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Autumn 2022

# MASO Journal

Middle Atlantic Society of Orthodontists

# 2022

MASO • NESO  
PHILADELPHIA

September 22-24, 2022  
Philadelphia Marriott Downtown





2022

MASO • NESO  
PHILADELPHIA

*Come Join Us At . . .*

# 2022 MASO • NESO Annual Session

September 22-24, 2022  
Philadelphia Marriott Downtown





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# MASO Journal

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## MUSEUM OF ART, PHILADELPHIA, PENNSYLVANIA

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

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E-mail is preferred for receipt of items submitted for publication in the MASO Journal. Articles and photos may be e-mailed directly to Dr. Normand Boucher at nsjboucher[at]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.

The Journal is published two times a year, Spring and Autumn. Reports, articles and ads are due June 15 and December 15. The opinions expressed in the Journal are those of the authors and do not necessarily reflect those of the Association, nor does the presence of an advertisement imply endorsement by the Association.

## MISSION STATEMENT

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



## PRESIDENT'S MESSAGE

Dr. Madeleine Goodman • madeleine.goodman[at]gmail.com

Dear MASO colleagues,

Over the past several months I've had the privilege of spending a lot of time with the MASO leadership team. Between Zoom calls, our March CE in New Jersey, and the AAO House of Delegates in Miami, we've had a lot of bonding time. This has given me ample opportunity to reflect on what an intentional and caring group we have. A group that I feel is forward thinking and well-represents the diverse make-up of our constituency. Our dearly missed previous journal editor, **Dr. Bob Williams**, always pushed inclusivity and would be proud to know that our leadership is now comprised of 50% women.

Our Board's top priority is finding new and different ways to bring value to you as members and to push our specialty forward. An issue that I am particularly passionate about is that of environmental awareness and our role in sustainable practices. We are asking all of you to take part in an exciting initiative! As orthodontists we give out many bags every

day. If these bags are plastic, that amounts to a significant amount of collective plastic waste. What if we all committed to exclusively using paper bags for one year? This small action can go a long way if we all participate. We will be mailing you more information shortly. Thank you in advance for your participation.

Inspiring our members has been a top priority while planning MASO's upcoming Annual Session in Philadelphia. Our incredible speaker line-up features both familiar favorites and new voices with a diverse array of topics that are of value to both doctors and staff. There will also be a fully functional digital printing lab separate from the exhibit hall that will allow vendors to showcase their 3D printing capabilities in real time. I hope to see all of you there.

I am so grateful to be part of a team that cares deeply about inclusivity, the environment, and doing what's best for our constituents. I would encourage members at any stage in their careers to consider a role in MASO leadership...it's been a wonderful journey. ■

# Go Green with MASO



**Make a pledge to STOP using plastic bags!**

Visit [maso.org/go-green](https://maso.org/go-green) for more information and claim your first 50 paper bags for FREE





## TRUSTEE'S REPORT

Dr. Steven Siegel • [ssiegel\[at\]aaortho.org](mailto:ssiegel[at]aaortho.org)

It was wonderful to attend the AAO Annual Session and see so many friends and colleagues in Miami after two years of virtual sessions due to the COVID pandemic. The venue was outstanding as were the lectures and special events. I am already looking forward to our MASO/NESO joint Annual Session in Philadelphia in September.

Since the start of the COVID pandemic the AAO has been working tirelessly, advocating on behalf of our patients and members. The AAO has prioritized advocacy and education efforts necessary to protect patients from the risks of direct to consumer, mail order, orthodontic treatments that do not include necessary components such as in-person examinations or x-rays prior to treatment. The scientific evidence supporting those concerns is set out more fully in the Position Paper and other resources located at [orthofacts.org](http://orthofacts.org).

The AAO periodically surveys our members to determine what programs and services are most valued and to what our members would like the AAO to devote additional resources. Advocacy was identified as the number one member benefit. Our members also expressed a desire to have more resources devoted to the business of running a successful practice. The AAO, in partnership with the Wharton Business School, developed the Mastering the Business of Orthodontics Program which has received rave reviews from those who have taken the course. Another program, AAO TechSelect, is an excellent resource to our members who want to incorporate 3D printing and aligner manufacturing in their practice.

Staff shortage is an area of concern to many of our members since the onset of the COVID pandemic. The Great Resignation describes the increased rate at which U.S. workers have quit their jobs because of the COVID pandemic, coupled with low unemployment and strong labor demand. This has affected our members who are experiencing staff shortages and difficulty with recruitment and retention of staff. In response to this issue, and as a member benefit, the AAO formed a Staff Shortage Task Force (SSTF) to explore and create a plan to address staffing shortages. The Board of Trustees recently was presented with several motions from the task force designed to help our members with staffing issues.

The Board approved a series of motions from the SSTF that direct the AAO to:

1. create and make available free to members Basic Training, bite-sized videos.
2. create and make available to members a toolkit of resources to build awareness for orthodontic staff careers and their job openings.
3. create and make available to members a toolkit of resources to help them improve their effectiveness of recruiting, hiring, and retaining staff.
4. partner with components in states that have been identified as highly regulated to advocate for reduced requirements for orthodontic staff to expand the candidate pool in these markets.
5. implement a year-round campaign targeting high school counselors and students in high school/junior college/dental assisting programs to promote orthodontic staff careers.

In April of 2021, the Board of Trustees passed a motion to create a task force to review the Council on Government Affairs (COGA) and AAOPAC. Its mandate was to recommend any changes from a cost benefit perspective and to identify additional advocacy efforts needed for those two entities.

The task force found that one of the most valuable areas of advocacy was at the state and local level. The AAO has spent \$2.3 million from the Component Legal Support Fund (CLSF) in the last 5 years and has shown multiple unique legislative wins each year. The AAO has also had federal regulatory success in the last few years and thus sees value in maintaining a presence in Congress, primarily for its influence over the federal regulatory agencies.

Specific recommendations of the task force include the refocusing of COGA to significantly increase its state advocacy efforts. A primary responsibility of COGA will be the creation and growth of a State Advocacy Network, comprised of AAO members in each state, who can assist with advocacy efforts when they arise. Changes are being implemented to AAOPAC to focus on the most productive areas of advocacy at the federal regulatory level. The AAO has been continually active at the federal regulatory agency level on consumer protection issues related to direct to consumer/mail order aligners.

In December 2021, the AAO Legal & Advocacy team, in coordination with Cozen O'Connor Public Strategies,

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## TRUSTEE'S REPORT

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secured a bipartisan group of 21 members of Congress to sign a letter sent to Comptroller General Gene Dodaro requesting the U.S. Government Accountability Office (GAO) “conduct a study of the federal regulation of Direct-To-Consumer (DTC) advertising practices for prescription medical products.” The signatories also indicated that a GAO review of these issues “will be an important step toward protecting consumers and toward mitigating any potential medical or public health harms that may arise from these marketing practices.”

According to the response from the GAO, the GAO will be investigating what the FDA and FTC are doing to regulate DTC products, including DTC orthodontic aligners.

Another example of the importance for channels of communication with regulatory agencies recently occurred when OSHA opened a comment period on the Emergency Temporary Standards (ETS) in anticipation of their final rule-making on this subject. There was an opportunity for written comment as well as a public hearing that took place in April.

The AAO applied for and offered testimony at the public hearing. Our message was that the AAO has a strong interest in ensuring that our staff members remain safe from COVID-19 and other potential occupational risks. Nevertheless these objectives have to ensure that our staff are able to work unencumbered by restrictions that do not actually serve to protect them from exposure, or could create other employee health hazards such as fatigue, headache, low O<sub>2</sub> levels, elevated body heat, dehydration, and difficulty to communicate.

Our position is that the exemption currently contained in the ETS for non-hospital ambulatory settings such as orthodontic practices, where screening of patients takes place, is well-founded and should not be removed from any final-rule version of the ETS.

While the AAO strongly supports retaining the exemption in the current ETS for non-hospital ambulatory care settings, it was noted that if the exemption were to be removed from the final version of the ETS, there are numerous reasons why the AAO would support relaxing the requirements for wearing respirators during aerosol-generating procedures.

The stated rationale for this position is that orthodontic assistants, orthodontists, and others who wear respirators

routinely report that these respirators make it more difficult for them to perform their responsibilities, and many times, prolonged use of a respirator can be very painful or otherwise physically challenging. The use of a respirator is necessitated by the assumption that the patient being cared for has a COVID infection and could infect the healthcare worker. The screening procedures, and ability to reschedule patients suspected to be infectious, renders this assumption inapplicable in the orthodontic setting.

Moreover, eliminating the requirement of wearing a respirator does not mean that orthodontic practitioners and staff would then resort to no PPE during aerosol-generating or other procedures. The use of close-fitting masks by orthodontic employees is universal, and many elect to further supplement with a clear face shield, as well as gloves, isolation gown, safety glasses and other PPE required under existing standards to protect against bloodborne diseases and other risks. These existing PPE measures and practices, combined with COVID screening procedures, render the requirement of respirators in the orthodontic setting as excessive—especially considering the widespread reports of pain, discomfort, and other concerns by employees who are required to wear respirators.

For more information about AAO Advocacy go to <https://www2.aaoinfo.org/advocacy/advocacy-efforts/regulatory/>.

As I have stated on numerous occasions, the AAO is a member driven organization, and we are strong when we are unified. We are the AAO, and I urge you to become more involved in your association. The AAO is the sole advocate for orthodontists at local, state, provincial, and federal levels and with regulatory bodies. Our mass-market campaign, the AAO Consumer Awareness Program, which educates the public on the benefits of orthodontic treatment by an orthodontist is the product of the AAO. Whether it is participation in state or local advocacy, through service in on a council, committee, or task force, or by contributing to AAOPAC, your involvement ensures that our association and profession remain strong.

As I enter my seventh year as your Trustee, I am humbled by the opportunity to serve you and our profession. Please contact me if you ever have any questions, concerns, or suggestions. ■



## EDITORIAL

Dr. Normand Boucher  
nsjboucher[at]gmail.com

Is employee loyalty on the decline?

The AAO has recognized that the “Great Resignation” is impacting the world of orthodontics. As many of us are aware, the search and retention of orthodontic staff is more difficult than it has been in the past. On a personal note, I have been very fortunate with staffing. My longest tenured employee joined our practice in 1987. Over the years she recruited her aunt, cousin, sister, and eventually her daughter; all of whom have been core of our practice for decades. They have always been treated like family. A version of this business experience can be told by many of our orthodontic colleagues.

Nevertheless, personnel turnover is the reality for all practices. Recently, one of my employees tearfully tendered her resignation to accept a position in the orthodontic industry as a consultant and trainer. She took her 6 years of experience and personal growth in a different direction. We all wished her well. The subsequent post-COVID recruiting experience for a new employee became a challenge we had not experienced in the past. It was quickly apparent that our small business was not immune from the issues the large corporate world is experiencing.

According to federal data, American workers now spend a median of 4.1 years with their employers. Following the pandemic more than 40 million resignations led to the tightest labor market in U.S. history. Orthodontic employees are cognizant of this imbalance and are leveraging this situation to find better jobs and are negotiating salary, benefits, and better working schedules. The post pandemic orthodontic workplace has become more transactional.

## “Employee Loyalty”

Going forward, it appears that employee recruitment and retention will require a different employer mindset.

Janice Bellace, Wharton professor has stated, “Loyalty implies more than about the relationship being reciprocal. If you’re at a company and feel productive and properly treated, you may still go to a company that pays you 20% more. But if people feel very engaged and well treated, they will not only will feel productive, they will want to stay”. By definition, engagement implies a commitment and obligation from both parties.

According to Matthew Bidwell, also at the Wharton School, “the balance of power continues to shift backwards and forward. If an employer did not have to make an effort in the past, he or she needs to make that effort now.” At our Annual Session in Philadelphia, Mr. Bidwell will address the challenge of building the effective team required to have a high performance practice. He will address the key steps which include hiring the right people, bringing them on board effectively, and managing their performance by giving them proper feedback and coaching.

The AAO recently formed a Staff Shortage Task Force (SSTF) to explore and create a plan to address staffing shortages. Once again, the AAO and MASO’s progressive leadership has stepped up to the plate and is addressing an issue which has grown in importance for many of our members. I am confident that our member organizations will dig deep into this issue to provide us with the resources to approach this recent paradigm shift in personnel management. ■

*Studs Terkel wrote that work is about a search “for daily meaning as well as daily bread, for recognition as well as cash, for astonishment rather than torpor; in short, for a sort of life rather than a Monday through Friday sort of dying.”*

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

## 2022 GERARD A. DEVLIN AWARD

### Dr. Lawrence Wang



**Dr. Lawrence Wang** received his Bachelor of Science degree from the University of Toronto. He earned his Doctor of Dental Surgery from Northwestern University Dental School in 1995. Dr. Wang went on to earn his graduate degree in Orthodontics from the University of Medicine and Dentistry of New Jersey while also completing a

Master of Science in Oral Biology from the Graduate School of Biomedical Sciences.

Dr. Wang is a Diplomat of the American Board of Orthodontics and a Fellow of the International College of Dentists. He is currently a partner in the Baltimore Orthodontic Group with 5 offices throughout the Greater Baltimore area. He credits his success to having the good fortune of working with wonderful and talented doctors and an amazing and caring staff. More importantly he is blessed to have the love and support of his wife Dr. Jenny Wang, and daughters Emma and Hannah. Having the support of those around him in practice and at home have allowed him to pursue his ongoing commitment to his peers and to our profession.

