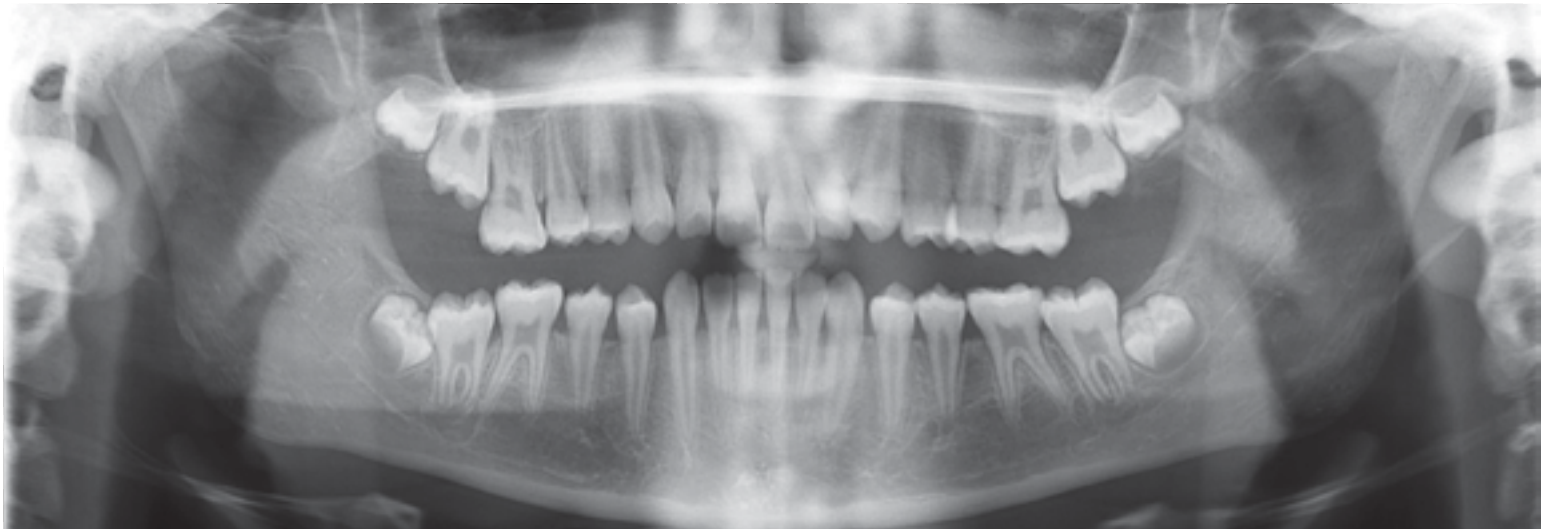
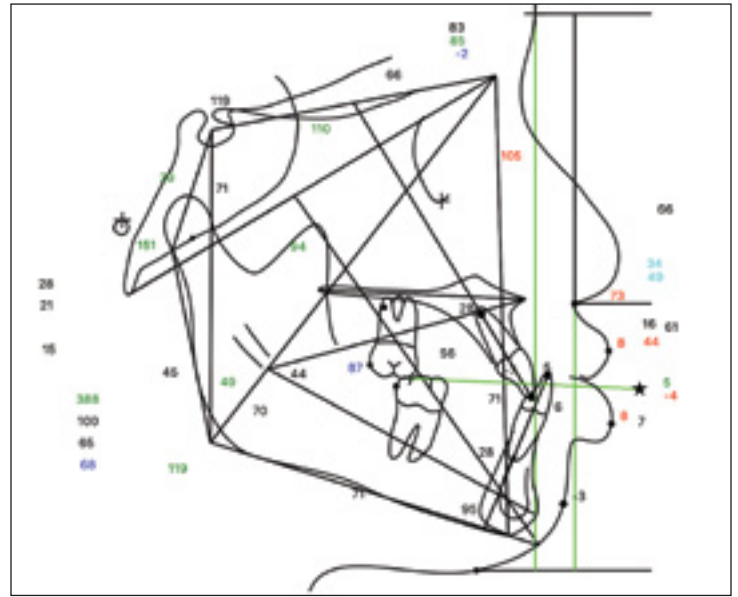
**Subject:** - 12.8 year-old African American adolescent

### Chief complaints:

- The father mentioned, "My daughter needs jaw surgery," and the daughter added, "I just want normal straight teeth."



Fig. 1: Initial



**Diagnosis:**

- Brachyfacial; short lower third of the face; acute nasolabial angle; excessive width of buccal corridors; deficient display of upper incisors upon smiling.
- Normal maxilla in the anterior-posterior dimension; prognathic mandible; constricted maxilla: 8mm (according to the Andrews analysis); normal mandibular plane angle.
- Class III canine and molar relationships, edge-to-edge incisal relationships in centric relation and -4mm overjets with 5mm overbite in centric occlusion (3mm CO/CR discrepancy); normal upper and lower incisor inclinations; maxillary and mandibular arch perimeter excess.

**Treatment Plan:**

- TAD-supported rapid palatal expander (RPE).
- Downward and backward rotation of the mandible due to downward and forward movement of the maxilla as a result of orthopedic expansion.
- Mesialize maxillary molars, maintain maxillary incisal inclination and position.

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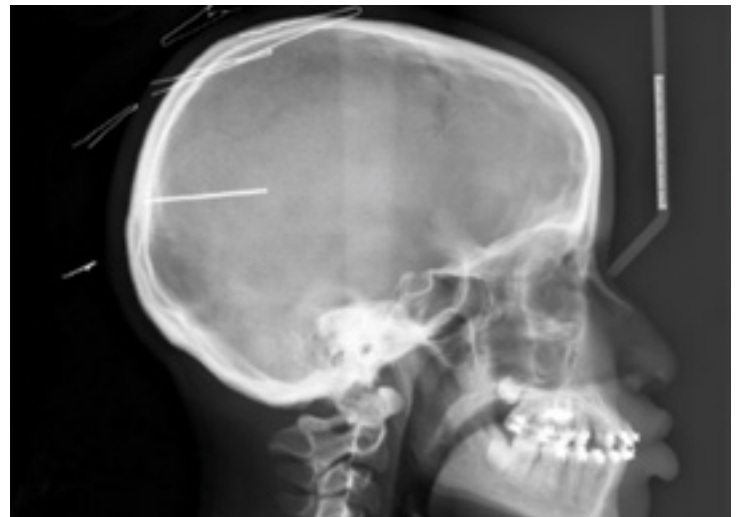
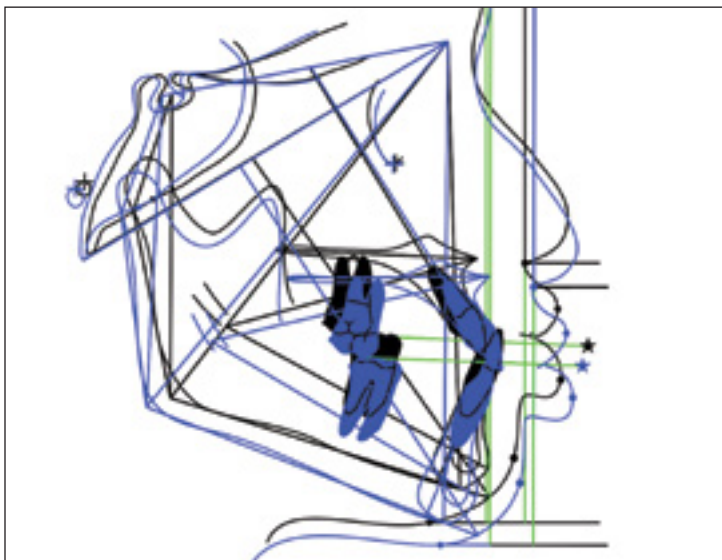
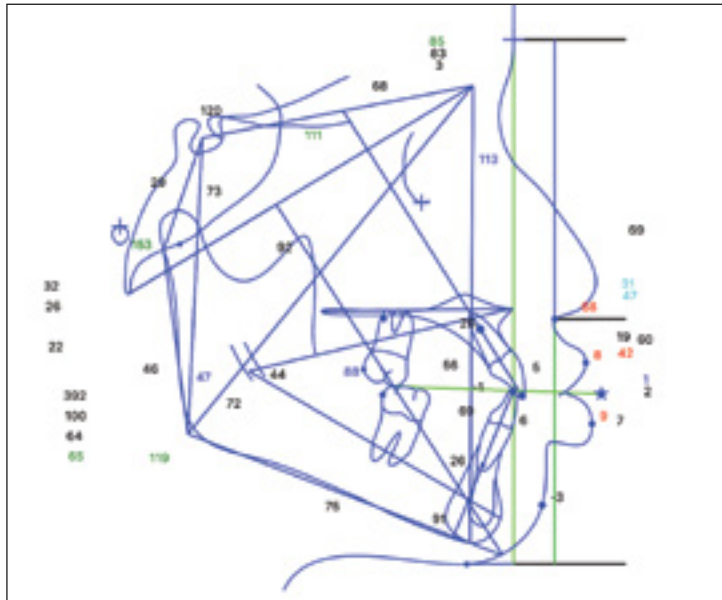


Fig. 2: Post-Expansion



Fig. 3: Space Closure

## CASE REPORT

CONTINUED FROM PAGE 9

- Retract mandibular incisors with moderate anchorage.
- Retention: Upper Hawley retainer and L3-3 fixed retainer.

### Treatment Progress and Results:

- 9 mm skeletal expansion was achieved with two expanders. Leveling and alignment was achieved with 0.014", 0.018", 0.020"x0.020", and 0.019"x0.025" nickel titanium archwires on the upper and lower dental arches over a 6-month period of treatment.
- Excessive spaces were closed utilizing power chains and Class III elastics. The final archwires were .021"x.025" stainless steel (SS) on the upper dental arch and .019"x.025" SS on the lower dental arch.
- Treatment was completed in 42 months.

### Discussion:

Transverse deficiency in skeletally immature patients is treated with different types of expander such as hyrax, Haas, and bonded RPE. According to the literature, with Haas RPE treatment in children. SNA increased 0.35° and ANB increased 1.00°; palatal plane moved downward and rotated backward; the mandibular

plane angle (MP-SN) increased 1.72°; and the inclination of the maxillary and mandibular incisors did not change significantly after RPE.<sup>1</sup> Haas and Davis reported similar results.<sup>2,3</sup> In order to avoid undesirable periodontal consequences for this skeletally mature patient, a TAD-supported RPE was considered the treatment of choice. The final records reveal that SNA increased 2.6°, SNB decreased 2.1°, ANB increased 4.6°, Wits appraisal increased 5.5 mm, MP-SN increased 3.8°, IMPA decreased 3.9 and U1-SN had no change. The maxilla was displaced forward and downward; the palatal plane moved backward; and the mandible rotated downward and backward. It is noteworthy that the amount of forward and downward growth in this case was higher than previous reports. All spaces were closed with fixed appliances and orthodontic treatment was completed to a satisfactory outcome without the need for orthognathic surgery.

### References:

1. Chung C-H, Font B. Skeletal and dental changes in the sagittal, vertical, and transverse dimensions after rapid palatal expansion. *Am J Orthod Dentofacial Orthop.* 2004;126:569-575.
2. Haas AJ. Rapid expansion of the maxillary dental arch and nasal cavity by opening the midpalatal suture. *Angle Orthod* 1961;31:73-90.
3. Davis WM, Kronman JH. Anatomical changes induced by splitting the midpalatal suture. *Angle Orthod* 1969;39:126-32. ■

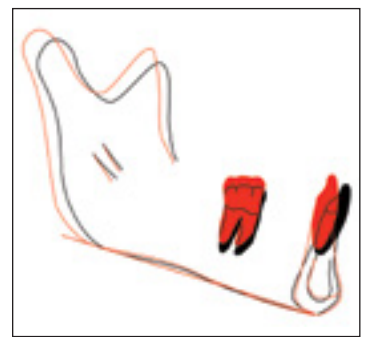
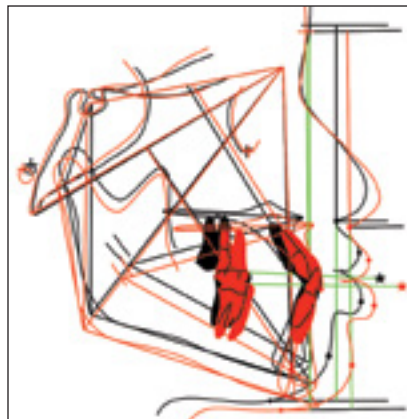


Fig. 4: Final

## MULTIDISCIPLINARY TREATMENT: THE ORTHO/PERIO/PROSTHETIC CONTINUUM



Fig.1: Advanced periodontal disease. Proclination of incisors secondary to loss of posterior teeth and primary occlusal trauma.