Volunteerism and giving back to his community has been a cornerstone of Dr. Wang's professional career. It has fueled his desire to work with colleagues, orthodontic associations, educators, and other professionals to promote orthodontics and expand his impact outside of private practice. His efforts can be seen at the local, regional, and national levels.

Dr. Wang has served as Director and President of the Maryland State Society of Orthodontists. He co-directed the Maryland Society Orthodontic Assisting Course which educated dental assistants and prepared them to become certified orthodontic assistants in practices throughout Maryland. Dr. Wang has been invited to lecture to various dental and hygiene societies. He has donated his time to present lectures to dental residents at the University of Maryland (UMD) and Johns Hopkins. Dr. Wang has also introduced orthodontics to hygiene students at hygiene training programs in Baltimore. Teaching outside of the classroom, Dr. Wang has been heard on local talk radio and seen on local news answering questions from the community about orthodontic treatment. A personal highlight of his career has been serving on the cleft palate teams for both the University of Maryland Rehab & Ortho Institute and Johns Hopkins Hospital. Collaborating and coordinating care for complex cases with specialists from various fields has been exceptionally challenging and rewarding.

In Baltimore city, Dr. Wang continues to volunteer his time speaking to young teens through a mentoring program

established in 1996 by Mr. Cameron Miles. Dr. Wang is proud to represent the orthodontic community in this capacity espousing the importance of education to these young men.

On behalf of his MASO colleagues, Dr. Wang has taken on many roles representing the Mid-Atlantic states over the last two decades. His first position was working as co-managing/advertising editor of the MASO journal. He has since then served as Director and President of the Middle Atlantic Society. He has served as a MASO delegate to the AAO bringing our regional concerns to the national stage. He has also worked as a MASO representative on the AAO Council on Information Technology. Dr. Wang is currently serving on the Council on Communications which has been an exciting next step for him as this council continues to address the ever-changing needs of AAO members and the challenges facing the specialty.

Dr. Wang has answered the AAO call in a wide spectrum of ways. He has served on the Clinical Practice Guidelines Review Committee, the Task Force on Orthodontic Workforce and Distribution, and Practice Management Bulletin Editorial Board to name just a few. Dr. Wang served as Chair of the AAO Council on Information Technology and was Co-Chair of AAO's first ever Technology Conference in Las Vegas. Recently he was honored to serve as scientific co-chair for the AAO Annual Session in Washington D.C. The AAO has also given Dr. Wang his 15 minutes of fame; on behalf of the association, he has filmed public service announcements, done a satellite media tour, and even had his voice on *Martha Stewart Living Radio*.

To the young doctors entering the profession, Dr. Wang encourages them to be a part of your local and national professional organizations. The friendships and lessons gained along the way will be invaluable. Take every opportunity to collaborate and look out for one another and for our specialty.

The Gerald A. Devlin Award, MASO's highest recognition, is presented annually to one of its members in recognition of his or her outstanding contributions to MASO and the specialty of orthodontics. This year the award will be presented to Dr. Lawrence Wang on Saturday, September 24, during the MASO Membership/Business Meeting from 7:30 – 8:45 AM during the 2022 MASO-NESO Annual Session at the Philadelphia Marriott Downtown in Philadelphia, Pennsylvania.

Congratulations to Dr. Larry Wang on this well deserved honor! ■



## AWARDS

### WILLIAM S. KRESS RESIDENT RESEARCH AWARD

Dr. Leanne Lin



**Dr. Leanne Lin** is the recipient of the 2022 William S. Kress Research Award for the most outstanding Research Thesis by a graduate resident within MASO's geographical area, as juried by the MASO Education/Research Committee. Her thesis is entitled *"Transverse Growth of the Mandibular Body in Untreated Children: A Longitudinal CBCT Study."*

She will receive a \$1,000 check and an award plaque. The Award will be presented during the MASO Membership/Business meeting at the MASO-NESO Annual Session, September 22-24, 2022 at the Philadelphia Marriott Downtown in Philadelphia, Pennsylvania.

Dr. Lin grew up in Taipei, Taiwan and attended Williams College, where she received her BA in Biology with honors and English. She went on to earn her post baccalaureate pre-medical certificate from Columbia University.

Dr. Lin obtained her DDS from the University of California, Los Angeles, where she was awarded the Dean's Scholarship, the Ralph & Shirley Shapiro Endowed Scholarship, and the International College of Dentists' Leadership Award. She then continued on to complete her postdoctoral residency training in Orthodontics at the University of Pennsylvania and was the Dr. Robert L. Vanarsdall Fellowship recipient of her class.

Congratulations Dr. Lin! ■

## MEETINGS



The Spring CE Program was held March 11 at the delightful Nassau Inn in Princeton, New Jersey. This year's event was held both in-person and via Zoom, with attendance of 142.

The program "Don't Ignore the Snore: Current OSA Research and the Orthodontist's Role," featured three Stanford University researchers who provided an in-depth study of obstructive sleep apnea, airway development, and related topics.

Dr. Audrey Yoon spoke on the topic, "The Role of Orthodontic Intervention in Sleep Disordered Breathing." Dr. Yoon is an adjunct assistant professor at Stanford University Sleep Medicine, an adjunct assistant professor in orthodontics at

### 2022 Spring CE Event Nassau Inn, Princeton, New Jersey

the University of Pacific, and a co-director of the pediatric dental sleep mini-residency program at Tufts University dental sleep medicine.

Dr. Soroush Zaghi joined the program via Zoom with a pre-recorded presentation on "Sleep, Breathing, Tongue-Tie, and Maxillofacial Development." Dr. Zaghi is medical director of *The Breathe Institute* in Los Angeles, CA which is dedicated to medical care, research, and education on the comprehensive treatment of tongue-tie, nasal obstruction, mouth breathing, snoring, and obstructive sleep apnea. Dr. Zaghi participated in the afternoon panel discussion via Zoom to field questions about his presentation.

Dr. Stanley Yung Liu, who is director of the Stanford Sleep Surgery Fellowship, and preceptor to the Stanford Oculoplastic Surgery Fellowship, presented on "Sleep Surgery: Restoring Bite, Breathing and Beauty." Dr. Liu practices the full scope of sleep apnea surgery including nasal, palate, tongue base, hypoglossal nerve stimulation, genioglossus advancement, and maxillomandibular advancement (MMA). ■



Join us in Philadelphia from September 22 - 24 for the 2022 MASO-NESO Annual Session at the Philadelphia Marriott Downtown. This reunion has been 9 years in the making – MASO and NESO last teamed up in 2013 in Puerto Rico at the Rio Mar Resort for an outstanding meeting. This stateside meeting will not disappoint – from the venue and its convenient location, to an extraordinary program line-up of expert speakers and topics, to a ground breaking technology showcase - *this is the meeting you've been waiting for!*

Drive in or take the train. Either way, Philadelphia is a convenient, affordable location and a great way to invest in your practice and your staff. In September when the kids go back to school, use this time to grow your practice.

## Schedule at a Glance

### Thursday, September 22

Welcome to Philly! Registration opens at 8:00am and exhibitor set-up begins at 4:00pm. Reunite with colleagues in the evening for Happy Hour at the Welcome Reception!

### Friday, September 23

Registration opens at 6am, Ben Franklin 5K Fun Run/Walk to follow. Residents Lounge, Exhibit Hall, and Digital Workflow Showcase all open at 7:00am so be sure to stop by! Sessions begin at 8:30am and continue throughout the day. The day ends with a Taste of Philly Reception with Exhibitors, followed by a sponsored Resident Reception.

### Saturday, September 24

Registration, Residents Lounge, Exhibit Hall, and Digital Workflow Showcase open at 7:00am. Sessions resume at 9:00am and continue until 5:00pm.

Visit the conference website at <https://www.masoneso2022.com> for full conference information.

## The Hotel

Make your hotel reservations at the host hotel, the Philadelphia Marriott Downtown. To receive the discounted group rate, make your reservation through the MASO-NESO room block online at our personalized group reservation site or by calling 1-800-320-5744 and reference the MASO-NESO 2022 Annual Session.

## MASO - NESO Annual Session

September 22 – 24, 2022  
Philadelphia Marriott Downtown  
Philadelphia, Pennsylvania

### MASO-NESO Annual Session Presents “Better Together – Transforming the Way We Learn”

Reservations must be made on or before **Wednesday, September 7, 2022** to receive the group rates. Any reservation made after September 7 will be confirmed on a space available basis at the current rates.

The MASO-NESO discounted room rate is:  
**\*Single/Double \$205.00 plus tax**

## Schedule at a Glance

### Thursday, September 22

10:00am - 5:00pm	NESO Board Meeting
12:00pm - 5:00pm	MASO Board Meeting
4:00pm - 8:00pm	Registration Open
4:00pm - 6:00pm	Exhibitor Set-up
5:00pm - 7:00pm	Welcome Reception

### Friday, September 23

6:00am - 6:30pm	Registration Open
6:30am - 7:30am	Ben Franklin 5K Fun Run/Walk
7:00am - 6:00pm	Exhibit Hall Open
7:00am - 6:00pm	Digital Workflow Showcase
7:00am - 6:00pm	Resident's Lounge
8:00am - 8:30am	Welcome, AAO/ Trustee Updates
8:30am - 9:15am	Mr. Dino Watt: <i>The Ideal Team Matrix: How to Turn Doctors and Staff Into a Team</i>
9:15am - 10:00am	Dr. Lisa Alvetto: <i>Taking the Lead and Working as a Team to Create Your Digital Practice</i>
10:00am - 10:30am	Break
10:30am - 11:15am	Dr. Bryan Lockhart: <i>Diamond Plus Status: Can that volume be done with In House Aligners?</i>
11:15am - 11:45am	Sponsored Industry Session I by uLab
11:45am - 12:15pm	Resident Presentations
12:15pm - 1:30pm	Lunch in Exhibit Hall
12:15pm - 1:30pm	MASO Component Meetings
12:15pm - 1:30pm	ABO Meeting
1:30pm - 3:00pm	<u>Track #1:</u> Dr. Padma Mukherjee & Dr. Shahid Aziz: <i>Surgical Orthodontics: From Traditional Fixed Appliances to Aligners</i>

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# MEETINGS

## MASO-NESO ANNUAL SESSION

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- 1:30pm - 3:00pm Track #2: Ms. Tracy Martin & Mr. Scott Caldwell: *Show Me the Money: Fee Presentations, Financial Transparency, & the Changing Demands of Millennial Consumers*
- 3:00pm - 3:30pm Break
- 3:30pm - 4:00pm Sponsored Industry Session II by Ortho 2
- 4:00pm - 5:00pm Dr. Anil Idiculla: *The Philly Special*
- 5:00pm - 6:00pm **A Taste of Philly Reception w/ Exhibitors**
- 6:00pm - 7:00pm Resident Reception
- Saturday, September 24**
- 7:00 am - 3:00 pm Registration Open
- 7:00 am - 3:30 pm Exhibit Hall Open
- 7:00 am - 3:30 pm Digital Workflow Showcase
- 7:00 am - 3:30 pm Resident's Lounge
- 7:30am - 8:45am MASO Business meeting
- 7:30am - 8:45am NESO Business meeting
- 9:00am - 9:45am Dr. Andrea Bonoir: *Working with Stressed Parents, Patients, and Doctors*
- 9:45am-10:15am Sponsored Industry Session III by LightForce
- 10:15am - 10:45am Break
- 10:45am - 12:15pm Track #1: Mr. Zane Harris & Dr. Matthew Bidwell: *Financial Management*
- 10:45am - 12:15pm Track #2: Mr. Carl Chua & Ms. Paula Coates: *TMD Management & Behavior Management and Advice from a Physical Therapy Perspective and a Pediatric Dentist*
- 12:15pm - 1:30pm Lunch in Exhibit Hall
- 12:15pm - 1:15pm Joint MASO-NESO Educator's Meeting
- 12:15pm - 1:15pm Committee Meetings
- 1:00pm - 2:00pm MASO Past President's Luncheon
- 1:30pm - 3:00pm Track #1: Mr. Brian Wright: *The Two Million Dollar Two Employee Practice;* and Dr. Sylvia Frazier-Bowers: *Lateral Posterior Open Bite: What to do and what not to do*
- 1:30pm - 3:00pm Track #2: Dr. Jeannie Moody: *Work Smarter, Not Harder: From cliché to clinical application, how to make this a reality for a happier team;* Diana Weaver: *Developing a High Performance Team*
- 3:00pm - 3:30pm Break
- 3:30pm - 6:00pm Exhibit Hall Break-Down
- 3:30pm - 4:00pm Sponsored Industry Session IV by Dental Monitoring
- 4:00pm - 5:00pm Dr. Ankur Gupta: *Ordinary Achieving Extraordinary*

•Schedule is subject to change.

Learn more about these exceptional speakers and their presentations at [www.MASO.org](http://www.MASO.org).



Dr. Lisa Alvetto



Dr. Shahid Aziz



Dr. Matthew Bidwell



Dr. Andrea Bonoir



Mr. Scott Caldwell



Mr. Carl Chua



Dr. Paula Coates



Dr. Sylvia Frazier-Bowers



Dr. Ankur Gupta



Mr. Zane Harris



Dr. Anil Idiculla



Dr. Bryan Lockhart



Ms. Tracy Martin



Dr. Jeannie Moody



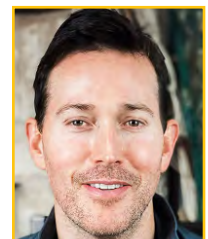
Dr. Padma Mukherjee



Mr. Dino Watt



Ms. Diana Weaver



Dr. Brian Wright

CONTINUED ON PAGE 10

# MEETINGS

## MASO-NESO ANNUAL SESSION

CONTINUED FROM PAGE 9

### Exhibitors / Sponsors

MASO and NESO would like to thank our generous partners that are making the 2022 Joint Annual Meeting in Philadelphia possible.