The orthodontic management of the severely periodontally compromised patient requires the coordinated efforts of the orthodontist, periodontist, and restorative dentist. Reduced levels of periodontal attachment create poor crown to root ratios resulting in increased tooth mobility.

The maintenance of the remaining periodontal attachment apparatus requires treatment of the inflammatory aspect of the periodontal disease as well as the direction of occlusal forces.

Off-axis forces, because they produce increased amounts of horizontal force, must be strictly controlled to lessen the tipping action transmitted to the teeth in light of their reduced periodontal support. To this end, modification of coronal cusp form often times is required. The guiding inclines of the posterior teeth must be reduced in order to direct the guidance of the mandibular movement to the anterior portion of the mouth where it is better tolerated away from the power musculature.

By the nature of their anatomic form, anterior teeth are not well suited to support the vertical dimension. With an intact dentition and optimally inclined anterior teeth, the horizontal component of forces requires light centric contacts compared to posterior teeth. However as the number of posterior teeth is reduced (mutilated dentition), particularly when these teeth have reduced levels of periodontal attachment, the amount of effective

horizontal force on the anterior teeth is increased. This force application can cause flaring of the anterior teeth along with a loss of vertical dimension [fig 2-3]. Changing the shape of the lingual surfaces of the upper anterior teeth with horizontal platforms allows them to better tolerate this force application. Horizontal platforms absorb force in a more vertical direction and the periodontal ligament becomes capable of supporting the force rather than moving away from it. Anterior teeth can then contribute to the support of the occlusal vertical dimension. Depending upon the periodontal status of the upper anterior teeth as well as the presence of primary occlusal trauma, splinting of these teeth may be required to stabilize the vertical dimension. Furthermore, the concept of modifying the palatal surface of anterior teeth to include platforms helps to create anterior guidance in the Class II Division One patient that cannot be fully corrected orthodontically.

### Conclusion

For the periodontally compromised patient, the quantity and quality of the remaining periodontal attachment apparatus will govern the anatomic form of the remaining teeth. Tooth alignment within the alveolus, management of overbite/overjet relationships, and manipulation of tooth and cuspal form are all required to minimize detrimental horizontal force application to the periodontally compromised dentition. ■

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# CASE REPORT

CASE REPORT CONTINUED FROM PAGE 11



Fig. 2: Increased overbite and flaring of incisors following loss of posterior teeth.

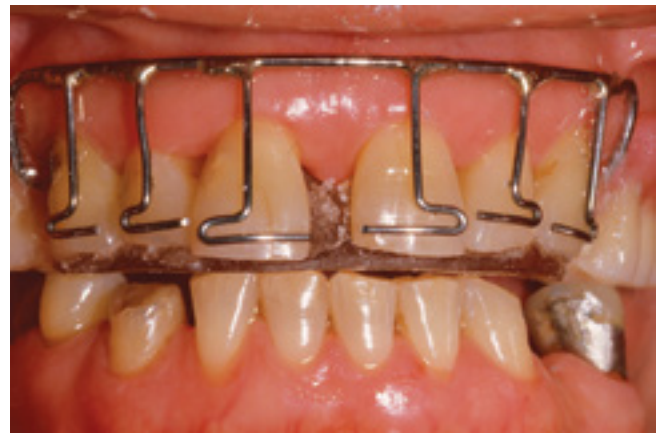


Fig.3: High labial Hawley bite plane.



Fig. 4: Retraction of upper incisors with removable appliance and edgewise appliances to retract the lower incisors.



Fig.5: Splinting of anterior teeth with provisional restoration which has a palatal horizontal platform.

Fig 6: Pre-treatment and post-treatment.

## Orthodontic “Tip of the Day”

**Dr. Paul Batastini, Cherry Hill, N.J.**

Increasingly orthodontists are relying on temporary and/or intermediate restorative materials to enhance the aesthetics and quality of the orthodontic outcome. A form letter clarifies the intent with the patient and general dentist. The following examples demonstrate the “tip of the day.” ■

### Batastini Orthodontics

#### TOOTH AUGMENTATION (ENLARGEMENT OR RESHAPING) DURING ORTHODONTICS

There are patients whose teeth are not properly sized or shaped to allow the appropriate fit or space closure requisite to a nicely treated orthodontic case. We have tried having the patient return to their family dentist's office to have the teeth enlarged using a tooth colored build-up material. Sometimes the dentist needs the bracket removed, and usually they need the wire removed for the procedure. This necessitates a return trip to our office for rebonding and/or replacement of the wire. As we progress to needing more space, this might require further trips and represent a greater inconvenience to the patient.

For this reason we have begun doing this service in conjunction with our orthodontic treatment. We do it with orthodontic resins and we want everyone to know that the procedure is not intended to be permanent. Further, it makes it easier for us to establish the size that helps us with the orthodontic result. We do no charge for this service beyond our already established orthodontic fee.

The materials we use are not as color stable as those used in a restorative office, nor are they as durable. Moreover, the conditions under which we deliver this service are such that we do not represent this to be replacement for what the patient will eventually need as a permanent solution to the problem of irregular size or shape. The procedure is completely reversible and renders no harm to the surface of the tooth.

This lets us provide the size and shape we feel necessary to complete the treatment. And it conveniently provides the patient a very aesthetic temporary measure during treatment.

OUR SUGGESTION IS THAT THESE BE REPLACED WITH PORCELAIN LAMINATES WHEN THE PATIENT'S FAMILY DENTIST AGREES WITH THE PATIENT THAT THIS SHOULD BE DONE.

\_\_\_\_\_  
Patient Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Responsible Party Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date

Example 1: Form Letter



Example 2: Worn incisor



Example 2:

- Improved relationship of gingival margins following intrusion of tooth #9
- Restored incisal third of tooth #9 with temporary composite resin



Example 3: Peg-shaped lateral incisor



Example 3: Restored lateral incisor by orthodontist

## 2019 GLAO/MASO Annual Session

**JOIN US IN BEAUTIFUL FLORIDA!**  
**September 12-15, 2019**

The Great Lakes Association of Orthodontists (GLAO) and Middle Atlantic Society of Orthodontists (MASO), invite you to the 2019 GLAO/MASO Annual Session, **“Sun, Sand, and Smiles,” September 12-15, 2019**. Treat your staff and bring your entire family! There are so many reasons to attend:

- The host hotel, the **Fort Lauderdale Marriott Harbor Beach Resort and Spa**, offers a quarter-mile stretch of pristine private beach, yet close to shops, dining, and nightlife.
- When reserving your guest room through our **GLAO/MASO** room block (while they last), you will receive a great rate (\$149+/night) and the resort amenity package fee will be waived (a \$35/day value).
- The **hotel’s resort amenity package** includes resort-wide, high-speed wireless internet access, daily beach umbrellas, fitness classes, daily rental of non-motorized water sport equipment, tennis court use and other amenities. Discounted rates at the spa are also available.
- The Fort Lauderdale Marriott Harbor Beach Resort and Spa has a **Surf Club for children ages 5-12**. While you are in continuing education sessions, the children will be having lots of fun!
- An **outstanding educational program has been developed for both DOCTORS and STAFF**. Speakers include: **Dr. Doug Depew** (providing a hands-on, interactive experience for staff), **Mr. Craig Feinberg, Dr. Christian Groth, Dr. Mark Hans, Dr. Neal Kravitz, Mr. Steve McEvoy, and Dr. J. Martin Palomo**. Learn more about these



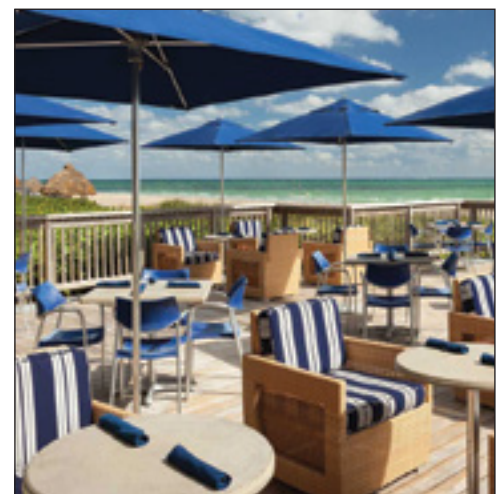
exceptional speakers and their presentations at the MASO website, [www.MASO.org](http://www.MASO.org).

- An **Exhibit Hall** will be available on Friday, Saturday, and Sunday, featuring the latest state-of-the-art products and services. Doctors and staff are encouraged to take advantage of this opportunity to meet with company representatives and purchase products in a fun-filled, relaxed environment where you will receive **personalized attention**.
- Social networking events include a complimentary **Welcome Reception** on Friday evening, a **Beach Barbecue** on Saturday night and a Fun Run/Walk on Saturday morning. An **afternoon of golf** can be yours at the Jacaranda Golf Club, 13 miles from the Marriott, where tee times are available starting at 1:57 p.m. on Thursday, September 12. MASO members will compete for the prestigious MASO Cup. Please contact **Dr. Normand Boucher** if you have a preferred foursome arrangement. Or, if you prefer to stay at the resort, afternoons are yours to enjoy the Sun, Sand and Smiles!
- Resort casual attire is suggested for all events – leave your ties at home!

Register online today at [www.MASO.org](http://www.MASO.org) and bring your staff and family to join your colleagues September 12-15 at The Fort Lauderdale Marriott Harbor Beach Resort and Spa.

Thank you to the outstanding committee members from MASO and GLAO who have pulled this program together: MASO’s committee consists of **Dr. Russell Sandman**, President and Annual Session Co-chair; **Dr. Jean Asmar**, Sponsor/Exhibitor co-chair; and **Dr. Rene Johe**, Speaker Co-chair.

You are in store for a fantastic program and exhibit hall! We look forward to seeing you there! ■





## 2019 MASO Spring CE Event

During the MASO CE Event on March 1, 2019 at the Union League of Philadelphia, Dr. Brandon Owen delivered a lecture titled “3D Printing: Indirect Bonding, Aligners, Night Guards and more.” Dr. Owen received the inaugural AAO Ortho Innovator Award at the Annual Session in Los Angeles in recognition of a custom digital bracket system designed for production in the orthodontic office.

At the event, more than 120 attendees also heard a presentation from **Dr. Patrick Cuozzo** titled “Elevate Your Experience: CE2= Control, Efficiency, Effectiveness.” Mr. Scott Burks, a practice consultant, delivered a spirited talk titled “Marketing and

*Today’s Orthodontist: How to effectively tell your story and grow your practice in three easy steps!”* Six CE credits were awarded for the three presentations.

Many thanks to our CE Event sponsors: **3M**, **envisionTEC**, **Orchestrate**, and **FishHouse Creative**.