*Feel the excitement of a busy exhibition while you stroll the hall, chat with vendors about their newest product, compare experiences with colleagues, and remember the value you gain with those in-person interactions. It's been a while since we've seen you. Let's get together again.*

The 2022 Exhibition will be open from 7:00 am - 6:00 pm on Friday, September 23, and from 7:00 am – 3:30 pm on

Saturday, September 24. Exhibitors representing dental manufacturers, suppliers, laboratories and related services will introduce you to the latest items available.

### NEW In 2022!

### DIGITAL WORKFLOW SHOWCASE

New this year, inside the Exhibit Hall, we will feature a Digital Workflow Showcase available to all attendees, where you will be able to experience the entire 3D digital workflow process from start to finish. Participating companies will demonstrate functioning intra-oral scanners, model basing software, digital setup and aligner staging software, 3D printers, and pressure thermo-forming machines as they would be in one's office. Attendees are invited to bring STL files with them to PERSONALIZE their experience. Contact Kristin Dunn at [kdunn\[at\]neso.org](mailto:kdunn[at]neso.org) with questions.

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\*As of July 12, 2022

### Total CE Credits

This year's annual session features 11.5 hours of continuing education credit for both Doctors and Staff.

### ADA CERP® | Continuing Education Recognition Program

The Middle Atlantic Society of Orthodontists (MASO) and the Northeastern Society of Orthodontists (NESO) are ADA CERP recognized providers approved by the American Association of Orthodontists. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. MASO and NESO designate this activity for up to 11.5 hours of continuing education (CE) credits for doctors and for staff.





## MASO Participates in the AAO 2022 Leadership Development Conference

The AAO Leadership Development Conference was held in-person this year in Orlando, Florida, at the Loews Royal Pacific Resort, a short water taxi ride from Orlando Universal Studio. **Dr. Steven Siegel**, MASO Trustee to the AAO, was the chair of the committee that produced an exciting and meaningful program. Keynote speaker Dr. Brent Larson kicked off the program with a presentation on “Effective Leadership & Happiness: Understanding the Connection.” The day continued with AAO Legal and Advocacy Updates, Constituent

Sessions and Reports, and an Introduction to the AAO Leadership Network, Navigation and Resources. After lunch there were reports from the AAO Foundation, the Consumer Awareness Program, an Innovation & Transformance Update, and a Membership Update. MASO’s **Dr. Dave Harmon** and Dr. Valerie Martone, GLAO, provided a report on the Inclusion & Engagement Task Force, and the day ended with an Orthodontic Market Overview for 2022 with Chris Bentson.

The Leadership Development Conference preceded the AAO Winter Conference, and is held each year for Emerging Professionals and component leaders who are on track for key leadership roles in constituent organizations. Next year’s LDC will be held in Las Vegas, Nevada, on January 26. ■



Top Row (l to r):  
Dr. Michael Perillo, NJ; Dr. Jacob Orozco, PA; Dr. Brienne Flagg, DE; Dr. Steven Siegel, MD; Dr. Richa Dutta, MD; Jane Treiber, MASO ED.

Bottom Row (l to r):  
Dr. Brunilde Ortiz-Guiliani, PR; Dr. Catherine Campbell Worthington, MD; Dr. Jean Asmar, DC; Dr. Padma Mukherjee, NJ; Dr. David Harmon, MD.

## MASO Poster Boards

MASO residents created the following poster board presentations for the 2022 AAO Annual Meeting in Miami, Florida. The full presentation can be accessed by scanning the accompanying QR Codes.

Collated and submitted by  
**Dr. Chenshuang Li**  
University of Pennsylvania



### Thermal Characterization of Clear Aligner Materials Using Differential Scanning Calorimetry (DSC)

**Anil Ardeshta**, Rutgers School of Dental Medicine, Newark, NJ  
**Daniel McLaughlin**, Middletown, NJ  
**Dev Ardeshta**, Touro College of Dental Medicine, Hawthorne, NY

**Abstract:** Clinical performance of thermoplastics used for aligners is influenced by thermal properties and composition. Differential scanning calorimetry was used to analyze the “thermal fingerprints”. Preformed Invisalign, Great Lakes Comfort Track, Spark, and Prezurv, and formed and unformed ULalign, Essix Ace, Essix PLUS, Essix C+. Glass transition (T<sub>g</sub>), melting (T<sub>m</sub>), and crystallization (T<sub>c</sub>) temperatures were determined. Invisalign, Spark, Comfort Track, and Essix PLUS all exhibit an amorphous structure. Their glass transitions varied within a few degrees, indicating similar chemical structures and physical characteristics. Essix C+ has a primarily crystalline with minimal amorphous regions, exhibiting only melting and crystallization temperatures. Prezurv has a partially crystalline composed of a relatively even abundance of crystalline and amorphous regions, exhibiting a distinct glass transition, melting, and crystallization temperature. Thermal recycling did not have significant effect.



### Interdisciplinary Management of Skeletal Anterior Open Bite Patient with Periodontal Attachment Loss

**Vicente Telles**, University of Maryland School of Dentistry, Baltimore, MD  
**Syed Hussain**, University of Maryland School of Dentistry, Baltimore, MD  
**Monica Schneider**, University of Maryland School of Dentistry, Baltimore, MD

**Abstract:** This report presents a healthy 27-year-old female with skeletal anterior open bite, significant recession on maxillary canines and thin gingival phenotype on lower incisors. She was dolichofacial with straight profile and complained of difficulty closing her lips. She had an Angle Class I malocclusion with overjet of 0 mm and overbite of -7 mm. An interdisciplinary treatment plan was elaborated with Periodontics and Oral-Maxillo-Facial Surgery that included: free gingival graft of mandibular incisors before orthodontic treatment, extraction of maxillary first premolars to resolve maxillary crowding and proclination of upper incisors, and connective tissue graft of the maxillary canines after orthodontic treatment. The double jaw orthognathic surgery to correct the skeletal open bite involved clockwise rotation of the maxilla and setback of the mandible. Treatment was completed with ideal molar and canine relations, improving patient's aesthetics, function and periodontal conditions.

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## Orthodontic Treatment of Adult Patient with Three Impacted Permanent Canines

**Jeremy Dock**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Elise Tigani**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Jose Bosio**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** A 32-year-old African American female presented for orthodontic treatment. The patient was Angle Class I molar with impacted right and left maxillary and mandibular right canines, retained primary canines, and subsequent maxillary and mandibular crowding. Canine substitution was the treatment plan chosen, resulting in extraction of primary teeth, impacted maxillary and mandibular canines, and mandibular left first premolar. A maxillary Nance appliance was inserted for maximum anchorage as Nickel-Titanium closed coil springs were used for space closure. The patient was extremely satisfied with the result at the completion of treatment.



## Iatrogenic Open Bite Correction with Invisalign Treatment

**Katie Garrett**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Dina Sanchez**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** Sixty-year-old Caucasian female presented for orthodontic treatment at the University of Maryland with a previous history of adolescent orthodontic treatment. The patient reports wearing an appliance at night, prescribed by her general dentist, to manage her bruxism. Further examination revealed the appliance was a maxillary Hawley retainer with anterior bite plate. Patient reports over the past four years of wear, her bite has progressively changed. Examination revealed a bilateral anterior open bite from canine to canine. Options were considered for anterior bite closure with fixed appliances or clear aligner therapy. The final treatment plan included using Invisalign treatment with posterior occlusal attachments on the maxillary and mandibular first and second molars. The attachment design will facilitate a posterior bite-block effect, while maintaining esthetic smile arc and proper gingival display. Patient is happy with the progress thus far and full bite closure is anticipated.



## Improvements in Facial Esthetics as a Result of Four Bicuspid Extraction Treatment

**Syed Hussain**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Jessica Itani**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Jose Bosio**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** 11-years-old female presented to the University of Maryland Orthodontic clinic with a chief complaint, "My teeth are crooked and I want them to be straighter." Patient had a convex facial profile and protrusive lips with slight mentalis strain. Intraoral examination revealed end-on Class II division II subdivision right malocclusion, moderate maxillary and mandibular crowding, brodie bite on the right side, maxillary midline deviation, and deep overbite. She was treated with four first bicuspid extractions. A 24-months orthodontic treatment with conventional orthodontic braces resulted in Class I canine and molar occlusion, ideal incisor inclinations, along with a harmonious facial profile and significant reduction in lip protrusion. Careful bracket positioning helped preserve the consonant smile arc and attain ideal overbite and overjet. Patient was extremely satisfied with the esthetic and functional results. She was provided a maxillary Essix and mandibular fixed lingual retainer.

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## The Use of a Sliding Jig to Resolve a Class II Clinical Case

**Xuan Wu**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Matthew Vumback**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Sheng Ge**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Jose Bosio**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** A 54-year-old male patient presented to the University of Maryland Orthodontic Clinic with the chief complaint: “I want to have a better smile.” Although the patient exhibited a Class I molar and canine relationship on the right, he also presented a classic Class II division II pattern on the left, as well as a crossbite of the left maxillary and mandibular second premolars. In addition, he was determined to be skeletally Class II, with a condylar asymmetry resulting in his left condyle being 5 mm longer than his right one. However, the patient’s mandibular midline was deviated 2 mm to the left instead of to the right. A sliding jig on the left side with Class II elastics was used for Class II correction, along with mandibular IPR to resolve crowding and to establish proper overjet and overbite. Successful distalization of the maxillary left segment was achieved, mandibular midline deviation and crossbite was resolved, and the patient concluded treatment with Angle’s Class I occlusion.



## A Class II Div I Case with Severe Incisor Proclination and Lip Entrapment

**Matthew Vumback**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Xuan Wu**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Elizabeth Ottey**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Jose Bosio**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** An 11-year-old African American female patient presented to the Orthodontic Department of the University of Maryland with a chief complaint of “I don’t like how my teeth stick way out in the front”. The patient had a Class II div I malocclusion characterized by severe upper incisor proclination and a resulting lip entrapment. Management of this patient involved expansion and high-pull headgear. The expander was used to correct the patient’s constricted maxilla and had the simultaneous benefit of improving a reported concern of nasal airway breathing. A high-pull headgear allowed for distalization and intrusion of upper first molars. Upper first premolars and lower second premolars were extracted, followed by Class II inter-arch elastics to finish the case in an excellent Angle Class I occlusion.



## Orthodontic Management of Bilaterally Impacted Mandibular Canines

**Sabrina Dorfmann**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Jessica Kocan**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Scott Jenkins**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** A twenty-two-year-old African American female presented with bilaterally impacted L3s & UL3, over-retained primary teeth, UL2/LL2-3 anterior crossbite, deep bite, and moderate crowding of mandibular incisors. No significant medical history noted. Treatment included extractions of all remaining primary teeth, conventional maxillary and

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## Orthodontic Management of Bilaterally Impacted Mandibular Canines

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mandibular fixed appliances, and surgical exposure of L3s. LR3 erupted after five months of orthodontic traction while LL3 appeared to be ankylosed. CBCT showed LL3 directly facial to LL2 and contacting the middle and apical thirds of its root surface. After nineteen months of vertical, buccal, and distal traction, LL3 tip finally erupted at which point soft tissue exposure was completed chairside for full exposure. Patient was seen biweekly for four months during this period. During traction, LL3 buccal surface rotated distally by 90° and will need derotation as it is brought into the arch. Patient is happy with treatment so far.



## Consideration of Air Rotary Stripping Over Bilateral Premolar Extractions in Patients with a Combination of Mild Lower Crowding and a Class III Skeletal Tendency

**Lindsay Diaz**, *University of Maryland School of Dentistry, Baltimore, MD*

**Kelsea Ashton**, *University of Maryland School of Dentistry, Baltimore, MD*

**Viney Saini**, *University of Maryland School of Dentistry, Baltimore, MD*

**David Greene**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** A 27-year-old Hispanic female presented to the University of Maryland orthodontic clinic wanting to improve her smile. The patient had palatal expansion and her maxillary left first premolar extracted for orthodontic purposes around age 12, however, due to changes in the family's financial situation, treatment had to be stopped. Patients' midline was off 5 mm because of the blocked out mandibular right canine and mandibular asymmetry. She had Angle's Class I molar and Class II canine relationship on the right and Angle Class III molar and canine relationship on the left side. Severe mandibular crowding and cant of occlusal plane were also present. The distal root of mandibular right first molar was associated with a radiolucency present on panoramic radiograph. Radiolucency was diagnosed as traumatic bone cyst that was later excised without the extraction of any teeth. Air rotor stripping was conducted to resolve the crowding and differential elastics were used.



## A Two-Phase Nonsurgical Treatment of a Skeletal Class III Patient

**Elise Tigani**, *University of Maryland School of Dentistry, Baltimore, MD*

**Anh Dao**, *University of Maryland School of Dentistry, Baltimore, MD*

**Eric Kim**, *University of Maryland School of Dentistry, Baltimore, MD*

**Jose Bosio**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** An 8-year-old Caucasian male presented to the UMSOD clinic with a chief complaint of underbite. Patient had a tongue habit, an anterior and bilateral posterior crossbite, mild spacing on the maxilla and mandible, premature loss of the maxillary right primary 2nd molar with a band and loop present, and was in Angle's Class I molar relationship on the right and Class II molar relationship on the left. The cephalometric radiograph revealed a retrognathic maxilla, proclined maxillary incisors, protruded and proclined mandibular incisors, and a skeletal Class III malocclusion. While orthognathic surgery was discussed as a future consideration, only a tongue crib, hyrax expander, protraction facemask, tongue spurs, cervical pull headgear, and Class II and III elastics were used throughout treatment. Although there could have been more compliance with elastics, the patient finished with a slight Class III tendency and positive overjet and overbite, which overall was a great result.

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## Class II Division 1 Subdivision Right Malocclusion Treatment with Extractions and Miniscrews

**Kevin Barnes**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Elise Tigani**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Monica Schneider**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Eric Kim**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Diana Lee**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** This case report describes a 16-year-old male with a Class II Division 1 subdivision right malocclusion and anterior protrusion. He presented with chief complaint of crooked anterior teeth. Pre-treatment records showed a Class II molar relationship on the right and Class I molar relationship on the left, moderate crowding, maxillary midline deviation of 2mm to the left and mandibular midline deviation of 4 mm to the right; overbite of 5mm and overjet of 7 mm with skeletal Class II tendency. The treatment plan included asymmetric premolar extractions of upper right first premolar, upper left second premolar and lower second premolars to help correct midline deviation. Temporary anchorage devices were used to create maximum anchorage for upper canine and incisor retraction. Elastic chains and coil springs were used for space closure. The treatment was completed in bilateral Angle Class I molars and canines and with ideal overbite and overjet. Patient esthetics and function was improved.



## An Esthetic Solution for a Congenitally Missing Lateral Incisor with Canine Substitution

**Kelsea Ashton**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Jose Bosio**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Lindsay Diaz**, *University of Maryland School of Dentistry, Baltimore, MD*  
**David Greene**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** An 8-year-old Caucasian female was referred to the University of Maryland Orthodontic clinic to correct her “crossbite and crooked teeth”. She had an Angle Class II Division 2 malocclusion subdivision right, with unilateral posterior crossbite on the right side. She had an upper midline diastema with her maxillary midline deviated to the left and her mandibular midline shifted to the right, associated with a functional shift. She was in mixed dentition with a missing UR2 and a 90 degree rotation of UL2. Phase 1 treatment involved palatal expansion to correct the crossbite and a 2x4 appliance to align UL2. Phase 2 encompassed mesialization of UR3 for canine substitution. Treatment was completed with ideal occlusion and U2-2 composite bondings for improved esthetics.



## Proper Identification of Centric Occlusion and Centric Relation Discrepancies in a Pseudo-Class III Patient

**David Greene**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Kelsea Ashton**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Lindsay Diaz**, *University of Maryland School of Dentistry, Baltimore, MD*  
**Jeffrey Jarvis**, *University of Maryland School of Dentistry, Baltimore, MD*

**Abstract:** A 13-year-old African American male presented for treatment with a chief complaint of anterior crossbite, severe deep bite, mild maxillary crowding, mild mandibular spacing, asymmetric maxillary and mandibular arches, proclined maxillary incisors and retroclined mandibular incisors. Patient was unhappy with uneven smile and biting

CONTINUED ON PAGE 17



## Proper Identification of Centric Occlusion and Centric Relation Discrepancies in a Pseudo-Class III Patient

Continued from page 16

efficiency. Clinical bimanual manipulation revealed a repeatable centric relation of edge to edge and anterior slide into centric occlusion that resulted in a pseudo Class III with anterior crossbite. Finding a repeatable centric relation allowed accurate records in both centric relation and centric occlusion for proper treatment planning. Use of lingual bite ramps on the lower incisors assisted in prevention of occluding into the pseudo Class III and helped intrude the lower incisors to lessen the deep bite. After intrusion, closing vertical loops on the lower arch were used in order to close the space and bring the patient into a proper overjet.



## Improvement of Edge to Edge Bite as a Result of Four Bicuspid Extraction Treatment

**Abdulaziz Alrogi**, University of Maryland School of Dentistry, Baltimore, MD

**Syed Hussain**, University of Maryland School of Dentistry, Baltimore, MD

**Dina Sanchez**, University of Maryland School of Dentistry, Baltimore, MD

**Abstract:** A 12- year-old female presented to University of Maryland Orthodontic clinic with the chief complaint “I feel like my bottom teeth are shifting and not overlapping right.” Patient had a convex facial profile, Angle Class I molar relationship with moderate crowding in the maxillary arch and mild crowding in mandible arch, mandible midline was deviated to the right. Anterior edge to edge occlusion with lateral open-bite in the canine region was present. The patient was treated with four first bicuspid extraction for a 24-month orthodontics treatment. NITi wires, Class II elastics and close coil springs were used to close spaces. Treatment result was considered ideal and the patient was happy with result. ■

# CASE REPORT

## Erratum:

The title of the case published in the Spring 2022 edition of the MASO Journal was incomplete. The correct title and authorship is as follows:

### NON-EXTRACTION TREATMENT APPROACH FOR AN ANTERIOR CROSS BITE DENTAL MALOCCLUSION

**Jose A. Bosio, BDS, MS<sup>a</sup>**

**Abdulaziz Alrogi, BDS<sup>b</sup>**

**Ariana Feizi, DMD, MS<sup>c</sup>**

**Syed R. Hussain, DMD<sup>d</sup>**

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- <sup>b</sup> International Student on the Advance Orthodontic Program for Internationally Trained Dentists - University of Maryland School of Dentistry, Baltimore, MD
- <sup>c</sup> Private Practice, Virginia Beach, VA
- <sup>d</sup> Orthodontic Resident at University of Maryland School of Dentistry, Department of Orthodontics and Pediatric Dentistry, Baltimore, MD
- <sup>e</sup> Professor, Division of Orthodontics, Pontifícia Universidade Católica Paraná, Curitiba, Brazil ■

## A CONSERVATIVE TREATMENT APPROACH FOR AN ANTERIOR OPEN BITE CASE WITH TONGUE CRIB AND TEMPORARY ANCHORAGE DEVICE

Jay Williams, Nevil Parik, Jose A. Bosio and Padma M. Mukherjee

*Corresponding Author:*

**Padma M Mukherjee BDS, DMD, PhD**  
Associate Clinical Professor,  
Director Predoctoral Orthodontics  
Rutgers School of Dental Medicine  
Padma.mukherjee[at]rutgers.edu

**Abstract:** A 7-mm anterior open bite case caused due to a tongue posture/thrust habit was closed non-surgically using a habit appliance and myo-facial tongue exercises. The patient's missing mandibular second molar space was closed by protracting the mandibular third molar using skeletal anchorage. This comprehensive orthodontic approach resulted in good facial esthetics, a stable occlusion, and eliminated the need for long-term restorative and prosthodontic treatment.

**Introduction:** The etiology for open bite malocclusions is often thumb sucking or tongue posture/thrusting<sup>1</sup>. Elimination of the habit is critical for long-term stability. The treatment modalities to treat open bite cases include fixed orthodontic appliances, use of tongue cribs<sup>2</sup>, use of anterior elastics, tongue spurs<sup>3</sup>, skeletal plates and temporary anchorage devices (TADs)<sup>4</sup> and orthognathic surgery<sup>5</sup>. Temporary anchorage devices (TADs) have emerged as a non-surgical approach to protract molars and help with space closure without straining anchorage and without patient compliance<sup>6</sup>. In this case report, a 16-year-old female patient presented with a chief complaint of "I want the open bite fixed in my front teeth because I don't like my smile in the pictures". The patient presented with a few challenges which include: an anterior open bite of 7mm, a tongue thrust habit, a compromised mandibular right second molar that was considered for extraction, periapical lesions at the apices of mandibular right first molar and premolar, and lastly, poor oral hygiene with a high risk for decay. We considered all of these factors and chose the TAD based and habit appliance-based approach to minimize relapse and long-term commitment to prosthodontic care.

**Diagnosis and Etiology:** At the initial examination, the patient presented with a convex soft-tissue profile, a Class I molar relationship, a 7mm anterior open bite, a tongue thrust habit with an anterior tongue posture at rest, several amalgam restorations, and a lower right mandibular second molar with root canal treatment and extensive



**Figure 1.** Initial Facial and Intraoral Photographs

coronal damage. The patient also showed a reverse smile arc upon smiling, poor oral hygiene and decalcification lesions on the cervical margins of several teeth (Fig 1). The lateral cephalometric analysis revealed a skeletal Class I relation and bimaxillary dentoalveolar protrusion with flared maxillary and mandibular anterior incisors (Fig. 2A and 2B). The objectives of the treatment plan included closing the anterior open bite, eliminating the tongue thrust habit, extraction of the fractured mandibular right second molar, protraction of mandibular right third molar using TADs, restoring proper function, and improving the smile esthetics.

**Treatment Objectives and Alternatives:** Counseling on improving her oral hygiene and myo-functional tongue exercises for cessation of the tongue thrust habit and improvement of tongue posture was of paramount importance prior to proceeding with the orthodontic treatment plan. Considering the patient's age, the nature of the malocclusion, and the extensive fracture of mandibular right second molar crown, an extraction option of that tooth with protraction of mandibular right third molar using TADs with a habit breaking tongue crib appliance was determined to be the best treatment approach. An alternative treatment plan consisted of extraction of mandibular right second molar with placement of implant after the patient had completed growth was presented. The second option would involve a waiting period that could result in bone loss and the need for bone grafting. This option would result in the additional expense of an implant and crown. The first option was more conservative and involved placement of TADs to protract the mandibular right third molar and possibly result in a longer treatment time.

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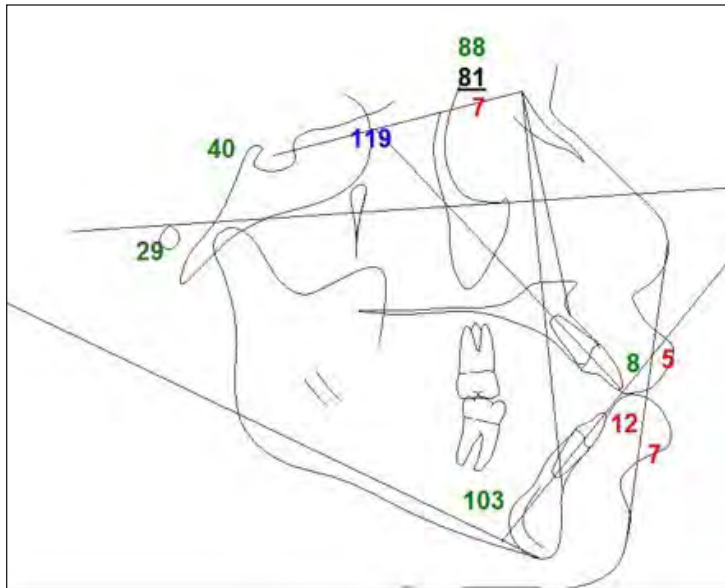


## CASE REPORT

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**Figure 2A.** Initial records. A) Lateral Cephalogram



**Figure 2B.** Initial records. B) Cephalometric Analysis

On the other hand, in the long-term this approach would be more conservative and would involve less prosthodontic treatment. The patient and family chose the first option.

**Treatment Progress:** The patient was referred to her general dentist for a prophylaxis, a fluoride treatment, and oral hygiene instruction before initiating orthodontic treatment. After fitting bands, maxillary impressions were taken to fabricate a tongue crib. The tongue crib was



**Figure 3.** Placement of tongue crib

anchored to maxillary first molars and patient was educated with tongue exercises. MBT prescription 3M brackets 0.022 x 0.028-in slot size were bonded with Transbond XT® (Fig 3) The arch wire progressed from 0.014-in (Nickel-Titanium- NiTi), to 0.018-in NiTi, 0.017 x 0.025-in NiTi, 0.016 x 0.022-in (Stainless Steel – SS) and 0.017 x 0.025-in SS as finishing working wires. Kobiachy hooks were placed on maxillary and mandibular anterior teeth and the patient was instructed to wear anterior box elastics (1/14, 3.5 oz.) at night time. With a combination of maxillary and mandibular anterior extrusive forces, patient's anterior open bite decreased to 3 mm within 5 months. (Fig 4) The patient was then referred for extraction of mandibular right second molar once in 0.016 x 0.022- SS wires. After two weeks of extraction, periapical radiograph was taken to assess and plan for TAD placement (Fig 5A). Distal to mandibular right second premolar was chosen as the most appropriate space for TAD insertion. The patient was asked to rinse with chlorhexidine, Taq 20 was placed in mandibular right quadrant and TAD was placed in keratinized tissue without incident with adequate patient comfort. Indirect anchorage was utilized by placing stainless steel ligature



**Figure 4.** Progress Facial and Intra Oral Photographs

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**Figure 5A.** Periapical radiograph



**Figure 5B.** Placement of TAD

from the TAD to the mandibular right second premolar and first molar, while both teeth were also co-ligated together.

Closing coil spring was placed from mandibular right third molar to the first molar with steel tie (Fig 5B). Patient was given instructions to rinse well with warm salt water twice a day for the first week. Patient was also educated about the importance of keeping the area clean to prevent inflammation and/or infection. Bite turbos were placed bilaterally on the occlusal surface of the mandibular first molars to dis-occlude dentition and protraction was continued until all the spaces were closed. Placement of TAD to protract mandibular right third molar was completed with elastomeric chains from the buccal and lingual sides. This procedure prevented mesial tipping of the molar. Patient developed decay on maxillary right



**Figure 6.** Final facial and intraoral photographs

first and second molar during treatment and was sent to the general dentist for restoration. The tongue crib was removed after one year due to gingival irritation and inflammation but the patient was reminded about the tongue exercises for appropriate posturing. Progress radiographs were taken and finishing bends were placed to improve root positions.