Mark your calendars now for the 2020 MASO CE Event on March 13, 2020 at the Hotel DuPont in Wilmington, Delaware, where another invigorating CE program will take place. On March 14, there will be a meeting of the MASO Board and the AAO Ad-Interim Delegation. ■

Left:  
Speaker Scott Burks



Center:  
Speaker Brandon Owen



Right:  
Speaker Patrick Cuozzo



Left:  
President Sandman  
and Speaker  
Brandon Owen



Right:  
Maryland  
Orthodontists



Below:  
Attendees



## AAO COUNCIL REPORTS



### COUNCIL ON COMMUNICATIONS

**Dr. Jean McGill**  
[jsmcgilldds@aol.com](mailto:jsmcgilldds@aol.com)

The Consumer Awareness Program (CAP) continued to crush our goals for FY2019. The program amassed over 1.2 billion impressions. This means that AAO ads were seen by users over 1.2 billion times. We set a goal of 5 million views for our newly redesigned website and had 7.3 million page views. During the past year, we reached over 100 million unique consumers and our ads have appeared in over 9.7 million search results for a variety of orthodontic topics.

We continue to reach consumers through a wide variety of digital platforms. This year, our ads appeared on Facebook/Instagram, Snapchat, Google search and display, YouTube, AdRoll and Buzzfeed. Did you know that 75% of all Americans perform online searches for healthcare related topics? Adult orthodontic patients often research long and hard before they embark on their treatment journey. They search not only for hard data but many search for reviews. Recent Google research indicates that some adults take years before they initiate treatment.

Our website has become a trusted and key resource for online searches. Our consumer website was redesigned and relaunched during the fall of 2018. This redesign has greatly improved customer experience. This is measured via decreased bounce rates and an increase in time spent on the site and an increase in page views. We are constantly improving the site and adding new content to our blog. These improvements have also led to an increase in organic (unpaid) visits to our site. Our Parent's Guide to Orthodontics is a huge draw to our site. In addition to our website, you may have seen some of our informational alerts. We recently put out a consumer alert on the dangers of using at home aligners. Our goal is to become "THE" source for orthodontic information online.

Another goal of the Council on Communications is to better inform our members. We have not only redesigned our member website but have started to provide updates to our members via private orthodontic Facebook groups. Group administrators have graciously allowed us to share "breaking news" with our members which allows us to reach many members quickly when needed. We continue to search for better ways to keep you informed. Please feel free to reach out to me directly with comments, concerns or suggestions. ■

### COMMITTEE ON INSURANCE

**Dr. Boucher** and **Dr. Hestler** have completed their terms on this committee. With the new AAO Growth and Transformation Department, it remains to be determined what could be done by AAO staff and

how it may affect the committee. There have been no definitive organizational changes at this time. No new COI appointments will be made pending an investigation into the relationship of COI, AAOIC and AAOSI with a report back to the Board in August. Our Trustee will certainly keep you informed related to this matter. ■



### COUNCIL ON MEMBERSHIP, ETHICS & JUDICIAL CONCERNS

**Dr. Luis Toro**  
[drlatoro@gmail.com](mailto:drlatoro@gmail.com)

The Council on Membership, Judicial, and Ethical Concerns

(COMJEC) met in St. Louis at AAO Headquarters on January 11 and had a conference call on April 2. The following summarizes the essential AAO membership takeaway information:

- **Overall:** Total AAO membership is now at 19,332, a net increase of 377 members since

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## AAO COUNCIL REPORTS

**COUNCIL ON MEMBERSHIP, ETHICS & JUDICIAL CONCERNS**

CONTINUED FROM PAGE 16

last year. The primary driver of this growth is from new International Student Members (net increase of 207) and Retired Members (net increase of 133). Neither of these groups have a significant impact on dues revenue. Total member retention improved from 93.1% to 93.4%.

- **Active:** Active membership (U.S. and Canada) is now at 8,279; a net increase of 23 since last year. A total of 147 former members were reinstated as Active Members; up from 115 last year. Active Member retention improved from 97.1% to 97.5%.
- **Life Active:** Life Active membership is now at 1,332; a net decrease of 4 since last year. Life Active retention improved from 95.3% to 96.4%.
- **Student:** Student membership is now at 1,519; a net increase of 60 since last year. Student Member retention declined from 96.1% to 94.9%.
- **International:** International membership is now at 2,883; a net decrease of 40 since last year. This decrease was due to a combination of declining international member retention (90.3% to 88.9%) and fewer new members joining and former members rejoining (223 down from 253).
- **International Student:** International Student membership is now at 1,271; a net increase of 207 since last year. International Student retention declined from 53.4% to 51.1%.

After experiencing a decline in 2018, total membership increased in 2019 to its highest total on record. This is the second consecutive year we have seen a year-over-year increase in Active Member retention. Since reaching its highest total in 2011, the number of Active Members has remained between 8,200 and 8,300.

The total number of Student Members has grown by 21.5% since 2013 (1,193 to 1,519). There are now more female Student Members than male (51% to 49% respectively).

International membership dropped for the first time since 2008. International Member retention dropped below 90% for the first time since 2002.

The following is the complete list of COMJEC's adopted and referred resolutions from the 2019 House of Delegates:

- Adopted:
  - ◆ **Amendment to Policy-Dues and Assessments – Financial Policy (13-19 COMJEC)** - Life Active member dues and assessment increased from 50% to 60% valid for the fiscal year 2019-20 on forward.
  - ◆ **Amendment to Policy-Waivers-Financial Policy (14-19 RC)**
    - **Outcome 1:** added a “primary caregiver” waiver for members who significantly reduce practice time to care for a family member.
    - **Outcome 2:** the senior limited practice waiver was amended to eliminate the age requirement (available as an alternative to Life Members who practice part-time).
  - ◆ **Bylaws Amendment – International Members (27-19 BT)** - WFO membership is now a permanent requisite of AAO International Membership and International Student Membership (previously only required during the first year). International Members who completed an accredited orthodontic program are exempt from this requirement.
- Referred to COMJEC for further study:
  - ◆ **Canadian and International Membership Studies (39-19 DEL)** - COMEJC to study member values and desires of Canadian and International Members. ■

## AAO COUNCIL REPORTS



### COUNCIL ON NEW AND YOUNGER MEMBERS

Dr. Lauren Gray Wulc  
laurenggraydmd@gmail.com

This year, as in past years, has been busy and productive!

First, I'd like to welcome our newest members: CONYM Board Liaison and AAO President-Elect Dr. Christopher Roberts, Dr. Brandon Shoukri (GLAO representative from West Bloomfield, MI), Dr. Ashish Gurav (resident representative from Bronx-Lebanon Hospital Center), and Dr. Kaitrin Kramer (resident representative from Ohio State University). Also, special congratulations to our new council Chair, Dr. Trista Felty and Board of Trustee NYM Liaisons, Dr. Mariela Anderson and alternate Dr. Daniel Keith.

CONYM members convened for our annual face-to-face meeting on Thursday, January 24, 2019 at the annual AAO Winter Conference in Marco Island, Florida. At this meeting CONYM members planned to both continue to improve upon the projects described below, as well as brainstorm new and exciting initiatives for the future.

In the past year, CONYM members actively promoted membership and participation in the AAO and personally contacted new and younger orthodontists within their constituency who did not renew their AAO memberships. This outreach effort improved membership renewal and will hopefully continue to spark communication about member benefits and inspire member participation.

Members of CONYM also promoted the AAO through participation in events aimed at the education of possible future members. For example, Dr. Daniel Keith attended the 2018 GORP meeting in Ann Arbor, Michigan (August 2-5) to represent CONYM and promote AAO member benefits to new residents. The AAO has supported CONYM in improving our relevance at this event. A CONYM representative will be attending the 2019 GORP meeting in St. Louis. Also, CONYM member Dr. Chris DeLeon attended the 2019 American Student Dental Association (ASDA) Annual Session in Pittsburgh, Pennsylvania (February 27- March

2). Finally, along with members from other relevant AAO committees, CONYM participated in the ADEA Advanced Dental Ed eForum on January 30, 2019 from 8 p.m. to 10 p.m. EST. This forum was a live interactive event to educate interested residents and dentists on the application and matriculation process associated with advanced dental education programs.

At the 2019 AAO Annual Session, CONYM hosted two events. The New Orthodontist & Resident Conference event took place in the JW Marriott from 10:30-12:00 p.m. The theme was "Maximizing Office Experiences" and the event included TED-Talk-format presentations by two guest speakers, Anil Idiculla and Neal Kravitz. The narrative-style presentations highlighted the speakers' passion for administrative and clinical pearls. A gourmet coffee bar was sponsored by the AAOIC.

The second CONYM-hosted AAO event, the AAO Members/Leaders Roundtable, provided the opportunity for members to directly communicate their thoughts and suggestions to AAO and CONYM representatives. The event took place immediately after the New Orthodontist and Resident Conference. A roundtable format was used that included one or two AAO/CONYM representatives per table. Meals were provided through the sponsorship of the AAOIC.

CONYM members continue to publish articles relevant to the AAO. Drs. Felty and Wulc contributed for the Winter 2019 eBulletin. Drs. Donnell and White contributed the for Spring 2019 edition. The *eBulletin* will continue as a blog-style communication tool, using the new members' home page site. **Dr. Wulc** will act as the new editor.

Additionally, all CONYM members continue to serve on two committees. Each CONYM member contributes to his or her secondary committee by offering insights relevant to new and younger members. The relationships between CONYM members and their secondary committees have been well received.

Lastly, elected CONYM members continue to participate in BOT meetings. Of significance, these meetings addressed the dangers of DIY orthodontic products to consumers and the AAO response to this issue. ■

## AAO COUNCIL REPORTS



### COUNCIL ON ORTHODONTIC PRACTICE

Dr. Lara Minahan  
minahanl@hotmail.com

The next COOP F2F meeting is scheduled to take place on November 1-2, 2019, at AAO Headquarters in St. Louis.

Reports are as follows:

#### GENERAL

A sincere and heartbroken ‘Thank you’ and ‘We miss you’ goes to **Dr. Robert Williams**, our late and great *MASO Journal* Editor and mentor. Dr. Williams had effectively been woven into the fabric of our lives, both personal and professional; may we all aim to uphold his high standards and joy of life. Thank you and Rest in peace, Dr. Williams.

COOP once again welcomes our COOP chairman, Dr. Mel Collazo for a second term.

#### PRACTICE TRANSITION SEMINAR

The annual AAO Practice Transition Seminar was held on Friday, May 3, 2019 in Los Angeles and proved to be a great success! The following relevant speakers were engaging and forthright:

- Roger Hill/ Andrew Tucker (McGill & Hill Group) – *Preparing an exit strategy for normal and unexpected retirement*
- Chris Bentson/ Shannon Patterson (Bentson Copple & Assoc), Jason Wood (Wood & Delgado Dental Attorneys) – *Career opportunities & emerging practice trends panel discussion*
- Roger Hill (McGill & Hill Group) – *Traditional buying and selling arrangements*
- Chris Bentson/ Shannon Patterson (Bentson Copple & Assoc.) – *Arrangement options for associates, partners and group practices*
- Jason Wood (Wood & Delgado Dental Attorneys) – *Importance of contracts*

Ziegler Practice Transitions once again kindly sponsored the post-event networking reception. Stay tuned for the 2020 AAO Annual Transition Seminar agenda – suggestions are always welcome!

#### PRACTICE OPPORTUNITIES AND CAREERS PROGRAM (POC)

Excellent participation and increase in use of the POC program was seen these last six months; this confidential on-line program aims to match members searching for

associateships, partnerships, sales, etc. Approximately 3 times more job seekers are registered than are opportunities at this time. Exponential increases in website traffic may be attributed to the new accessible POC website launched in November 2018. Job posting upgrades are available, incorporating ZipRecruiter and the like; resume critique is offered if desired (the first one is free). In addition, member and non-member employers may now post orthodontic staff positions on the AAO Career Center. Check it out!

Another successful in-person AAO Orthodontic Career Fair did take place at the Annual Session on Sunday, May 5, 2019; for future reference, one may schedule interviews with prospective employers prior to the fair. In order to maintain fairness among employers, effective immediately, the AAO will implement a multi-tiered pricing structure for employer registration at the Annual Orthodontic Career Fair based on member and non-member employer categories, booth amenities, and promotional benefits.