**Treatment Results:** The extraction treatment plan and protraction of mandibular right third molar with TADs and tongue crib appliance to close open bite was successful to improve facial esthetics and occlusion. (Fig. 6) Bilateral Angle Class I occlusion was achieved, and dental intercuspation, smile arc (patient's main complaint) and incisor inclinations significantly improved. (Fig 7A, 7B, 7C) Mandibular right third molar position could have been improved further, however, it would have prolonged treatment time, increasing the high-rate caries risk due to poor oral hygiene. Thus, a decision to remove braces was made once the mandibular right third molar was in an appropriate occlusion. A lingual fixed bonded retainer would have been an ideal choice, however due to hygiene and caries risk; the retention protocol was to fabricate Essix® retainers for full-time wear for six months and then night time wear for life time. She was further reminded to return to the clinic for retention appointments.

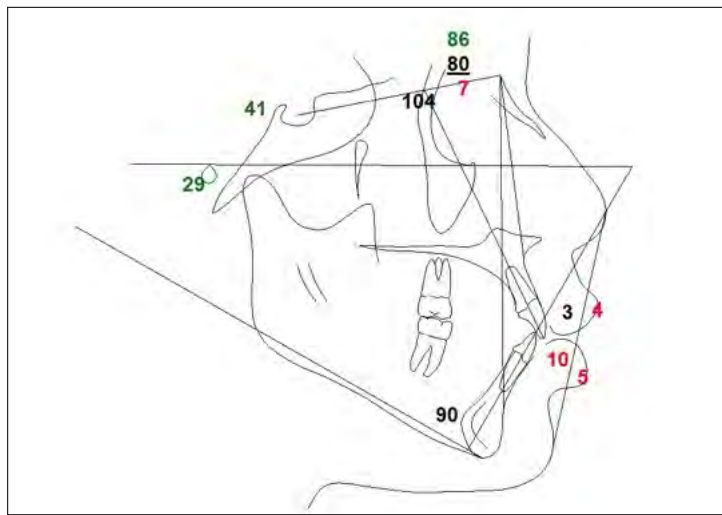
**Discussion:** The patient's chief complaint was resolved by closing the anterior open bite while improving the smile arc. Patient cooperation with anterior box elastics was excellent in this case which played a critical role in the successful outcome to closing the open bite. Consideration was also given to patient's oral hygiene and risk for decay

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**Figure 7A.** Final lateral cephalogram



**Figure 7B.** Final cephalometric analysis



**Figure 7C.** Final panoramic radiograph

## CASE REPORT

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and therefore the appliances were removed after closing the bite and protracting the mandibular third molar and also during retention. TAD was removed after the space was closed. This case report describes how orthodontic treatment using skeletal anchorage can prevent long-term restorative and prosthodontic treatment in younger patients.

### Conclusions:

- A comprehensive care approach is essential in complex open bite cases. Attention needs to be paid to the etiology of the malocclusion during treatment and for long-term stability;
- Myo-functional tongue exercises were key factors to resolve habits such as tongue posture/thrust;
- Proper utilization of skeletal anchorage helped to close the anterior open bite and resulted in improvement of patient's facial esthetics. The TAD further prevented the need for future implant and restorative treatment.

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## AAO COUNCIL REPORTS

**COUNCIL ON BENEFITS****Dr. Richa Dutta**

richadutta[at]gmail.com

That's right – Council on Healthcare has been renamed as Council on Benefits!! The members serving the Council recommended this renaming based on the feedback of our members.

We hope that it helps more of our members and their team utilize the COB resources to answer any questions regarding insurance benefits and how to best help their patients and their practices avail these benefits.

One of the lessons that the Council has learned from the 2022 CDT code changes has been that we need to educate Members and payers to achieve consistency on orthodontic claims. While we continue to work and communicate with payers, AAO staff along with the council has added new and improved resources for members and their team.

These resources include but are not limited to

- 1) 2022 Code change FAQ's
- 2) Claims Submission tip sheet
- 3) Tip sheet for negotiating network provider agreements
- 4) A checklist for all practices to prepare their team for coding changes.
- 5) A dental benefits comment box. If you have any comments or suggestions regarding dental benefits

programs, claim submissions, the CDT code, or other related matters, please feel free to comment.

For the members that attended the Miami Annual Conference, we hope you had the opportunity to stop at the first ever "Coding Corner" that was staffed by trustee Dr. Robirds, Council chair Dr. Markarian, and Staff liaison Andrew Wiltsch. We hope to make this an annual recurring event in light of the success at this year's meeting.

One of the most important items of note for all our members is that the ADA Code maintenance committee is planning a revision of the CDT codes to reduce the number of codes in the book and 'modify' them such that maxillary and mandibular arches would no longer be separate codes but instead be 'modifiers' to one master code. The council hopes that we can lead the narrative by providing a plan on how the codes would be revised for the orthodontic section rather than the changes being made by them without enough input from the AAO.

As the council reviews the Help Desk questions that the members ask, we hope to provide more relevant information that can help our members provide their patients with as much information to maximize their dental and orthodontic benefits.

If you have a question or would like to provide feedback that could help other members, please feel free to reach out to me directly at richadutta[at]gmail.com.

Hope to see you all in Philadelphia in September at the MASO annual session! In the meantime, have a great rest of 2022! ■

**COUNCIL ON COMMUNICATIONS****Dr. Lawrence B. Wang**

larwang[at]comcast.net

Best wishes for the fall season to the MASO community. It has been and continues to be an exciting time to be on the AAO Council on Communications (COC). The council members and talented AAO staff are on the front lines in our mission to promote and defend the orthodontic specialty, keep members informed of what is happening, and educate the general public. The council will be meeting face to face at the AAO headquarters in

St. Louis this September. Please feel free to reach out to me with any questions or ideas (larwang[at]comcast.net).

**AAO CAP and Member Communications Updated Strategy for 2022**

One of the AAO Council on Communications' (COC) main goals is to drive mass awareness among consumers. Our current strategy has focused our ads on sites such as Google Search, YouTube, Instagram and Facebook. The council is currently working to increase the number of consumer touchpoints the association can effectively utilize to reach the general public.

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## COUNCIL ON COMMUNICATIONS

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We hope to achieve this objective through increased usage of current tactics such as blogs, public relations and influencers. Additionally, there will be a strong push to include new media avenues and social media content. The foundation of this initiative is based on the fact that the US adult averages 10 hours and 39 minutes of screen time per day – last year averaging 3 hours and 35 minutes per day on mobile devices.

Based on this, the AAO will increase its digital video content and extend our reach to cord-cutter audiences on smart TV's, gaming consoles and set top boxes. This will be done in a targeted fashion as we team up with companies that help us identify users based on demonstrated behaviors that indicate a particular interest (orthodontics, health and wellness, etc.), channel content, broadcast type, and more. This same targeted approach will be applied to an increased use of online videos outside of YouTube, spreading awareness and capturing the audience's attention before they watch their desired video content.

Targeted display advertising will continue to be used as it is inexpensive and allows us to reach the audience in several different locations with different creative messages. This also will allow us to maximize impressions and complement what a viewer is seeing on other digital channels. We will also be incorporating more high impact display creative material to help increase brand recall and add value to the impression.

The AAO will also focus on native display and video content where the material will match the form, style, and function of the page. This strategy leads to an unobtrusive message and appears to be content on the website being viewed. There are a few additional tactics that will help increase our reach to consumers that will be shared later.

The updated consumer website will launch in November. With this new site we will address content optimization on the site which in turn will help our Google Search advertising work harder.

The AAO will continue to position AAO Orthodontists as thought leaders within the specialty and the undisputed experts for those considering orthodontic treatment through renewed and focused outreach. These efforts will occur in major and mid-size markets focusing on the messaging initiatives like age 7, mail-order treatment and adult orthodontics. Depending on the particular message, some

venues for this would be through our influencer campaign, lifestyle print media and local live or podcast interviews.

On the social media front, the AAO is using Facebook, Instagram and LinkedIn as our planned communication platforms to both members and consumers; sites which are still heavily used by our target audience. However, there will be more consumer-focused content on the social channels than before. The use of Influencers has been a successful component of our CAP strategy. It continues to capture consumer sentiment by creating an organic conversation with potential patients through Macro (audience 50K-1M) and Micro (10-50K) influencers and their respective audiences. Dependent on the particular campaign or messaging, the tactic will be to have a combination of 4-6 influencers per campaign.

The AAO will continue to produce podcasts with contents for members and consumers, using AAO members as subject matter experts.

In October, the AAO encourages its members to join in on the **#BullyingBites Anti-Bullying campaign**. The campaign has already gotten off to an amazing start with over 100 office kits requested in 2 days.

As you are aware, the AAO has produced award-winning videos over the last several years. For the 2022-23 campaign, these videos will be rotated across several video platforms year-round. This will include *Serial Straighteners*, *Almost Right Person* and *Precocious Kid* campaigns. New vignette-style videos are being planned for 2023. Stay tuned.

As always, member marketing is a distinct priority for the AAO in FY 2023. To this end, please be sure to pay attention to AAO eBulletins, the *Practice Management Bulletin*, AAO socials and the member website for more information on upcoming communications initiatives that benefit you, your colleagues, and your practice.

Keep an eye on your mailbox for the first issue of the Orthodontic Advocate, the AAO's new biannual publication covering all things related to advocacy. For interested members, you can also sign up to receive SMS text messages from the AAO. These messages contain timely and compelling information on advocacy news, event registration, association news, and other relevant topics.

Finally, thank you for your membership in the American Association of Orthodontists and the Middle-Atlantic Society of Orthodontists. ■

## AAO COUNCIL REPORTS



### COUNCIL ON GOVERNMENT AFFAIRS

**Dr. Jean Edouard Asmar**  
jeanasmar[at]aol.com

The first in-person Professional Advocacy Conference in over 2 years was held April 5-6, 2022 in Washington, DC. It was very successful with a total of 71 attendees, which included 25 orthodontic residents. The joint all-day live meeting of COGA/AAOPAC took place on April 5th and many of the discussed topics and recommendations are summarized below.

The two-day event kicked off Tuesday with a group visiting the Canadian Embassy to advocate on behalf of the 670 AAO members in Canada. The program also included presentations from Cozen O'Connor Public Strategies (the AAO's federal lobbying team), state advocacy partners, AAO staff, and members of AAO leadership. Mr. Rajesh Nayak, Assistant Secretary for Policy in the Office of the Assistant Secretary for Policy at the U.S. Department of Labor, addressed the participants in-person discussing labor shortage-related issues.



Representative Brian Babin (R-Texas) and **Dr. Jean Edouard Asmar**.

On Tuesday evening, following advocacy presentations and training, the AAO welcomed several members of Congress to a reception and dinner that was highlighted by keynotes from Congresswoman Angie Craig (D-MN) and Congressman John Joyce (R-PA). Other Congressional attendees included Representatives Buddy Carter (R-GA), Mike Simpson (R-ID), Mariannette Miller-Meeks (R-IA), Jeff Van Drew (R-NJ), Virginia Foxx (R-NC), Brian Babin (R-TX), Mike Burgess (R-TX), Andy Barr (R-KY) and Eleanor Holmes Norton (D-DC).

The evening concluded with a discussion from honored guest, Mr. Jan C. Scruggs, Founder of the Vietnam Wall.

On Wednesday morning, before participants headed to Capitol Hill for in-person meetings, Congressman Brian Fitzpatrick



SAO Trustee Richard Williams, **Dr. Jean Edouard Asmar** and SAO Delegate Dr. Daniel I. Joseph.

(R-PA) and Congressman Josh Gottheimer (D-NJ) addressed the group. In addition, and new to this year's event, residents organized table dialogue for all participants on the future of AAO advocacy. This feature was led by Dr. Remington Richardson, orthodontic resident at Indiana University.

The AAO members involved in this year's Conference advocated on behalf of numerous AAO priorities including issues concerning direct-to-consumer or mail-order orthodontics, access to orthodontic care, small business issues, and federal student loan relief.

### Component Legal Support Fund

The 2015 HOD set aside \$1 million for the purpose of supporting component organizations facing legislative, legal, or regulatory issues that affect all orthodontists in the state. The House asked the BOT to establish a business plan to ensure that the funds are appropriately and effectively distributed. The business plan the BOT established requires component organizations, who expect the cost to exceed \$15,000, to submit an application to the BOT for funds, including a summary of the issue faced, the desired outcome, and a proposal from a lobbyist or other appropriate professional (i.e. lobbyist) detailing the amount requested and the duration of time that the funds will be used.

Over half of all states have used the CLSF to help them with their state advocacy issues. Currently, the AAO is active or planning to be engaged this year in a total of 22 states. Right now, the biggest CLSF issue is state legislatures and state dental boards

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## COUNCIL ON GOVERNMENT AFFAIRS

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creating legislation and regulations related to tele-dentistry and consumer protection. States are also using the CLSF to address work force shortage issues and the barriers to becoming a dental auxiliary, such as an orthodontic or dental assistant. Over the past year, the AAO has focused on building the AAO brand and name recognition in key states, working with local lobbyists and AAO members to bring issues before state legislations, and advocating for patient health and safety. Since 2015, the AAO has assisted over 40 states and 2 Canadian Provinces using the CLSF.