#### AAO PRACTICE MANAGEMENT FORMS REVIEW

The Committee adopted subcommittee recommendations made to update/ modernize many highly utilized AAO forms such as informed consent, transfer forms, health history, etc.

#### EDUCATIONAL PROGRAM

A subcommittee has been established investigating the potential to create aligner and 3D printing videos, webinars, podcasts or the like, presented by the AAO.

#### ORTHODONTIC STAFF CLUB (OSC)

The OSC can boast an all-time high of >8060 members! Doctors are encouraged to promote the Specialized Orthodontic Assistant program as well as clarify the benefits of membership on-line (website access, fee discounts, and the like). *Another fun Orthodontic Staff Appreciation Week was observed June 3-7, 2019; Orthodontic Staff Facebook page proudly supports a range of relevant team questions and over 240 members. Please note the new AAO orthodontic Staff Achievement Award opportunity!*

#### AAO ORTHODONTIC STAFF ACHIEVEMENT AWARD

An AAO Orthodontic Staff Achievement Award shall be awarded at the Annual Session at a Staff program designated the Sharon Hunt Memorial Lecture by the current AAO President if the sponsoring entity declines to be on stage and present the award to the recipient. Nominee criteria:

- has raised the standard of orthodontic clinical practice and ethics, and/or the nominee has raised the standard of orthodontic practice management.

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## AAO COUNCIL REPORTS

## COUNCIL ON ORTHODONTIC PRACTICE

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- has made national and/or international significant contributions to the art and science of the practicing orthodontist or practice management.
- has maximized professionalism within the orthodontic specialty environment across his/her career.
- has increased the value of orthodontic team members to the orthodontic profession.
- is an orthodontic team member, but not an orthodontist.
- is an AAO Orthodontic Staff Club (OSC) member.

The award recipient will be provided with an award plus waived Annual Session registration, and up to \$2,500 in

travel funds to offset the expense of transportation, lodging and incidentals to attend the Annual Session. The winner will be announced during Orthodontic Staff Appreciation Week scheduled annually during the first week of June and will be presented their award at the AAO Excellence in Orthodontics Awards Luncheon any given year. For complete information: [aaoinfo.org/education/orthodontic-staff-achievement-award/](http://aaoinfo.org/education/orthodontic-staff-achievement-award/)

I welcome your outreach at anytime with any questions or comments that I may share with the Council throughout the year. Thank you to Barb Simon, Lauren Carr and Brandon Hackworth for their endless support at AAO Headquarters. May we continue to collaborate, grow together, and cherish every day! ■



## COUNCIL ON SCIENTIFIC AFFAIRS

Dr. Dina Stappert

DStappert@umaryland.edu

COSA held a meeting on May 3, 2019 at the AAO Annual Session. During Annual Session, COSA members judged 39 Charley

Schultz Resident Scholar presentations and 40 Table Clinic presentations. COSA members moderated 28 Oral Research presentations and the Hellman, Sicher, Graber lectures. 380 E-Posters were available for viewing during Annual Session.



The 2019 Charley Schultz Resident Scholar Award winners are: (from left to right): Dr. Karanth, Dr. Azami, Dr. Crouch, Dr. Zhang, Dr. Borth, Dr. Lanier Zaytoun, Dr. Orabi, and Dr. Larson.

## BASIC SCIENCE RESEARCH

1st place: Spencer Crouch – University of Michigan; Research titled: *Local vs. systemic effects of TNAP on osteoblast differentiation and bone formation*

2nd place: Niloufar Azami – University of Connecticut; Research titled: *The effects of Raloxifene on bone remodeling and orthodontic relapse*

3rd place: Divakar Karanth – University of Kentucky; Research titled: *Developing and evaluating scaffold for alveolar bone regeneration*

## CLINICAL RESEARCH

1st place: Noha Orabi – Case Western Reserve University; Research titled: *Pharyngeal airway volumetric changes after orthodontic extraction: a systematic review with meta-analysis*

2nd place: Mary Lanier Zaytoun – University of North Carolina - Chapel Hill; Research titled: *Machine learning algorithms: a new approach to the extraction decision*

3rd place: Mason Borth – University of Texas - Houston; Research titled: *Impact of resin composite type on Invisalign attachment wear*

3rd place: Boshi Zhang - University of California - Los Angeles; Research titled: *Objective and subjective airway improvement via treatment with maxillary skeletal expander*

The 2019 Joseph E. Johnson Clinical Award for Table Clinics winners are:



From left to right: Dr. Lathrop, Dr. Roy, Dr. Chartrand

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## AAO COUNCIL REPORTS

### COUNCIL ON SCIENTIFIC AFFAIRS

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Hillary Lathrop – University of North Carolina – Chapel Hill; Research title: *Orthognathic speech pathology: understanding how Class III jaw disharmonies influence speech*

Annie Roy – Université de Montréal; Research title: *Dental malocclusion among children with attention deficit and hyperactivity disorder (ADHD)*

Daniel Chartrand – Tri-Service Orthodontic Residency Program; Research title: *Change in mandibular incisor facial bone thickness following non-surgical Class II correction with a coil spring appliance*

Applications are being accepted for the 2020 Milo Hellman Research Award, the Harry Sicher Research Award and the Thomas M. Graber Awards of Special Merit. Applications for these awards can be found on the 2020 Annual Session website: [aaoinfo.org/meetings/event-page/annual-session-2020-atlanta-ga/hellman-sicher-graber-awards/](http://aaoinfo.org/meetings/event-page/annual-session-2020-atlanta-ga/hellman-sicher-graber-awards/). Only the online application will be accepted for these awards. The application deadline is October 1, 2019.

COSA will be accepting online applications to present Oral Research, Table Clinics and E-Posters at the 2020 AAO Annual Session starting the first week of August 2019. The application deadline is October 15, 2019.

COSA will be accepting online applications for the AAO Resident Scholar Award (formerly known as the Charley Schultz Resident Scholar Award) presentations at the 2020 AAO Annual Session starting the first week of December 2019. The first forty residents who apply for the program are accepted. The application deadline has been changed to February 1, 2020.

The 2019-2020 members of COSA are:

- Dr. Onur Kadioglu, chair (SWSO)
- Dr. Michael Duryea (RMSO)
- Dr. James Mah (PCSO)
- Dr. Steven Marshall (MSO)
- Dr. J. Martin Palomo (GLAO)
- Dr. Dr. Emile Rossouw (NESO)
- Dr. Dina Stappert** (MASO)
- Dr. Eser Tufekci (SAO)

Dr. Rolf Behrents (Trustee Liaison)

COSA's next meeting is January 10, 2020 via video conferencing. ■

### AAO Leadership Conference on Marco Island

Representatives of MASO and emerging leaders from MASO component organizations attended an informative Leadership Development Conference (LDC) on January 24 at the JW Marriott Hotel prior to the AAO Winter Conference.

The LDC covered topics on AAO Governance, Advocacy, Trends facing the AAO and the Specialty, Insurance Regulation, House of Delegates Overview, State Dental Boards, the Consumer Awareness Program, and Intergenerational Diversity and Leadership. ■



Pictured L to R: Jane Treiber, MASO Executive Director; Dr. Steven Siegel, MASO Trustee; Dr. Brandon Hagan (DC); Dr. Christopher Scott (MD); Dr. Jimmarie Ramos (PR); Dr. Ty Saini, MASO President Elect; Dr. Sana Augustus, MASO Director; Dr. Jennifer Morrison (NJ); Dr. Gordon Grossier (MD); Dr. Jake Orozco (PA); Dr. Lauren Gray Wulc (PA); and Dr. Brienne Flagg (DE)



**AAOF UPDATE**  
**Dr. Orhan Tuncay**  
[otuncay@dental.temple.edu](mailto:otuncay@dental.temple.edu)

## MASO BOARD REPORT

- We invite all AAO members to support the AAOF by making an annual donation at [aaof.aaoinfo.org/select-pledge](http://aaof.aaoinfo.org/select-pledge).
- The AAOF Awards Program deadline for 2020 applications will be Friday, November 15, 2019.
- The 2020 Jarabak Award winner is Dr. Greg Huang of PCSO.
- The ADORE Program launch was extremely successful at the 2019 AAO Annual Session.
- The Resident Gift Program was a huge success with over 800 residents supported by the foundation through this program in 2019.

## 2019 AAOF AWARDS PROGRAM UPDATE

The AAO Foundation received 57 award proposal applications requesting funding in 2019. The Planned Awards Review Committee (PARC) met in St. Louis in January of 2019 to review the applications that were submitted. The Board of Directors approved 33 applications for funding with 3 of those awarded for 2019 coming from MASO and providing \$70,000 of support. To see the list of all 2019 recipients, please visit [aaofoundation.net/awards-program/about-the-aaof-awards-program](http://aaofoundation.net/awards-program/about-the-aaof-awards-program).

## 2020 AAOF AWARDS PROGRAM

The award materials for 2020 will be posted on our website in July. The deadline will be Friday, November 15, 2019. If you have questions about the process, please contact the AAO Foundation Offices at 314-292-6546 or [jbode@aaortho.org](mailto:jbode@aaortho.org).

## 2020 JARABAK AWARD



Congratulations to Dr. Greg Huang who will be receiving the 2020 Jarabak Award in Atlanta, GA.

“The AAOF has supported so many orthodontists in the early parts of their academic careers, and I sincerely hope that they will continue to do so. It makes a huge difference knowing that the AAOF recognizes the importance of nurturing educators and researchers and is willing to invest in their success.”

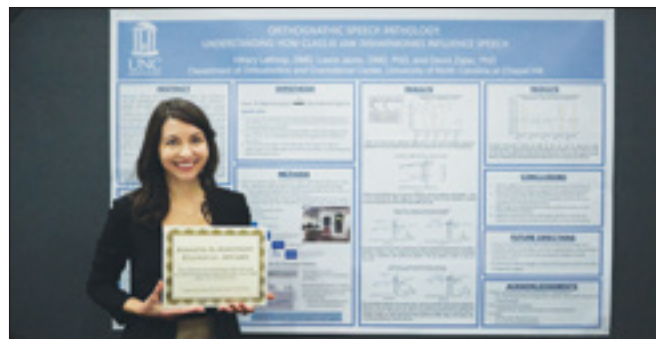
Congratulations, Dr. Huang! Very well deserved!

## UPDATE ON NEW INITIATIVES

The much-anticipated launch of the **Auxiliary Donations for Orthodontic Research and Education (ADORE) Program** occurred at the AAO Annual Session in Los Angeles.

Thank you to Rosemary Bray and the ADORE team for their dedication to this newest initiative of the AAO Foundation. ADORE has been created to allow for orthodontic team members to become more involved with the AAOF as well as support the orthodontic specialty by making a personal donation. Thank you for supporting the foundation’s mission to continue to advance this profession.

At the AAO Annual Session in Los Angeles, the **Resident Gift Program** was also launched for the first time. Through this effort, over 800 orthodontic residents will receive a one-time gift of \$400 to support their attendance at annual session. The AAOF believes in education and research and the annual session is a wonderful way for residents to be exposed to some of the best current orthodontic research and education that is available. Thank you to our donors who helped make this program possible. We’ve received several personal notes of thanks from the residents that have been impacted.



“I am so impressed with the energy behind AAOF this year! The stipend and the interactive survey at AAO were a truly brilliant way to engage residents at a time when we most need the assistance. More importantly, this gesture plants the seed for the critical tenant of our profession: a spirit of giving. I truly enjoyed meeting the incredible minds leading the AAOF and I am proud to become a contributing member.”

*Hillary E. Lathrop, D.M.D.  
 Orthodontic Resident  
 University of North Carolina at Chapel Hill*



“I would just like to say that the gift was incredibly generous contribution from the AAOF that facilitated transfer for countless residents across the country. I can speak to the fact that in previous years I’ve heard of students sadly not coming to the AAO due to financial reasons but believe this year we had one of the greatest turnouts due to this kind gift.”

*Greg Asatrian, D.D.S., M.S.  
 Orthodontic Resident  
 University of California, Los Angeles*

**REMEMBER THE AAO FOUNDATION IN YOUR CHARITABLE GIVING**

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## AAOF UPDATE

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To learn more about the AAO Foundation and how you can personally support this specialty by giving back to the AAOF, please visit our newly redesigned website, [aaofoundation.net](http://aaofoundation.net), like us on Facebook or follow us on Twitter. We will be sharing stories of those our foundation has impacted throughout the years as well as those who have chosen to give back to their profession by supporting the AAOF.

## FOR MORE INFORMATION

If you should have any questions or concerns, please call Jackie Bode, AAOF Executive Director, at 314-292-6546 or by email [jbode@aaortho.org](mailto:jbode@aaortho.org).

Also, we invite you to visit the AAOF booth at the MASO/GLAO Annual Session in Fort Lauderdale to meet Jackie Bode. ■



## ABO UPDATE

**Dr. Roberto Hernandez-Orsini**

[hernandez-orsini@americanboardortho.com](mailto:hernandez-orsini@americanboardortho.com)

The ABO conducted clinical examinations in February and September 2018 as well as February 2019. A total of 449 examinees were certified or re-certified during these examinations. A complete listing of newly certified or re-certified orthodontists by constituency can be found on the ABO website.

The first scenario-based oral clinical examination was successfully administered in February 2019 with a 68% pass rate. As a result, we have 10 new diplomats within our constituency. Traditional clinical examinations were also offered, by petition only, in February 2019. June 2019 will mark the final time case-based examinations will occur.

Response to the new examination format has been very positive. Examinees reported that the new examination process was well organized and conducted in a professional manner.

The next scenario-based oral clinical examination period is scheduled for November 2019. Registration for this date is full with a waiting list.

Registration for the 2020 examinations opened in May 2019, and the process was very successful. An additional exam has been added due to an anticipated increase in demand. Examinations will now be offered in February, July, and November 2020.

Preparation materials and online resources are available to assist in preparing for the scenario-based oral clinical examination including a study guide and sample cases. Orthodontic programs interested in hosting case-based board exams are welcome to contact ABO examiners to request a school visit. ABO advocates are available to visit orthodontic programs if requested. Prep courses for the examination will be offered at various times throughout the year in collaboration with the CDABO.

Once board certification is achieved, certification renewal is required every 10 years to remain in an Active status and may be taken no earlier than two years prior to the expiration date on your certificate. There are two options to re-certify (travel to St. Louis is NOT required):

- Complete two online Board case exams as provided by the Board and submit CE credits from online AJO-DO exams; or
- Submit one case treated by the examinee (see website for criteria) and submit CE credits from online AJO-DO examinations.

Additional details can be found on the ABO website. ■



## AAO HOUSE OF DELEGATES

**Dr. Luis Toro**

[drlatoro@gmail.com](mailto:drlatoro@gmail.com)

### MASO at the 2019 AAO House of Delegates

The AAO House of Delegates (HOD) reconvened on May 3 at the 2019 AAO Los Angeles annual session. MASO was very well represented by **Drs. Doug Hart, Lawrence Wang, Richa Dutta, Jean E. Asmar, Richard Albright, Russell Sandman** (MASO President), **Tarum “Ty” Saini** (Alt Delegate, MASO President Elect), and **Kathy Marshall** (Alt Delegate). Our delegates were always prepared and ready to contribute to the betterment of our association. **Ms. Jane**

**Treiber**, our executive director, and **Dr. Steven Siegel**, MASO trustee, completed our delegation.



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## AAO HOUSE OF DELEGATES

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The House of Delegates is the ultimate authority of the AAO in all matters, and it consists of AAO active members voted or selected by their constituent societies. Each constituency has an assigned number of delegates based on proportional representation of all AAO active members. This year, due to an increase in our number of members, MASO regained our 2018 lost delegate. Because we live and work in a representative democracy, I strongly encourage all our members to renew their AAO annual membership so we can keep our seven-member delegation.

### 2019 resolution highlights:

- **Special Committee for Women Orthodontists (26-19 RC)** – The AAO president will appoint a special committee for women orthodontists. The committee will work to support and inspire women orthodontists by helping to develop tools and pathways to leadership so that women have the opportunity to contribute in roles such as AAO trustees, delegates, and council members. This committee will identify obstacles that prevent women orthodontists from becoming involved in leadership positions, and will make recommendations to our current leaders. The committee will also encourage change in governance, communication, and recruitment that will help shape the future of AAO leadership to reflect the diversity of its membership. It will also strive to recognize the unique needs and issues that face women orthodontists and make recommendations to improve the value of membership in the AAO for all members. The special committee is required to present their first report to the Board of Trustees by February 15, 2020 and to the House of Delegates at each annual session.
- **Constituent Reorganization (25-19 SAO-SWSO)** - The AAO supports efforts at the constituent level to investigate governance and organizational changes that could increase efficiency, improve member involvement, and position the association to continue as the leading organization shaping the future of orthodontics and orthodontic patient care. This resolution was included in the non-bylaws consent agenda to adopt. Significant changes to our constituent governance, political, and financial structure are just around the corner. I strongly suggest that MASO keeps a proactive attitude and an open mind. All possibilities need to be considered and carefully studied.
- **Amendment to the Policy on CAP Assessment (03-19 RC)** – The AAO's Consumer Awareness Program (CAP) is our campaign working to raise awareness among consumers about the benefits of orthodontic treatment by orthodontists. The AAO CAP is a highly targeted digital program focused on reaching consumers researching orthodontic treatment online. AAO CAP ads were seen online by over 1.4 billion potential patients during 2018, resulting in thousands of impressions and website visits in every state, Canadian province and Puerto Rico. Once again, the CAP assessment was the hot topic of the 2019

HOD. The COC initially asked for a 100% increase in the CAP assessment, which would amount to \$1,200. Although HOD and BOT support a strong and vital CAP, the 100% increase was considered too steep and several alternatives were discussed. This included partly funding or completely moving the assessment into the AAO operating budget. This move would the assessment and fund the CAP from dues. This proposal will be considered by the 2020 Atlanta HOD.

None of the proposed alternatives passed the voting requirements of the 2019 HOD, so the 03-18 BT resolution will stand, and our 2019-20 assessment will increase to \$800.

**03-18 BT -RESOLVED that an assessment for all U.S. and Canadian active and affiliate members (active academic members excluded) be renewed at a rate of \$800 per member to continue the Consumer Awareness Program beginning in FY2019-2020 and continuing in FY2020-2021 and FY2021-2022.**

The 2018 HOD was able to keep the 2018-19 assessment at the \$600 level by using money made available after the sun setting of the Component CAP Grant.

- **The Legal, Legislative and Regulatory Priorities Directive (37-19 DEL (S1-NESO)** – The AAO will reassess and redirect its priorities for advocacy and financial expenditures toward state legal, legislative, and regulatory activity. This includes advocacy consolidation in Washington, D.C. through collaboration with other dental organizations and specialty organizations. The goal is to reexamine expenditures at the federal level, while maintaining federal advocacy priorities and service levels, and to develop and increase a state and regional advocacy system.
- **Amendment to Policy-Dues and Assessments – Financial Policy (13-19 COMJEC)** – The Life-active members' dues and assessments were raised from 50% to 60%.
- **Commission of the Futurist Study (19-19 COOP (S2-BT)** – The AAO will commission and fund a study to project the future of the orthodontic profession. A progress report is due February 15, 2020, to the House of Delegates.
- **Component Legal Support Fund (24-19 SAO)** – The Component Legal Support Fund was replenished to the original amount of \$1 million. The AAO is fully committed to helping its components. As they say, "All politics are local."
- **Amendment to Policy-Waivers-Financial Policy (14-19 COMJEC (S1-MSO)** – Members may apply for a waiver of dues and/or assessments for the following reasons:
  - ◆ A member who has an immediate family member such as a parent, spouse, child or sibling, who requires the member to be the primary caregiver, resulting in the member significantly reducing practice time.

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## AAO HOUSE OF DELEGATES

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- ◆ A “senior limited practice” waiver of 50% of full active member dues and assessments may be requested by doctors with at least 30 cumulative years of membership (excluding student membership) and who practice no more than 350 hours per year.

It should be noted that each waiver needs to be approved by the member’s constituency and the AAO Board of Trustees. A member can only ask for a waiver of dues and assessments for a maximum lifetime of 3 years.

- Amendment to Policy 3-95 H-Medically Necessary Orthodontic Care (28-19 COHC) – The following definition of medically necessary orthodontic care was adopted:

### Medically Necessary Orthodontic Care:

Orthodontic services to prevent, diagnose, minimize, alleviate, correct, or resolve a malocclusion (including craniofacial abnormalities and traumatic or pathologic anatomical deviations) that cause pain or suffering, physical deformity, significant malfunction, aggravates a condition, or results in further injury or infirmity.

Medically Necessary Orthodontic Care should be based on a comprehensive assessment and diagnosis done by an orthodontist, in consultation with other health care providers when indicated; and be it further RESOLVED, that the definition of Medically Necessary Orthodontic Care be reviewed annually by the Council on Orthodontic Health Care and the Council on Governmental Affairs.

- **Creation of Innovation & Transformation Fund (11-19 RC)** – The AAO is establishing an innovation and transformation fund to support the development of new non-dues revenue products and services. \$3 million will be appropriated from Excess Liquid Reserves as seed money to establish the fund. The Board of Trustees will develop a plan prior to the November 2019 meeting, which will state how and under what circumstances the funds would be distributed. This plan will be presented to the 2019 Virtual House of Delegates, the 2020 Atlanta annual session House of Delegates, and every House of Delegates thereafter outlining actions taken.

As always, I appreciate the opportunity you have given me to serve as your delegation chair. Should you have any questions, concerns, ideas, or issues that the MASO Delegation can help you resolve, please do not hesitate to contact me at [drlatoro@gmail.com](mailto:drlatoro@gmail.com) or 787-464-2886. ■



## AAO PAC UPDATE

**Dr. Massimo Verduci**

[mvfirenze@gmail.com](mailto:mvfirenze@gmail.com)

### **AAOPAC Significant Accomplishments and Events, 2018-2019**

- AAOPAC’s 2019 Professional Advocacy Conference in February 2019 was attended by over 100 AAO members. Members participated in 86 House meetings and 60 Senate meetings, where AAO member discussed AAO legislative priorities including expanding the RAISE Act (expanding limits on flex spending accounts), making permanent the repeal of the medical device tax, providing student loan debt relief, and other small business issues.
- The Congressional meetings during AAOPAC’s 2019 Professional Advocacy Conference had direct, measurable results. For instance, shortly after the conference, legislation was introduced in both the Senate and House to permanently repeal the medical device tax. Rep. Steve Watkins (R-KS) co-sponsored the House version of the bill, specifically referencing his staff’s meeting with AAO members during the Advocacy Conference.
- Following the 2018 elections, members of both the House and Senate reintroduced bills that would adopt the RAISE act. This included the AAO’s legislative counsel’s efforts to obtain, for the first time, bipartisan sponsorship for the bills.
- The AAO’s legislative counsel pursued and successfully

secured several of the AAO’s education priorities in the House Democrats’ HEA reauthorization bill, the Aim Higher Act, including: (1) the elimination of origination fees; (2) preservation of Grad PLUS loans; (3) simplified repayment plans; and (4) federal student loan refinancing.