**Strategic Plan Reference:***Promote and Defend our Specialty*

*Mobilize AAO members to actively engage in AAO's advocacy efforts to address practice encroachment and other legislative and policy priorities.*

**AAO Advocacy Efforts**

The Legal and Advocacy Team is working on all of the key elements for a successful advocacy program:

- Comprehensive Strategy and Goals
- Policy Priorities and Policy Bottom Lines (Federal and State)
- Federal and State Priorities and Alignment
- Targeted State Planning
- PAC Growth
- Coalition Building
- Grasstops and Grassroots Engagement
- Media Advocacy
- Advocacy Events, Updates, Trainings
- Leveraging Technology, Lobbying Resources, Political Networks

Advocacy work and influence on policy priorities continues to grow in the legislative and regulatory environments, both at the federal and state levels.

**Federal**

A letter, signed by 21 Members of Congress, was sent to the Government Accountability Office (GAO) late last fall requesting that the GAO conduct a study of the federal regulation of direct-to-consumer advertising practices for prescription medical products, including orthodontics. The GAO has agreed to conduct a summer study regarding this issue.

The Oral Health Literacy and Awareness Act, which the AAO supported in coordination with the Organized Dentistry Coalition, recently passed the House. The bill now moves to the Senate and, if passed, will positively contribute to more individuals seeking and obtaining regular dental care and becoming more aware of oral health needs, such as orthodontic treatment.

The Ensuring Lasting Smiles Act passed the House of Representatives on April 4, 2022. The bill, which the AAO has advocated on for years, requires that medically necessary dental procedures be covered for those with congenital anomalies. The bill now moves to the Senate for consideration.

**State**

AAO currently has a footprint in 22 states (22 in '22), with active legislation in KS, WA, IL, and OH.

- Legislation and regulation primarily focused on tele-dentistry.
- Engaging with Attorneys General across the country regarding:
  - . Federal Trade Commission (FTC) overreach threats
  - . Informed Consent / Consumer Rights
  - . Unpracticed License of Dentistry
  - . Advertising (mis) Representation
- The legal and advocacy department has continued to use Voter Voice to engage members in advocacy at the state and federal levels and allow them to write messages to their legislators. A decision was recently made to switch from Voter Voice to Capitol Canary, a similar platform but with additional capabilities to better focus our grassroots engagement (i.e., texting, handling issues in real time, better reporting statistics).

**COGA/PAC Task Force**

The COGA/PAC Task Force was charged "to review COGA and PAC from a cost-benefit perspective and recommend to the Board any fundamental changes deemed necessary (including potential sunset of COGA and/or PAC) and even possible creation of a new entity to address advocacy needs of our members."

The Board of Trustees approved the Task Force recommendations at its February 2022 meeting. COGA and PAC will hold a joint meeting on October 7-8, 2022 in St. Louis for the purposes of reorganizing, strategizing, training, and implementing the recommendations of the COGA/PAC Task Force, for determining how to best support one another's efforts in advocating for our members, and growing the PAC.

The COGA/AAOPAC 2.0 meeting will have the following agenda:

- Build infrastructure to turn recommendations into reality
- Perform a rigorous redesign of COGA
- Develop a complete game plan for creation of the state advocacy network

**Timeline for Implementation:**

The goal is to see a revamped program, with an effective state advocacy network up and running, in three years (April 2025). ■

## AAO COUNCIL REPORTS


**COUNCIL ON  
MEMBERSHIP, ETHICS  
& JUDICIAL CONCERNS**
**Dr. Luis Toro**

drlatoro[at]gmail.com

COMEJC had its first FY23 Zoom conference call on Monday, June 14, 2022 (7 pm CST). COMEJC welcomed two new members; Dr. Ryan Frost, RMSO Trustee, our Board of Trustees liaison, and Dr. Josh Murphy, our new RMSO member.

The other members of the Council are:

- Mr. Brandon Hackworth, AAO staff and director of AAO's Membership department
- Dr. Scott Arbit, MSO member
- Dr. Stephen Belli, GLAO member
- Dr. Jaqueline Bounce, PCSO member
- Dr. Christopher Murphy, NESO member
- Dr. Theresa Skelton, SAO member
- Dr. Matthew Ng, SWSO member
- Dr. Mary Lanier Berne-Zaytoun, CONYM liaison

After the welcomes and the approval of the agenda and minutes, Mr. Hackworth reported on the 2022-23 membership renewal campaign. The campaign was launched on June 7, 2022, and through its first week, approximately 20% of Active AAO members have renewed, comparable to the same date last year.

AAO standing policy reviews all its documents and policies every three years. The AAO has contracted an outside consultant (law firm), which will conduct a thorough review of our AAO's Principles of Ethics and Code of Professional Conduct. The consultants will submit their findings and recommendations to COMEJC before our January 2023 meeting. COMEJC will then decide which proposals to implement by way of HOD resolutions.

In February 2022, the Board of Trustees approved a recommendation from COMEJC to develop a CE course on ethical considerations for orthodontists. AAO staff have proposed a concept for the Council's review: a 90-minute, three-participant panel to discuss the topic.

The forum can be delivered via live webinar (ideal for Q&A) or as a recording that can be made available to AAO members. The Council will work on the guidelines on which the panelist will base their presentations.

Per a motion from the Board of Trustees in 2021, and during its January 2022 meeting, COMEJC agreed upon a process to assign Constituent organizations to all Service members. Mr. Hackworth reported that this process has been completed. Service members with U.S. addresses were assigned a Constituent based on their primary address on record. Members located abroad or with military addresses were asked to select a Constituent organization to which they would belong. All but about 15 Service members now have a Constituent organization.

The AAO is in the process of updating presentation materials for its Resident Vitals and Financial Management for Residents presentations, which are offered to residency programs on an annual basis. The AAO will begin inviting the programs to schedule the presentations in August for the 2022-23 academic year. I strongly recommend our MASO area residencies allow and help schedule both presentations.

As a result of a COMEJC recommendation in January 2022, the Board of Trustees approved for the AAO to update gender options available on membership applications and profiles. The AAO has added the new gender options to the member database, allowing members to update their gender through their member profiles online. The next step is to incorporate the new gender options on AAO membership applications, which is currently in process.

Following a COMEJC resolution to the 2022 HOD to waive the dues of AAO International members in Ukraine, which was approved, the HOD directed COMEJC to evaluate how to address these issues globally. Dr. Frost further communicated, per the Board of Trustees, that there will always be wars, conflicts, and other catastrophes worldwide. The Council needs to determine whether all members in these situations are eligible to apply for dues waivers or, if not, which situations should be suitable. The Council's first task is to identify a policy amendment to guide these types of situations in the future.

The meeting adjourned at 7:52 pm (CST). ■



## AAO COUNCIL REPORTS



### COUNCIL ON NEW AND YOUNGER MEMBERS

**Dr. Lauren Wiese**  
Lwiese01[at]gmail.com

The Council on New and Younger Members is excited to begin another year!

First, we welcome our newest members: AAO President-elect Dr. Myron Guymon, AAO At-Large Trustee Dr. Lauren Pass, Dr. Darshit Shah (SWSO representative from San Antonio, TX), and **Dr. Katie Garrett** (resident representative from MASO out of Baltimore, MD). I will be our new council Chair for the year.

CONYM members convened in-person, with a few members joining virtually, for our annual meeting on Thursday January 27th, 2021 in Orlando, FL prior to the AAO Winter Conference. At this meeting, members of the council discussed the following undertakings, and considered new and upcoming endeavors.

Every year, CONYM members support the AAO's membership renewal efforts by conducting outreach to colleagues within their constituent regions who have not renewed their AAO memberships. Council members contacted almost 400 non-renewed members, 48% whom renewed their memberships. CONYM will continue to make this outreach an annual initiative.

Of the "four areas of focus" identified by the Board of Trustees, CONYM is primarily focusing on the areas of practice and financial management for new and younger members. CONYM members provided updates on the following initiatives:

1. Practice Management – Dr. Brandon Shoukri shared his involvement on a joint COOP/CONYM subcommittee to develop an online lecture series for orthodontic office design. The modules will include: planning your office design project, determining your practice needs, owning vs leasing, financing your project, site location, major equipment and software for your practice, and office design layout and interior design.
2. Practice Management – Drs. Mary Lanier Berne and Mary Hoffman are collaborating on a subcommittee with Drs. Valerie Martone and Marie Lathrop from the Special Committee on Women Orthodontists to identify

content needs for women preparing for and returning from maternity leave.

3. Financial Management – The Council's presentation at GORP in 2021, by Dr. David White, was focused around financial management. It concentrated on tips around student loan refinancing, initial investment decisions, and savings goals. Content was inspired by the book, *The White Coat Investor: A Doctor's Guide to Personal Finance and Investing*.
4. Financial Management – The AAO currently offers, alongside the AAO Resident Vitals presentation, a resident financial management video series. Due to limited access, there has been discussion to transition this program online and start fresh with a similar format to the office design series.

During the AAO Annual Session in Miami, CONYM hosted the New Orthodontist and Resident Conference on Saturday, May 22nd. The event featured a TED-style presentation by Dr. John Buzzatto, from Allison Park, PA, who shared his perspective on risk management in the orthodontic practice. AAOIC sponsored the event and provided lunch to attendees. The conference finished with roundtable discussions on a variety of career and business topics. The event was well-attended and provided valuable information to residents and new orthodontists.

CONYM's new mentoring program, AAO Connections, was launched last summer. While participation is currently low, post-session feedback is excellent. CONYM has been assisting by sharing information with volunteer leadership groups and encouraging participation by recommending it to others and recruiting advisors. The emphasis is on peer-to-peer mentoring and information sharing, and features a more short-term and streamlined approach. Mentees are able to book individual sessions with mentors on a given topic and meet through the platform via one-on-one video or phone conversations.

CONYM continues to represent the AAO at the annual GORP and ASDA meetings. During GORP, a member presents to resident attendees on the CONYM initiatives and how the council represents their interests. At the ASDA Annual Session, a council member represents the AAO at an exhibit booth with an AAO staff member. Dr. Kyla Swearingen attended the ASDA meeting this past February in Louisville, Kentucky. CONYM looks forward to continuing their representation at these conferences this year.

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## AAO COUNCIL REPORTS

## COUNCIL ON NEW AND YOUNGER MEMBERS

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Members of CONYM serve as liaisons/advisors to the other AAO councils and committees. This year, advisor appointments were identified for the following councils and committees:

- COC – Dr. Emily Willett
- COE – Dr. Lauren Wiese
- COMEJC – Dr. Mary Lanier Berne

- COOP – Dr. Mary Hoffman
- CTECH – Dr. Brandon Shoukri
- COHC – Dr. Christos Papadopoulos
- COGA – Dr. Katie Garrett

CONYM members will meet virtually for conference calls in advance of our next in-person annual meeting, which will be held in St. Louis, Missouri, in early 2023. We welcome your outreach at any time with any questions, comments, or suggestions. ■

COUNCIL ON  
ORTHODONTIC EDUCATION

Dr. Anil Ardeschna

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Greeting to all! I hope everyone has a chance to enjoy the long and warm summer days and take a break from their professional lives. In this report, I share recent activities that the COE has been working on.

The revised and adopted Orthodontic CODA Standards took effect on July 1, 2022 and can be viewed at the following link: <https://coda.ada.org/~media/CODA/Files/ortho.pdf?la=en>.

The COE continues to encourage and facilitate several AAO sponsored awards and fellowships for faculty and administrators. Three full time faculty teaching awards were given. The recipients were Dr. Tarek ElShebiny (Case Western Reserve University), Dr. Laura Jacox (University of North Carolina) and Dr. Dimitrios Michelogiannakis (University of Rochester). The AAO Craniofacial Anomalies & Special Care Training Award was given to Dr. Claudia Acosta-Lenis (Case Western Reserve University).

Recipients of the AAL/AAO sponsored Chairs and Academic Administrators Management Program (CAAMP) included Dr. Phimon Atsawasuwan (University of Chicago), Dr. June Harwood (St. Barnabas Hospital, NY) and Dr. V. Wallace McCarlie (East Carolina University). The Institute for Teaching and Learning (ITL) awards went to Dr. Sudha Gudhimella (University of Louisville), Dr. Negin Katebi (Harvard School of Dental Medicine), and Dr. Karthikeyan Subramani (Roseman University).

The COE continued its support of the AAO Partners in

Research (PIR) program. Over two dozen surveys from a multitude of orthodontic programs and corporate entities were reviewed and distributed. The PIR program continues to serve as an excellent way for post graduate students and residents to fulfil their research requirements. For additional information about the PIR program, please contact me or Michelle Ritterskamp at [mritterskamp\[at\]aaortho.org](mailto:mritterskamp[at]aaortho.org).

The theme for the 2023 meeting of the American Dental Education Association is “Believe I’m Possible” and will be held in Portland, Oregon on March 11-14. The deadline for TechExpo sessions and poster presentations is September 5 and notification of acceptance will be disseminated in mid-November. For more information, please visit <https://www.adea.org/2023/Submit/>.

A Multi-Council task force, including myself, who serves on this task force for COE, is working with Dr. Li of the World Sleep Society (WSS) to provide a series of recordings on sleep apnea for the AAO online lecture site. Our recent meeting was in July and the next meeting to discuss the details of the content and production will be in September.

The COE Annual meeting of the officers will be in person at the AAO offices in October 2022.

Lastly, I encourage MASO educators to attend the Educators’ Meeting during the 2022 joint MASO/NESO Annual Session in Philadelphia in September.

Please feel free to contact me If you have any questions related to orthodontic education that you would like to bring to the council’s notice. My email is [ardeshap\[at\]sdm.rutgers.edu](mailto:ardeshap[at]sdm.rutgers.edu) and telephone number is 973-972-1892.