- Representatives of the AAO and/or its legislative counsel attended a number of high-profile political dinners and events that provided direct access to members of Congress to discuss the AAO’s legislative priorities. These events included a Democratic Congressional Campaign Committee dinner, a national Republican Congressional Committee dinner, and the Senate Classic golf tournament.
- 2018 was a record-breaking year for AAOPAC with respect to donations and contributions. AAOPAC received over \$353,000 in contributions from over 790 AAO members in 2018.
- Seventy-eight percent of candidates who received contributions from AAOPAC during the 2018 election cycle won their races, which is a very high percentage for PAC contributions and participation.
- The United States House of Representatives Small Business Committee asked the AAO to provide a member to testify at a hearing titled, “The Doctor is out. Rising Student Loan Debt and the Decline of the Small Medical Practice.” On June 12, AAO member and third-year orthodontic resident Lauren Wiese testified before the congressional committee on her student-loan debt, and how it has negatively affected her plans to practice. Her

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## AAO PAC UPDATE

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student-loan debt has restricted her practice style and geographic options (e.g., purchasing a practice vs. working in a more corporate setting). The staff of Rep. Nydia Velazquez, Chairwoman of the Committee, stated that Dr. Wiese “knocked it out of the park” during her testimony, effectively raising awareness about the student-loan debt challenges faced by young medical practitioners.

- In late 2018, then-president-elect Dr. Gary Inman participated in the first-ever U.S. Surgeon General’s

Listening Session on Oral Health, a two-day event. Dr. Inman represented the concerns and interests of the orthodontic specialty among other dentists, dental specialists, physicians and public health experts.

- The AAO, either through its legislative counsel or its own members, attended dozens of fundraisers for legislators of both parties, giving opportunity for in-person interaction and the chance to ask questions regarding the AAO’s policy objectives.
- These federal legislative accomplishments are in addition to numerous advocacy successes at the state level. ■



## SOCIETY OF EDUCATORS

**Dr. Vanessa Morenzi**  
[morenziv@einstein.edu](mailto:morenziv@einstein.edu)

The 2019 Jeryl D. English Educational Leadership Conference, hosted by the American Association of Orthodontists, Society of Educators (SOE), was held on Friday, May 3, 2019 with approximately 200 educators in attendance. Faculty members from each of our constituent programs attended the conference. It was great to have the opportunity to catch up with old friends and make new ones.

The assembled group received updates on the Advanced Dental Aptitude Test (ADAT) examination as well as on the ADA Council of Dental Accreditation (CODA) recommendations for modifications to the orthodontic standards that affect each residency program. These CODA standard modifications have been sent to the communities of interest for their feedback.

Dr. Jeryl English delivered a presentation to the educators at the conference titled “*The Past, Present, and Future of Orthodontics.*” Dr. English spoke about the technology explosion that has become part of the profession of orthodontics. He recognized and discussed the technologies that affect both the clinical practice of orthodontics and the education of pre- and post-doctoral students. These technologies include 3D printing, digital scanners, CBCT for 3D-3T diagnostics, diode lasers, rigid fixation in orthognathic surgery, clear aligner therapy, as well as virtual treatment planning for orthognathic cases.

When Dr. English spoke on the topic of competencies, he noted that post-doctoral orthodontic residency education requires over 3,700 hours for a general dentist to move toward basic competency as an orthodontic residency graduate. He suggested that there are vast differences between the education provided to a general dentist and to a pediatric dentist regarding orthodontic treatment. He further suggested that the pediatric dental community recognize and therefore refer complex cases to the orthodontist. However, the orthodontic curriculum,

for our general dental colleagues has not been as effective at allowing them to recognize, and distinguish, the complex orthodontic case from the simpler one. As a result, these complex orthodontic cases are not referred to the orthodontist and are being treated by the generalist. These situations may not end with the best results for the dentist or the patient. The goal of proper orthodontic education of the general dentist is to recognize the difference between simple and complex orthodontic cases. Attaining this goal of improved education of the general dentist, or dental student, should benefit the future of our orthodontic profession and all orthodontic patients.

A presentation on the recent changes to the ABO clinical exam from a case-presentation based evaluation to a scenario-based followed Dr. English’s keynote. The ABO was pleased with the results of their first scenario-based exam given in February 2019. The ABO is re-evaluating the logistics of how the exam itself is presented to candidates. Regardless of the logistics that are being tweaked, the scenario-based format was very successful. The ABO plans to continue to phase out the case-submission based exam for first time examinees. Cases are still accepted by the ABO for the re-certification process. In the future, for new exam candidates, only the scenario-based exam will be administered. For those of you who like statistics, the new scenario-based exam pass rate was comparable to the pass rate with the old case-based examination.

Pre-doctoral orthodontic education in dental schools was discussed. There is an emphasis on integrating 3D imaging for orthodontic diagnosis and clinical management as well as using 3D laser scanning into the pre-doctoral orthodontic curriculum. The assessment of pre-doctoral dental students regarding their orthodontic knowledge was presented. The format of their quizzes may still be multiple choice. However, the questions are being changed from fact-memorization to ones that represent clinical-based scenarios. The presenter also discussed the use of one-minute papers to assess the effectiveness of a seminar or lecture. Topics and questions based on an orthodontic presentation and answered by the dental student in the paper may include: what are the two most significant or useful concepts

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## SOCIETY OF EDUCATORS CONTINUED FROM PAGE 26

that you have learned in this lecture? Or, how specifically will you apply this presented information to your next dental patient? There was also a discussion on how institutions that have- and don't have- a post-doctoral orthodontic department can teach a general dental practitioner to perform a high quality orthodontic examination, complete an orthodontic diagnosis, and formulate a treatment plan for that patient. The speaker felt that it is incumbent upon our profession to teach the general dentists to distinguish the difference between simple and complex orthodontic cases. (Are you able to notice a recurrent theme, or the repeated recognition of a perceived knowledge gap in dental education, among the various presenters?)

AAO president Brent Larson also addressed the group and stated that the AAO Strategic Plan recognizes the key roles that education and research play in the future of orthodontics. Tom Kleumper from the AAO Council on Education (COE) noted the importance of education and communication for our orthodontic profession. He presented the recommendations that are moving forward at the ADA level regarding faculty/student ratios in residencies. He also noted that the issues the COE is currently examining include CODA, orthodontic education for the pre-doctoral dental student, clear aligners and how this treatment modality should be integrated into the curriculum technology requirements. Research award recipients were recognized and new orthodontic faculty members were acknowledged.

A series of presentations regarding research and career advancement opportunities including AAOF awards and fellowships, partnerships in research programs, and research opportunities in residency programs was well received.

With regard to recruitment in our orthodontic residency programs, there was a discussion on the logistics involved with the Multiple Mini-Interviews (MMI) process that many programs employ. This process is an aggregate of many independent interviewer judgments. It allows for a more objective assessment of non-cognitive traits. A lively discussion followed this presentation.

The meeting concluded with presentations on the different resources available to new, middle, and end-of-career faculty from the AAO. There is a great need to recruit, mentor, and retain talented educators into our programs to propel our profession. Look around at colleagues, community orthodontists, and people who trained with us in our residencies to see what each can bring to the orthodontic programs around us. Your local orthodontic residency program needs your assistance. Pick up the phone and call the chairman or program director today and volunteer your knowledge and talents.

I would like to recognize the support and guidance that I generously received from **Dr. Bob Williams**, editor of the *MASO Journal*. Bob was a consummate teacher and professional. He is missed. ■

# MASO BUSINESS



## GOVERNMENT AFFAIRS COMMITTEE REPORT

**Dr. Miriam Furlong**  
[mfurlong@jacksonorthodontics.com](mailto:mfurlong@jacksonorthodontics.com)

The 2019 AAO Advocacy held its meeting in Washington D.C. on February 19 and 20 with a record number of residents in attendance. In

addition, representatives from the national and regional levels of the AAO visited Capitol Hill to help address the legislative concerns that affect our profession and our patients including:

- Supporting oral health initiatives
- Protecting flexible spending accounts through support of the RAISE act
- Supporting small businesses through tax reform as well as streamlining regulatory requirements
- Reducing student debt through the student loan refinance act.

The MASO Governmental Affairs committee is composed of six (6) members, one from each component society. At each Annual Session, two (2) members are elected for a term of three (3) years.

The Government Affairs Committee members are:

**Dr. Miriam Furlong**, Chair Jackson, NJ      **Dr. Milton L. Matos Roman** Bayamon, PR

**Dr. Normand Boucher** Wayne, PA      **Dr. Robert Mensah** Fulton, MD

**Dr. Mark Fiss** Wilmington, DE      **Dr. Rob Peterman** Somerville, NJ

MASO members should be active in their state's efforts, and should consider contacting their state legislators. It's an honor to serve as committee chair, and I encourage you to contact any of our members with questions, concerns, or feedback. ■



## NOMINATING COMMITTEE REPORT

**Dr. Jean Edouard Asmar**  
[jeanasmar@aol.com](mailto:jeanasmar@aol.com)

Nominating Committee chair **Dr. Jean Asmar** presented the slate to the MASO Board. All new nominees, existing committee members, and committee chairs have been notified of their selection.

The Board approved the slate and will be presented to the general membership for approval during the MASO Member/Business Meeting at 7:30 a.m. on Saturday, September 14, 2019 at the Marriott Harbor Beach Resort in Ft. Lauderdale, Florida during the Annual Session.

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 2019-20

1. Dr. Jean Asmar (DC), Prior (senior) Immediate Past President, Chair - [jeanasmar@aol.com](mailto:jeanasmar@aol.com)
2. Dr. Normand Boucher, Immediate Past President [nsjboucher@gmail.com](mailto:nsjboucher@gmail.com)
3. Dr. Jean Asmar, representing DC [jeanasmar@aol.com](mailto:jeanasmar@aol.com)
4. Dr. Gordon Groisser, President MD [drg@braces.com](mailto:drg@braces.com)
5. Dr. Ali Husain, President DE [Str8nsmile/2aol.com](mailto:Str8nsmile/2aol.com)
6. Dr. Christopher Overcash, President NJ [covercash@comcast.net](mailto:covercash@comcast.net)
7. Dr. Milton Matos, President PR [miltonluis@aol.com](mailto:miltonluis@aol.com)
8. Dr. Anne O'Day, President PA [odayortho@yahoo.com](mailto:odayortho@yahoo.com)

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

PRESIDENT: Dr. Tarun Saini (MD).....2019-20  
 PRESIDENT ELECT: Dr. Francis Picon (PR).....2019-20

*NOMINATE*

SECRETARY: Dr. Madeline Goodman (MD).....2019-21  
 TREASURER: Dr. Dave Harmon (MD)..... 2019-21  
 IMMEDIATE

PAST PRESIDENT: Dr. Russell Sandman (NJ) ..... 2019-20

TRUSTEE: Dr. Steven Siegel (MD) ..... 2020-21  
*(Dr. Siegel started his 1st two-year term in May 2016)*

*Trustee term limit is a maximum of 4 two-year terms)*

*RE-NOMINATE*

### DIRECTORS

Directors serve two three-year terms:

1. Dr. Alireza Omid Rajaei (DC) .....2019-22  
*(Will be starting the 1st year of his second 3-year term)*
2. Dr. Sana Augustus (DC).....2017-20  
*(Will be starting the 3rd year of her first 3-year term)*
3. Dr. Paul Batastini (NJ) .....2018-21  
*(Will be starting the 2nd year of his first 3-year term)*
4. Dr. Lynette Garcia (PR) .....2019-22

*NOMINATE*

*(Nominated for her 1st three-year term.)*

### DELEGATES (7)

Seven (7) 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. Larry Wang (MD) .....2019-21  
*(Dr. Wang is currently completing the 1st year of his 3rd 2-year term.)*
2. Dr. Luis A. Toro (PR).....2019-21  
*(Dr. Toro is currently completing the 1st year of his 3rd 2-year term.)*
3. Dr. Richa Dutta (MD) .....2019-21  
*(Dr. Dutta is currently completing her 1st year of her 2nd two-year term.)*
4. Dr. Jean E. Asmar (DC) .....2020-22  
*(Dr. Asmar is completing his 2nd year of his 1st two-year term.)*

*RE-NOMINATE*

5. Dr. Richard Albright III (PA) .....2019-21  
*(Dr. Albright is completing his 1st year of his 1st two-year term.)*
6. Dr. Douglas Harte (NJ) .....2019-21  
*(Dr. Harte is completing his 1st year of his 1st two-year term.)*
7. Dr. Kathy Marshall (DC) .....2020-22

*NOMINATE*

*(Nominated for her 1st two-year term.)*

### ALTERNATE DELEGATES (3)

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. Tarun Saini (MD) (As required by MASO MOP).....2019-20  
*(MASO President)*
2. Dr. Francis Picon (PR) (As required by MASO MOP) .....2019-20  
*(MASO President Elect)*
3. Dr. Richard Isaacson (NJ).....2019-20

*NOMINATE*

### MASO COMMITTEES

#### I. Communications/Publications

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

Dr. Normand Boucher (PA) Chair/Editor .....2019-22

*NOMINATE*

1. Dr. Ricardo Santana (PR) .....2017-20
2. Dr. Anne O'Day (PA) .....2018-21
3. Dr. Nancy Pancko (DE) .....2019-22

*NOMINATE*

#### II. Education/Research

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

1. Dr. Padma Mukherjee (NJ), *Chair*.....2017-20
2. Dr. Vanessa Morenzi (PA) .....2018-21
3. Dr. Hyeran Helen Jeon (PA).....2019-22

*NOMINATE*

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## NOMINATING COMMITTEE REPORT

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### 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. Milton L. Matos Roman (PR).....2017-20
2. Dr. Rob Peterman (NJ).....2017-20
3. Dr. Normand Boucher (PA) .....2018-21
4. Dr. Robert Mensah (MD) .....2018-21
5. Dr. Kathy Marshall (DC) .....2019-22  
NOMINATE
6. Dr. Adrienne Perry (DC).....2019-22  
NOMINATE

### IV. Member Services: Membership/Ethics/ Practice Transition

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

1. Dr. Briana Yang .....2015-20  
NOMINATE
2. Dr. Vanessa Yu (PA).....2016-21
3. Dr. David Bonebreak (MD) .....2017-22
4. Dr. Jose Vincens (PR).....2018-23
5. \_\_\_\_\_ .....2019-24  
NOMINATE ■

## COMPONENT NEWS



### Pennsylvania Association of Orthodontists

Dr. Anne O'Day • [odayortho@yahoo.com](mailto:odayortho@yahoo.com)

We are excited here at the PAO! Our Annual Meeting was held in June at The Liberty Mountain Resort near Gettysburg, PA. We had two dynamic speakers: Mr. Dino Watt delivered an interactive, team-building presentation and Dr. Gerry Samson spoke about how we can achieve "The Exceptional Practice." Feel free to be sad if you missed it...the lectures were fabulous!

We are looking to the future with **Dr. Tejy Thomas** at the helm as our new President! Our upcoming annual meeting will be held in Philadelphia in the Spring, so please look for our

announcement in your inbox, as well as your snail mail. Please also "like" us on Facebook to stay abreast of PAO initiatives.

As I end my tenure as PAO President, I would like to thank the amazing officers and members of our board for their continued support of our profession:

Drs. Tejy Thomas, President; Alfred de Prophetis, President-Elect; Jake Orozco, Vice-President; Marian Wolford, Secretary; Jeff Singer, Treasurer; Hugh Friel, Historian; Brittany Franklin, Doug Smith, and Mark Rarrick, Directors.

I would also like to extend my sincere gratitude to our Executive Director, Dr. Tom Howley for his continued support, his attention to our daily operations and for organizing our meetings. Thank you, Tom!

See you at our meeting in Philly! ■



### Puerto Rico Society of Orthodontists

Dr. Jose Vicens • [otis@yahoo.com](mailto:otis@yahoo.com)

The Puerto Rico Society of Orthodontists celebrated its annual Christmas party on January 12. It was an opportunity to reconnect with our members while enjoying a traditional Puerto Rican holiday cuisine of "lechón a la vara", "arroz con gandules" and "pasteles" (pork roast, rice with pigeon peas, and our version of tomares). We had a great time while taking a moment to give thanks for the many blessings of the year.

On March 30, we had our spring continuing education activity at the beautiful Serafina Beach Hotel overlooking the Atlantic Ocean, in San Juan. The topic was "Interdisciplinary Approach to Obstructive Sleep Apnea: Ear, Nose, Throat Medicine and Orthodontics." The lecturers were Dr. Carlos Torre, an otorhinolaryngologist and Sleep Medicine Surgeon from the University of Miami and Dr. Audrey Yoon, an orthodontist from the Stanford University Sleep Medicine Center. The course was a great success because it was clinically oriented and the speakers were very engaging. About

90% of our members attended. Dr. Ricardo Santana, our CE coordinator was very happy with the turnout.

We would be remiss not to give a special thanks to Kevin Reifschneider of American Orthodontics for a corporate donation to help defray some of the expenses of our spring CE course and our Christmas party.

Our society has hired a publicist to take charge of getting our local consumer awareness campaign up and running. The aim is to educate the public about our specialty and our society through social media and the web.

We are looking forward to an upcoming CE course on August 24th specifically for the dental assistants of our members. We will have an oral maxillofacial surgeon who will lecture about oral pathology for the dental assistant. We will also have a workshop led by a team of industrial psychologists who will focus on "Emotional Health in the Workplace" and the "Keys to Providing Excellent Service."

We are also looking forward to the MASO Annual Meeting in Ft. Lauderdale where we expect to connect with our friends and colleagues. ■



## ALBERT EINSTEIN MEDICAL CENTER

Dr. Vanessa Morenzi  
morenziv@einstein.edu

### Resident Activities

Our rising third-year residents, **Drs. Reem Abdulrahman, Catherine**

**Lowry** and **Juliana Zoga** graciously welcomed those who entered our program on June 28, 2019. They are:

- **Dr. Yee Seul Chun**, a faculty member at the Johns Hopkins Hospital General Practice Residency program of which she is also a graduate. Yee Seul received her undergraduate degree from Rutgers University and her dental education at the University of Maryland.
- **Dr. Michael Kotecki** completed his engineering degree at Duke University followed by his dental education at Columbia University. He also served our country as a general dentist with the United States Army.
- **Dr. Gannon Van Allen**, a graduate of the University of Tennessee for both his undergraduate and dental education. Gannon served our country as a general dentist with the United States Navy.

We extend our gratitude to the members of the Selection Committee – **Drs. Alan Borislow, Mary Burns, Chuck Gemmi, Mark McDonough, and Michael Roth**, and all members of the faculty, the residents and selection committee. We also sincerely thank each of our **volunteer and part-time faculty** 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, it would be almost impossible to provide a quality educational experience. We are indebted to each of our community-based clinicians who give of their time to teach and mentor our residents.

During these past few years, we completed a curricular change to allow the movement of the ABO Written Examination from the third year of our program into the second year. We are happy to report that **all three** of second-year residents passed their written Board examination, which was administered in April 2019.

As second-year residents, **Dr. Reem Abdulrahman**, presented her ePoster at the AAO meeting in Los Angeles. Dr. Abdulrahman's ePoster was titled "CBCT Evaluation of the Dentoalveolar Effects of Bone-Tissue Supported Rapid Palatal Expansion on the Transverse Dimension of the Maxilla." **Dr. Catherine Lowry** presented her Grand Rounds research topic entitled "Bolton Discrepancies: Interdisciplinary Diagnosis and Treatment" to the entire Department of Dental Medicine in November 2018. Dr. Juliana Zoga presented her Grand Rounds research topic entitled "Cleft Lip and Palate: Interdisciplinary Diagnosis and Treatment" in June 2019.

### Program Graduate Activities

**Dr. Erin Mahoney** (Class of 2016) and **Dr. Kathleen Pale** (Class of 2016) successfully completed the new, scenario-based ABO examination in February 2019. Their classmate, **Dr. Justin Silvestre** (Class of 2016) had successfully completed a prior case-based ABO examination. Their class has gained 100% board certification status! They each report that they are doing well personally and professionally.

**Dr. Chirag Patel** (Class of 2018) is practicing in the greater Philadelphia area. Chirag is preparing for his ABO certification exam. Additionally, Chirag will be joining our orthodontic faculty this academic year. **Dr. Wasna Dabbagh** (Class of 2018) joined a private practice in the northwestern suburbs of Philadelphia. She also practices at the Lancaster Cleft Palate Clinic as part of a multi-discipline team. She is in the process of preparing for the ABO Scenario based Oral Clinical examination in November 2019. **Dr. Sheila Othman** (Class of 2018) joined a group practice in Philadelphia, Pennsylvania. Currently, she is working towards completion of her ABO Scenario-based Oral Clinical examination in November 2019 in St. Louis. Each member of the Class of 2018 is thankful to their faculty and teachers for the wonderful preparation to enter the orthodontic profession.

### Faculty Activities

We congratulate, and thank, each of our faculty on their many and varied gifts and talents, which they graciously provide to our profession and to our communities. These include, **Dr. Matthew Etter** who currently serves as president of the Greater Philadelphia Society of Orthodontists (GPSO) and who will host this November's annual meeting featuring Dr. Neil Kravitz. In addition, **Drs. Paul Adams, Steven Cohen, and Chuck Gemmi**, serve as GPSO board members.

We offer our sincere gratitude to the faculty members who participated in the interview process to identify our new Associate Program Director, **Dr. Michael Roth**. These faculty members included: **Drs. Paul Adams, Alex Apple, Alan Borislow, Karen DeSimone, Audra Kiefer, Mark McDonough, Stuart Messinger, and Harold Middleberg**. The Department was very pleased with the resultant comments and outcome of this rigorous evaluation process. We are very pleased that Dr. Roth has agreed to assume additional administrative duties in addition to his clinical responsibilities.

This year, we welcomed **Dr. Peter Greco** to our faculty. In addition to his contributions at our bi-monthly Case Conference seminars, Dr. Greco will present courses on bioethics in our profession, TMD diagnosis and treatment, and Interdisciplinary Treatment. He is a wonderful addition to our faculty.

Regarding new curricular initiatives at Einstein, **Dr. Alex Apple** has assumed responsibility for integrating Indirect

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## ALBERT EINSTEIN MEDICAL CENTER

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Bonding into the clinic protocol. Dr. Mary Burns has successfully implemented, and integrated, the use of electronic health records for diagnosis and record keeping. Dr. Steve Cohen is actively pursuing the integration of a comprehensive 3D workflow seminar into the curriculum and clinic setting. We are so pleased that Dr. Cary Leizer has successfully developed, and implemented, a Clear Aligner Mock Boards evaluation for all 3 resident classes. Dr. Kathleen Pale will be assuming a greater role in the education of the residents by presenting a review of the ABO recommended literature seminars. Dr. Courtney Rubin and Dr. Mark McDonough are each

implementing a new seminar that highlights the relevancy of ABO recommended literature to clinical treatment. Dr. Justin Silvestre anticipates some very exciting changes for the Introductory and Biomechanics courses.

We would like to recognize, and thank, our volunteer faculty members on the Promotions and Advancement Committee for their diligence and hard work this year. The members of that committee are Drs. Harold Middleberg, Alex Apple and Steve Cohen.

All are welcome to come and visit us at AEMC. We are proud of our legacy and the residents that we are educating today who will become tomorrow's clinical and professional leaders. ■



## HOWARD UNIVERSITY

**Dr. Kathy L. Marshall**  
[k\\_marshall@howard.edu](mailto:k_marshall@howard.edu)

Howard University Residents, Faculty, Staff and Administration would like to express our deepest condolences to the family of **Dr.**

**Bob Williams.** He was a tremendous asset to MASO and to the orthodontic profession. We applaud his efforts to support diversity and inclusion within the organization. He was a great friend and supporter of the program at Howard University. During his visit to the Howard University Orthodontic Department in April, Dr. Williams met with each of our residents and had planned to return to Howard to continue our research collaboration. It was an honor to work with him.

We pray for his family and friends, and we will always remember his remarkable career by celebrating his achievements as a faculty member, leader, mentor, and goodhearted human being.