Best regards - stay well. ■



## AAO COUNCIL REPORTS


**COUNCIL ON  
ORTHODONTIC PRACTICE**

**Dr. Lara Minahan**  
minahanl[at]hotmail.com

**GENERAL:** COOP continues to hit the ground running and we would like to express appreciation for tireless efforts from our exceptional 2022-23 Executive Board, BOT and AAO staff. We also warmly welcome the mentorship of our BOT Liaison, Dr. Trista Felty and At-Large BOT Liaison, Dr. Anil Idiculla.

**OFFICE DESIGN SERIES:** As of the 2022 Annual Session in Miami, COOP and CONYM are proud to have released their efforts on an entirely new approach to the AAO office design webpage. Its infrastructure is supported by the professional contribution of orthodontic design and business field experts: <https://www2.aaoinfo.org/practice-management/office-design-for-the-orthodontist/>.

*Module 1:* Planning your office design project; by Jill Allen, Jill Allen and Associates

*Module 2:* Determining your practice needs; by Tracy Moawad/ Cassie Kellner, Hummingbird Assoc.

*Module 3:* Owning vs. Leasing; by Zane Harris, Cain Watters

*Module 4:* Financing your project; by Mason Stern, Cain Watters

*Module 5:* Site location and details; by Ryan Moynihan, Gaige & GeoStrategies

*Module 6:* Major equipment and software for your practice; by Dr. Brandon Shouri

*Module 7:* Office design layout and interior design; by Felipe Lopez, JoeArchitect

**AAO PRACTICE MANAGEMENT FORMS:** To best serve the membership and their clients, several valuable subjects were discussed: social media consent for patients, social media consent for employees, bonded lingual retainer consent, IPR consent, maxillary skeletal anchorage consent, partial treatment informed consent, hereditary or developmental conditions language update and, finally, the addition of expanded gender and pronoun options on all relevant patient forms. The latter modification is most timely however, as it

is relevant to our clinical practices. Forms will request the documentation of natal sex in addition to patient gender identification. COOP welcomes all member recommendations in an effort to modernize AAO forms as well as share subject suggestions (or example consent forms used in your practice) perhaps not yet broached by the AAO. Please note: review of material or a new subject or modification does not confirm future use by the AAO. Needless to say, significant vetting and legal review is required however we thank you for any contribution to the membership.

**HUMAN RESOURCES:** With the support of the AAO staff, COOP has recommended AAO website hyperlink access to relevant sites delineating state or province orthodontic assistant training centers, clinical practice limitations, and teledentistry parameters. In addition, supportive hyperlinks have been created on the AAO website linking to an interactive state-specific map noting dental licensure requirements (in addition to COVID alterations thereof). Of note, COOP has recommended, also approved by the BOT, that an HR workshop be instituted at an AAO Annual Session; the Committee on Conferences will assess the feasibility and structure of such a workshop for the 2023 Annual Session.

**ORTHODONTIC STAFF CLUB (OSC):** Doctors are continued to encourage the promotion of the Specialized Orthodontic Assistant program as well as clarify the benefits of membership on-line (website access, fee discounts, and the like). The OSC Facebook page has been transformed into a valuable education resource, encompassing topics such as team training, bolstering the member business acumen, clinical pearls, etc. Please join us: <https://www.facebook.com/groups/AAOstaffclub>.

Just a reminder: in honor of our hard working teams, the AAO Staff Appreciation Day is the first Wednesday in June. Team celebrations may, of course, extend as long as your individual practice wishes!

**PRACTICE OPPORTUNITIES AND CAREERS PROGRAM (POC):** Excellent participation and dramatic increase in use of the POC program continues; this confidential on-line program aims to match members searching for associateships, partnerships, sales, etc. Job posting upgrades are available,

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## AAO COUNCIL REPORTS

## COUNCIL ON ORTHODONTIC PRACTICE

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incorporating ZipRecruiter and the like; resume critique is offered if desired. In addition, member and non-member employers may further post orthodontic staff positions. Please, as you use the program and discover your perfect match, please do notify the AAO POC so that the site may remain current. Thank you!

**AAO-SPONSORED WEBINARS:** COOP embraces the coordination of topics for AAO webinars throughout the year. A new topic was recommended by COOP, paving the path to a webinar addressing sensitive topics that clinicians face; such topics will include DTC treated clients, transfer cases, and the like. Live and recorded program total views increased this last year over 25%.

**STAFFING SHORTAGES:** Aware that this subject remains a weighty concern throughout the membership, this Council continues to review options (beyond existing membership opportunities with CEDR HR Solutions and Trapezio), that may facilitate the orthodontic training of potential employees with varied backgrounds and

experiences. Upon COOP's suggestion, the BOT has since generated a Staff Shortages Task Force.

**REVIEW OF EHR REGULATIONS:** COOP's feedback was requested on a document summarizing new EHR (electronic health record) regulations that mandate open communication with patients that will go into effect October 6, 2022. At that time, orthodontic practices must comply with the Information Blocking Rule. Our AAO Counsel and an outside Counsel with expertise in HIPAA further collaborated to create the following resource for our members: <https://www2.aaoinfo.org/upcoming-changes-on-patient-access-to-electronic-health-records/>.

**COUNCIL TRANSITIONS:** This summer, COOP Council experienced the transition of three of its members from: CONYM, RMSO and GLAO.

The next COOP F2F meeting is scheduled to take place on October 8, 2022, at AAO Headquarters in St. Louis.

Please, as always, I welcome you to reach out at any time with questions or comments that I may share with the Council throughout the year. Once again, I genuinely thank you for the honor of serving MASO in this capacity! ■



## COUNCIL ON SCIENTIFIC AFFAIRS

Dr. Jose Bosio

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During Annual Session, COSA members judged 21 William R. Proffit Resident Scholar Award presentations and 27 Table Clinic presentations. COSA members moderated 28 Oral Research presentations and the Hellman, Sicher, Graber lectures. 239 E-Posters were available for viewing during Annual Session.

The **2022 William R. Proffit Resident Scholar Award** winners are:

**Basic Science Research**

**FIRST PLACE:** Abbey Janssen - Texas A&M University; Research title: *The long-term effects of unloading on the transdifferentiation of condylar chondrocytes*

**SECOND PLACE:** Gabrielle Wainwright - University of the Pacific; Research title: *Searching for association of GSK3 $\beta$  rs13314595 and MSX1 rs3821949 with Nonsyndromic Cleft Lip and Palate*

**THIRD PLACE:** Ke Wang - University of Connecticut; Research title: *Effects of Alendronate on periodontal ligament entheses in osteogenesis imperfecta mice*

**Clinical Research**

**FIRST PLACE:** Vivian Snider - University of Illinois - Chicago; Research title: *Detecting periodontal conditions and improving patients' oral hygiene by remote dental monitoring: a prospective study*

**SECOND PLACE:** Diaa Ossama Allahham - University of Rochester; Research title: *Association between non-extraction clear aligner therapy and alveolar bone dehiscences and fenestrations in adults with mild-to-moderate crowding*

**THIRD PLACE:** Jeffrey Mount - University of Texas - Houston; Research title: *Effect of 3D-printed material on thermoformed appliance fabrication*

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## AAO COUNCIL REPORTS

### COUNCIL ON SCIENTIFIC AFFAIRS

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**THIRD PLACE:** Ney Paredes Sampen - University of California - Los Angeles; *Research title: Skeletal and dentoalveolar changes post-expansion and post-treatment with microimplant-supported midfacial skeletal expander*



**From left to right bottom row:**

Ke Wang, Gabrielle Wainwright, Abbey Janssen, Vivian Snider

**Upper row:**

Steven Marshall, COSA chair; Daa Ossama Allahham, Ney Paredes Sampen, Jeffrey Mount

COSA members want to thank Bhavna Shroff and Lina Moreno Uribe for helping judge the 2022 William R. Proffit Resident Scholar Award.



*Judges for the 2022 William R. Proffit Resident Scholar Award.*

**From left to right bottom row:** Bhavna Shroff, Eser Tufekci, Burcu Bayirli.

**Upper row:** Greg Huang, Lina Moreno Uribe, Steven Marshall, Jose Bosio, Onur Kadioglu, Michael Duryea

The **2022 Joseph E. Johnson Clinical Award for Table Clinics** winners are:



**From left to right:** Steven Marshall, COSA chair; COSA judge Michael Duryea, COSA judge Eser Tufekci, First place award winner Laurie St. Pierre, COSA judge **Jose Bosio**



*Second place winner Erika Babikow*



*Third place winner Camille Gilbert*

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## AAO COUNCIL REPORTS

## COUNCIL ON SCIENTIFIC AFFAIRS

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FIRST PLACE: Laurie St. Pierre - Université de Montréal;  
Research title: *Heart rate variability analysis in children with sleep apnea and sleep bruxism*

SECOND PLACE: Erika Babikow - University of North Carolina – Chapel Hill; Research title: *Efficacy of mouth rinses in mitigating SARS-CoV-2 transmission*

THIRD PLACE: Camille Gilbert - Université de Montréal;  
Research title: *Efficacy of morning repositioning splints following mandibular advancement device use - a pilot study*

The **2022 Hellman, Sicher, Graber award** winners received their award plaques prior to their lectures at Annual Session.



**From left to right:** COSA member Kelton Stewart, Graber award winner Shivam Mehta, Graber award winner Po-Jung Chen, Hellman award winner Mona Hamoda, Graber award winner Steven LeRoy, Sicher award winner Amanda Gross, COSA member Steven Marshall, COSA member Emile Rossouw

Applications are being accepted for the **2023 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 2023 Annual Session website: <https://www2.aaoinfo.org/library/hellman-sicher-graber-research-awards/>. Only the online application will be accepted. The application deadline is 6:00pm EDT on October 1, 2022.

COSA will be accepting online applications to present Oral Research, Table Clinics and E-Posters at the 2023 AAO Annual Session starting the first week of August 2022. The application deadline is 6:00pm EDT on October 15, 2022.

COSA will be accepting online applications for the **William R. Proffit Resident Scholar Award** presentations at the 2023 AAO Annual Session starting the first week of December 2022. The first forty residents who apply for the program will be accepted. The application deadline is 6:00pm EST on February 1, 2023.

The 2022-2023 members of COSA are:

Dr. Steven Marshall, chair (MSO)

Dr. Burcu Bayirli (PCSO)

**Dr. Jose Bosio** (MASO)

Dr. Michael Duryea (RMSO)

Dr. Onur Kadioglu (SWSO)

Dr. J. Martin Palomo (GLAO)

Dr. Eser Tufekci (SAO)

Dr. Sumit Yadav (NESO)

Dr. Jeffrey Nickel, Member at large

Dr. Kelton Stewart, Member at large

Dr. Rolf Behrents (Trustee Liaison)

COSA's next meeting is January 6, 2023 via Zoom. ■

## AAOF UPDATE

**Dr. Orhan Tuncay**

otuncay[at]dental.temple.edu



• We invite all AAO members to support the foundation by making an annual donation.

• The **Resident Education Program** was utilized by those orthodontic residents who attended the Miami meeting. The AAOF is supporting over 750 residents through this program in 2022.

• The **AAOF Awards Program** approved 26 grant applications for funding in 2022.

## ONE PLACE, MORE OPPORTUNITIES FOR MEMBERS

Along with a new mission, the American Association of Orthodontists Foundation is now offering more opportunities for AAO members to get involved. In 2021, the AAOF welcomed the Donated Orthodontic Services (DOS) program and the Disaster Relief Fund (DRF) to its philanthropic umbrella so members can engage on multiple levels, all in one place.

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## AAOF UPDATE

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The new mission, *“The AAO Foundation is to advance the orthodontic specialty by supporting quality education and research that leads to excellence in patient care, and by promoting orthodontic charitable giving.”*

The AAOF’s passion for education and research, will always be at the forefront of what it does. Expanding the mission statement and gaining two dynamic programs truly gives the Foundation new ways to move the specialty forward. Both programs, DOS and the DRF will bring diversification to the Foundation by adding volunteerism and a way of supporting our supporters, especially during times of natural disaster.

To learn more, please visit: <http://www.aaofoundation.net/charitable-giving>.

## DONATED ORTHODONTIC SERVICES IS LOOKING FOR VOLUNTEERS

DOS is looking for volunteers in the MASO constituency to participate in this program. We currently have 300 patients in active treatment with more on our wait list to be matched with our orthodontists. To learn about this program please visit our [website](#). If you decide you are interested in volunteering or have additional questions, email us at [dos@aaortho.org](mailto:dos@aaortho.org).

## DISASTER RELIEF FUND

Did you know that the AAO Foundation has a fund just for orthodontists who have experienced a natural disaster and need support to get their practices up and running again? The [Disaster Relief Fund](#) supports our members if they end up in this type of situation. Please consider this option when you are making your annual charitable contribution, but also keep this in mind if you find yourself in this type of situation. We want to support those who are in need.

## AAOF AWARDS PROGRAM

Since the inception of the AAOF Awards Program, the AAOF has given back over \$15 million to the orthodontic specialty through research and education support. The grant proposals process has been moved to an online system and our review committee will consider applications for the 2022 funding cycle this winter and decisions will be shared in April. The AAO

Foundation received 45 applications for funding in 2022. The AAO Foundation Board approved funding of 26 awards equaling \$409,425.