As Howard University Orthodontic Program celebrates its 50th Anniversary, and our 50th Graduating Class, we congratulate our 2019 graduates for completing the program and presenting their

research theses at national, regional and university meetings. Congratulations to **Drs. Jennifer Collins, Katrina Foster, Jordan Jones, Adrienne Perry, Laura St. Bernard** and **Angelique Teasley.**

Our new second-year residents continue to matriculate, with many participating in the ADEA Advocacy events in April and AAO Advocacy Day on Capitol Hill this February. In addition to attending numerous special continuing education presentations, MASO, MSSO, and Virginia meetings, they also continued their commitment to community service.

This summer we welcome our first year residents:

**Dr. Denise Cherry**, University of Mississippi

**Dr. Aisha Henry**, Meharry Medical College

**Dr. Monique Heron-Carmignani**, A.T. Still School of Osteopathic Medicine

**Dr. Lisa Kwarteng**, University of Kentucky

**Dr. Briana McRae**, Howard University

**Dr. Kervin Michaud**, Howard University

We continue to celebrate our mission and our institution, and provide opportunities for exemplary education, service and research that promotes patient centered, collaborative care and advocacy for the elimination of health care disparities. ■



## RUTGERS SCHOOL OF DENTAL MEDICINE

**Dr. Thomas Cangialosi, Chairman**  
[cangiati@adm.rutgers.edu](mailto:cangiati@adm.rutgers.edu)

I am pleased to congratulate **Drs. Tiffany Chen, Reema Boufis, Peter Pisano, Clayton Warder**, and **James Williams** who graduated from the Rutgers Orthodontic program on May 20, 2019. Each of them received the Certificate in Orthodontics as well as the Master of Dental Science degree. Special thanks go out to **Dr. Jay Williams** 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. Michelle Cho, Nhi Le, Jennifer Fong, Refka Salib** and **Charmi Shah** who will enter our program on July 1. The next three years for them will be challenging, but also exciting and rewarding.

In February we also welcomed two new faculty members; **Dr. David Briss**, formerly Associate Professor at Boston University, who has come to Rutgers full time and **Dr. Anthony Suriano**, a UMDNJ graduate and former Clinical Assistant Professor who has rejoined the faculty on a part-time basis. Both are off to a great start in their new endeavors.

Thank you to all alumni who continue to support the activities of our department, especially our Student Scholarship Fund. ■



## UNIVERSITY OF MARYLAND

**Dr. Jose A. Bosio**  
*Division Chief and  
 Orthodontic Program Director*  
[jbosio@umaryland.edu](mailto:jbosio@umaryland.edu)

Greetings from University of Maryland, Division of Orthodontics.

Our program is mourning the passing of our great part-time clinical faculty member, researcher, educator, leader, and friend **Robert (Bob) Earl Williams, Jr.** He was the editor of our own great regional orthodontic *MASO Journal* for the past 13 years.

Bob was a great orthodontist, who had a passion for clinical teaching and researching intriguing topics in orthodontics. Bob was very much involved in the Division of Orthodontics, and he wanted to become even more involved in teaching. Unfortunately, life did not allow him to do that. He helped numerous residents to understand many orthodontic concepts, since he was one of the best and most organized faculty members. All residents, staff, and colleagues from UMSOD will miss Bob greatly.

Bob also thrived as Scouting Advocate serving ultimately as Scoutmaster of Troop 5 of the Baltimore Area Council. He travelled with his scouts, taking them to Japan where they climbed Mount Fuji. He also served as elder and Deacon of the Towson Presbyterian Church for more than 35 years. He was a true leader. ■



## UNIVERSITY OF PENNSYLVANIA

**Dr. Chun-Hsi Chung**  
[chunc@dental.upenn.edu](mailto:chunc@dental.upenn.edu)

Our comprehensive clinic and didactic orientation program will begin on July 8, 2019 as we welcome our incoming Class of 2021— **Drs. Emily Funk, Leanne**

**Lin, Justin Orr, Mohamad Osman, Abby Syverson, Joyce Yin,** (26 month Certificate Program); **Grace Lee,** (3-year Master of Science in Oral Biology program), **Puttipong Sripinun** (5-year Doctor of Science in Dentistry program) and **Joseph Formosa** (2nd year of the 4-year Perio-Ortho combined program).

This summer, the incoming first-year and upcoming second-year residents will attend the 31st Annual Graduate Orthodontic Residents Program (GORP), which will be held in St. Louis, July 25-28.

In this semester, the current first-year residents attended the Tweed Course on April 2-12. Also in April, all of our second-year residents participated in the written ABO exam with 100% success rate.

**Dr. Peter M. Greco** was honored at a special reception on June 12 as he was awarded the Alumni Award of Merit from the School of Dental Medicine.

**Dr. Samaneh Mojarrad,** (GD'18) is the recipient of the 2019 Kress Award for her research project "*Effect of Expansive Force on Mesenchymal Stem Cells Isolated from the Mid-Palatal Suture.*" The Kress award is granted to the most outstanding research thesis written by a graduate resident within MASO's geographical area. The award will be presented to Dr. Mojarrad during the MASO Annual session, September 12-14, 2019 in Fort Lauderdale, Florida.

On June 18th, **Dr. Leah Yi** presented her Master's thesis: "*Craniofacial Growth of Untreated Children: A Longitudinal CBCT*

*Study.*" Faculty advisors are **Dr. Chun-Hsi Chung** and **Dr. Normand Boucher.**

On June 26th our graduating residents will present their research projects to the faculty:

**Dr. Adrien Hamedi:** *Inclinations of Lower Posterior Teeth: A Risk Factor for Gingival Recession?*  
 Faculty Advisor: **Dr. Normand Boucher**

**Dr. Heather Chiarello Albert:** *Effects of Surface Preparations and Alternative Adhesive System on Shear Bond Strength of Orthodontic Brackets to Zirconia Restorations*  
 Faculty Advisor: **Dr. Patrick Cuozzo**

**Dr. Boryana Dimitrova:** *Buccolingual inclination of second molars in adolescents and adults: a CBCT study*  
 Research Advisors: **Dr. Chun-Hsi Chung & Dr. Normand Boucher**

**Dr. JV Kracke:** *Effect of Impacted Canine Follicular Volume on Lateral Incisor Root Resorption*  
 Faculty Advisor: **Dr. Guy Coby**

**Dr. Ellen Yun Jeong Lee:** *Comparison of the buccolingual inclination of mandibular bone and teeth related to facial type: A CBCT Study*  
 Research Advisors: **Dr. Chun-Hsi Chung & Dr. Normand Boucher**

**Dr. Kate Kyung Jin Lee:** *Transverse analysis of maxilla and mandible in normal occlusion using CBCT*  
 Research Advisors: **Dr. Chun-Hsi Chung & Dr. Normand Boucher**

**Dr. Cassie Truong:** *The effect of rapid maxillary expansion on the nasal soft and hard tissue: A CBCT study*  
 Research Advisors: **Dr. Chun-Hsi Chung & Dr. Normand Boucher**

The Department had a luncheon on June 26 to congratulate the residents receiving their certificates and diplomas in June.

5-year Certificate and Doctor of Science in Dentistry program  
**Dr. Hellen Teixeira**

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# GRADUATE PROGRAM REPORTS

## UNIVERSITY OF PENNSYLVANIA

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3-year Certificate and Master of Science in Oral Biology program

**Dr. Leah Yi**

4-year combined Perio/Ortho Certificate program

**Dr. Adrien Hamedi-Sansgar.**

The 2019 graduation ceremony for our graduates from the 26-month postdoctoral certificate program in Orthodontics and Dentofacial Orthopedics, will take place at The Waterworks of Philadelphia on August 22.

**Dr. Heather Chiarello Albert**

**Dr. Boryana Dimitrova**

**Dr. JV Kracke**

**Dr. Ellen Yun Jeong Lee**

**Dr. Kate Kyung Jin Lee**

**Dr. Cassie Truong**

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

Our J. Henry O'Hern annual Orthodontic Alumni Day will be held on Friday, October 19. This year's speakers will be Dr. Ute Schneider-Moser and Dr. Lorenz Moser and their topic will be "Uncommon solutions in adolescents and complex interdisciplinary treatments in adult patients." The meeting will take place at The Union League of Philadelphia and CEU credits will be available. Program information and registration will be available online sometime soon at [dental.upenn.edu/continuing\\_education/course\\_schedule/penn\\_ortho\\_alumni\\_day](http://dental.upenn.edu/continuing_education/course_schedule/penn_ortho_alumni_day).

Anyone interested in further information on Alumni Day may contact Barbara Del Regino at [bdelregi@upenn.edu](mailto:bdelregi@upenn.edu).

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



## UNIVERSITY OF PUERTO RICO

**Dr. Jose Morales-Diaz**

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The University of Puerto Rico Orthodontic Graduate Program had another productive and successful year. Our residents have been busy during this past semester.

On January 9 and February 13 our residents had two excellent lectures sponsored by the AAO. The first was titled "Legal Aspects in the Practice in Orthodontics" and was presented by AAO attorney Sean Murphy. **Dr. Luis Toro Jr.**, lectured on practice management. In February, once again our residents participated in the Colegio de Cirujanos Dentistas de Puerto

Rico (P.R. Dental Association) Annual Meeting presenting clinical cases poster boards. **Drs. Paula Ortiz, Carina Perez-Cisneros, Ambar Mier** and **Eric Torres**, second and first year residents traveled to Washington, DC from February 18 to 21 to attend the AAO Professional Advocacy Conference. The theme of the meeting was sleep apnea. April was a very successful month; first-year residents **Drs. Eric Torres** and **Ambar Mier** spent 10 days at The Tweed Foundation Course in Tucson, Arizona; second-year residents, **Drs. Carina Perez-Cisneros** and **Paula Ortiz** passed the American Board of Orthodontics written exam. We wish them congratulations. Last May the six residents and several faculty members went to beautiful Los Angeles, California for The AAO Annual Convention. The semester finishes on June 30th and the senior residents **Drs. Yaniris Figueroa** and **Daniela Amaya** left the graduate program to begin their professional lives. ■



## WASHINGTON HOSPITAL CENTER

**Dr. Linda Hallman**

[dr.hallman@gmail.com](mailto:dr.hallman@gmail.com)

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 WHC.

We have said goodbye to our Chief residents, **Drs. Anthony Maggio** and **David Walker**. Dr. Maggio has returned to his hometown of Harlingen, Texas where he will start a private practice. He will also associate in a private practice in San Antonio. Dr. Walker has left his hometown area of Northern Virginia and will join a private practice in Fargo, North Dakota as an associate. We are proud to send these two outstanding orthodontists into the community to practice.

We welcomed our incoming class of residents in July 2019. **Dr. Wakas Abdulrazzaq** attended Dental School at University of Illinois, Chicago. He came to us from private practice in Chicago, Illinois. **Dr. Sheira Velez Ramos** is a native of Puerto Rico where she received her dental degree at the University of Puerto Rico. She just completed General Practice Residency at the Staten Island University Hospital, Staten Island, NY. We were very excited to welcome both of these outstanding individuals to join our staff. We continue to be blessed with outstanding residents who will be assets to our great profession.

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

# MASO Journal

Middle Atlantic Society of Orthodontists

**Dr. Normand Boucher, Editor**

Ms. Jane Treiber, MASO Executive Director

17 South High St. – Suite 200

Columbus, OH 43215



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## UPCOMING EVENTS



**February 7-9, 2020**  
**AAO Winter Conference**  
AUSTIN, TX



**March 13, 2020**  
**MASO Spring CE Meeting**  
HOTEL DUPONT, WILMINGTON, DE



**MAY 1-4, 2020**  
**AAO Annual Session**  
ATLANTA, GA



**September 10-13, 2020**  
**MASO Annual Session**  
RENAISSANCE BALTIMORE HARBORPLACE HOTEL  
BALTIMORE, MD



**September 23-26, 2021**  
**MASO Annual Session**  
PUERTO RICO



**September 22-25, 2022**  
**MASO Annual Session**  
PHILADELPHIA, PA