## RESIDENT EDUCATION PROGRAM

The AAO Foundation recognizes the importance of residents having the opportunity to experience an AAO Annual Session, and we support them through this program by offering a one-time \$400 incentive to offset expenses to attend the conference. At the 2022 Miami AAO Annual Session, over 750 orthodontic residents applied for this incentive. The AAO Foundation will be mailing their checks this summer. For more information about this program, please visit our [website](#).

## REMEMBER THE AAO FOUNDATION IN YOUR CHARITABLE GIVING

Did you know that the AAO Foundation can accept donations not only online, but via stock transfer as well? Please consider making a [donation](#) to the foundation in 2022.

If you are interested in becoming a monthly donor, think about joining the Century Club. This is for donors who give a minimum of \$100 a month. You can sign up for this option on our [website](#) or by calling the office directly.

Also keep the AAO Foundation in mind as you create your estate plans. If you have the AAOF in your will, as a beneficiary on your retirement plan or life insurance, mentioned in your trust, etc., please notify the AAOF staff office so we can properly steward your donation as a [Keystone Society](#) member.

## FOLLOW US IN SOCIAL MEDIA

You can find the AAO Foundation in social media! If you have not already, please consider following us on Facebook, Twitter and Instagram. This is the best way to stay up to date on the happenings of the AAOF.

## FOR MORE INFORMATION

If you should have any questions or concerns, please contact Jackie Bode, AAOF Senior Vice President, at 314-292-6546 or [jbode\[at\]aaortho.org](mailto:jbode[at]aaortho.org). We look forward to seeing you in Philadelphia this fall! ■



## AAO HOUSE OF DELEGATES

**Dr. Richa Dutta**  
richadutta[at]gmail.com

The AAO House of Delegates met in person in Miami on May 20th and 23rd following 2 years of virtual meetings. The energy at this meeting was electric with so many people meeting up and reconnecting in person for the first time since they joined their Delegations.

Whether it was post pandemic efficiency or the need to get to the beach as quickly as possible, the HOD completed their deliberations and voted on the resolutions in record time!

Some significant resolutions that came through the House this year were:

- 1) Dues increase of 3% was approved for 3 years beginning 2023
- 2) The BOT can propose a budget that may be in deficit and make recommendations to the constituencies to achieve a balanced budget prior to their ad interim meetings. In the past, the BOT was responsible for providing a balanced budget to the HOD. On occasion, this proved to be challenging prior to the handling of the HOD action items.
- 3) The term of the trustee is going to be 8 years with the 9th year as President starting FY 25-26
- 4) The Council on Health Care has officially been renamed as the Council on Orthodontic Benefits (COB)
- 5) A Special Committee on Constituent Collaboration (S3C) is to be created by the Speaker of the House to
  - Consider opportunities for standardization across constituents
  - Consider opportunities to initiate partnerships across constituents
  - Consider opportunities for constituents to share ideas to help each other
  - Consider opportunities for constituents to discuss mergers
  - Consider opportunities for constituents to develop a leadership pipeline
- 6) AAO will now assign students and service members to a component based on their residency program or address on file.

- 7) CAP will continue to be funded at \$5 million per year with a \$600.00 assessment for the members and remainder from excess liquid reserves for FY 2023-24, 2024-25, 2025-26 but will be funded at \$500 for FY2022-2023
- 8) All AAO leaders are encouraged to take an implicit bias training course and the course will be available to all AAO members and their team.

A huge shout out to the MASO delegation members for working together and always keeping sight of how we can best serve our members.

Also, special thanks to Jane for all the organization behind the scenes, the AV set up, keeping me constantly on top of all the timelines, and making sure our meetings ran smoothly and successfully.

Finally, I am truly humbled by the trust that MASO delegates placed in me for the last 3 years as Chair of this delegation. I have been fortunate to make great friendships with really smart and inspiring colleagues. Thank you to all of you for your guidance and support through these years. ■



### **MASO Delegates at AAO Miami 2022**

From left to right: **Douglas Harte; Richard Isaacson; David Harmon; Ty Saini; Jean Asmar; Madeleine Goodman; Kathy Marshall; Richard Albright** (Missing from photograph: **Richa Dutta**, Delegation Chair)





## AAO PAC UPDATE

**Dr. Doug Harte**

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AAOPAC contributions do so much to help advance our advocacy priorities. Unfortunately less than 300 contributors actively give to the AAOPAC and those contributors are left to shoulder the responsibility for the nearly 15,000 AAO members who are actually eligible to contribute to AAOPAC. This results in 2% of AAO members making a difference through advocacy for 100% of our specialty. We can all do more and participate in contributing to our PAC. We must all take the personal responsibility for the future success of our profession and get involved in supporting our PAC.

The goal of the AAO is to have the AAOPAC help establish political connections and make the voices of its members heard in Washington, DC as well as the state legislators. Our PAC is building relationships with lawmakers currently on Capitol Hill. The relationships with these federal and state policymakers are essential to the continued development and implementation of strategic plans designed to improve issues such as workforce and teledentistry within the field.

The strategy is working and is already paying dividends. Supporting and engaging key Members of Congress has convinced them of the need for regulatory inquiries on mail-order orthodontic issues. In fact, the Congressmen with whom we have engaged are actively asking the Government Accountability Office (GAO) to conduct a study on the FTC and the FDA relating the DTC

prescription medical devices. AAOPAC is working hard to establish and solidify these relationships.

In another example, on May 13, 2022, the Texas State Board of Examiners took final action to enact strong new teledentistry regulations for the State of Texas. These regulations now provide the Board with a basis for enforcement against teledentistry providers (including mail-order orthodontic companies) who do not meet the minimum standards of care for orthodontic treatment. At the conclusion of the rule making process, the Board expressed gratitude to the AAO and the Texas Association of Orthodontists for their heavy involvement in the process. Included within the regulations for teledentistry, the new Texas rules require that anyone providing treatment through teledentistry “perform and review a limited physical examination when a reasonable and prudent dentist would do so under the same or similar circumstances. At a minimum, a limited physical examination should be performed and reviewed annually – that is, an in-person examination must be performed at least annually for teledentistry patients, or more frequently/sooner if the standard of care requires. The Texas Governor’s office, as part of the regulatory rulemaking process, confirmed that this new language gives the Texas board authority to enforce, where appropriate, a standard of care requiring an in-person examination prior to beginning teledentistry (remote orthodontic) treatment.

I am extremely fortunate to be part of a profession that helps our patients on a daily basis while creating beautiful smiles. I believe it is our duty to give back to our profession and the AAOPAC involvement is crucial to our profession as we navigate through these very challenging times. Thank you for your time. ■



## ABO UPDATE

**Dr. Roberto Hernandez-Orsini**

hernandez-orsini[at]americanboardortho.com

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

A total of 1,175 examinees were certified or recertified during 2021 and the first and second quarters of 2022. Listings by constituency for all examinations are located on the ABO website.

Upcoming Clinical Examinations are scheduled for October 2022 and February 2023. Online registration for these examinations can be accessed through the ABO website.

Following the successful completion of the ABO Written Examination and graduating from a CODA accredited advanced specialty education program in orthodontics and dentofacial orthopedics in the United States or Canada, the orthodontic professional may register for the ABO

## ABO YEARLY UPDATE

### Clinical Examination Update:

The ABO conducted Scenario-based Clinical Examinations in February, July and November 2021, and February 2022.

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**ABO UPDATE**

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**Scenario-based Clinical Examination.** The examination is composed of four domains using ABO provided patient cases and is designed to objectively evaluate an orthodontist's knowledge, abilities and critical thinking skills. The examination is graded on a pass/fail basis and scored anonymously by multiple ABO examiners to ensure fairness, accuracy and consistency. Clinical Examinations are held at Pearson Vue Testing Centers worldwide with travel to St. Louis no longer required.

Preparation materials are routinely updated and are located on the ABO website and include a study guide, sample cases and videos. Tools previously created to assess case outcomes will continue to be used within the scenario-based examination process, including the Electronic Cast Radiograph, Case Management Form and cephalometric superimposition technique and interpretation. Electronic Cast Radiograph Evaluation (CRE) grading has been added as an additional assessment tool thru Ortho Share 3D and is available free of charge by completing the registration information on the ABO website and submitting a license agreement to access the software. The ABO also suggests examinees complete an objective analysis of patient cases as these critical thinking exercises will strengthen an examinee's skillset when preparing for the examination while providing an opportunity for self-evaluation on case outcomes.

**The ABO is excited to announce that board certified orthodontists now account for 58% of AAO orthodontists in the specialty.** Reaching this significant level of certification is an important accomplishment. Board certification allows us to have a stronger voice to make a collective impact on setting the standard of care for our specialty. Please take a moment to view the video "Leading the Specialty" celebrating this milestone. We are leading the way, **together**.

**Certification Renewal:**

Certification Renewal is required every 10 years for board certified orthodontists to remain in an active status while pursuing the commitment to lifelong learning and personal dedication to excellence. For those who have Lifetime certification in place, voluntary certification renewal is encouraged. The renewal process may be started 36 months prior to the expiration date printed on the board-certified orthodontist's certificate. There are two options from which to choose to satisfy this requirement: Complete an online board case examination consisting of an average of 50 multiple choice questions (BCE); OR case report examination (CRE) for one case with a DI of 10 or greater

submitted by mail. Continuing Education credits via online AJODO publications are required for both options. The ABO routinely distributes reminder emails, letters and mailed pieces to those up for renewal. This Motion Graphic Video outlines the process. A study guide is located on the ABO website to prepare for the examination.

**Written Examination Update:**

The 2022 ABO Written Examination was administered to 412 examinees on April 5, 2022 at Pearson Vue Testing Centers in the United States and Canada with a 90% pass rate. The ABO Written Examination is a comprehensive exam that assesses the examinee's knowledge of basic sciences and clinical concepts based on criterion-referenced testing. The examination is composed of 240 multiple-choice questions on subject areas outlined by CODA divided into 4 modules. Requirements, eligibility and examination resources, and a suggested reading list, are all located on the ABO website. Once the examination is successfully completed, it does not expire.

**Educational Update:**

- The ABO conducted a Written Standard Meeting in St. Louis, MO April 27-29, 2022. Attendees participated in a benchmarking exercise for the examination.
- The ABO conducted a July 2021 Item Writing Session in St. Louis where educators, examiners, ABO directors and emeriti reviewed patient cases and developed questions with answers for use in future Scenario-based Clinical Examinations.
- The ABO's campaign "It Takes A Specialist", on the importance of using an orthodontic specialist, continues to evolve, with additional online digital components offered showcasing a variety of tools which require talent for success. The video has been met with favorable response and is available for use by board certified orthodontists in their offices and social media channels.
- The ABO continues to update online Educational Toolkit resources for board certified orthodontists. Items include brochures, suggested website copy, patient and team materials, videos, window clings, Brand Standards Guide and pathway graphic. Each doctor has access to their own personalized online dashboard which allows multiple office listings on the public online orthodontist locator, user-specific notifications, tracking of personal CE credit hours and the ability to print a complimentary verification letter.
- The ABO's website has been upgraded with benefits including improved functionality and overall enhanced user experience with easier access to online tools.

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## ABO UPDATE

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- The ABO's Facebook page has moved. Please follow us here: [facebook.com/americanboardoforthodontics](https://facebook.com/americanboardoforthodontics)
- The ABO has again requested an unmanned tabletop display for board certification materials at the individual constituency Annual Session meetings.
- Complimentary ABO measuring gauges for new residents will be provided to requesting CODA-accredited orthodontic programs.
- The ABO Educators Symposium, *The Change is Here-Are You on Board* honoring Dr. Katherine Vig, was held on Saturday, October 30, 2021 in St. Louis, MO. Orthodontic program department chairs, program directors and ABO-appointed advocates along with AAO trustees, CDABO council and ABO emeriti were invited to participate. A virtual component was available to those unable to attend.
- The ABO Advocacy Program continues to be successful with an ABO-appointed advocate volunteer assigned to each CODA accredited orthodontic program in the United States and Canada. The program will be evaluated to ensure content and communications continue to meet the specific needs of the schools.

### The College:

- The College of Diplomates (CDABO) continues to provide assistance to the ABO as needs are identified. Information on this organization and what they offer can be found on their website.

### GORP:

- The ABO participated in the 2021 GORP meeting and picnic held in St. Louis, MO. Drs. David Sabott and Patrick Foley were in attendance. Dr. Sabott shared information with the residents and ABO staff were available to answer questions on board certification.

### 2022-2023 ABO Directors:

The ABO Directors for the 2022-2023 year are as follows:

Dr. Patrick Foley, President, representing the Midwestern Society of Orthodontists

Dr. Timothy Trulove, President-Elect, representing the Southern Association of Orthodontists

Dr. Jae Hyun Park, Secretary-Treasurer, representing the Pacific Coast Society of Orthodontists

**Dr. Roberto Hernandez-Orsini**, Director, representing the Middle Atlantic Society of Orthodontists

Dr. Stephen McCullough, Director, representing the Southwestern Society of Orthodontists

Dr. P. Emile Rossouw, Director, representing the Northeastern Society of Orthodontists

Dr. Anthony Puntillo, Director, representing the Great Lakes Association of Orthodontists

Dr. David Sabott, Immediate Past President, representing the Rocky Mountain Society of Orthodontists

The AAO House of Delegates confirmed Dr. Daniel J. Rejman as the new 2022-2023 ABO Director representing the Rocky Mountain Society of Orthodontists.

### ABO at 2022 AAO Annual Session

- Following multiple cancellations to recognize the ABO 2020 award recipients, the ABO was pleased to finally acknowledge these deserving individuals in Miami Beach, FL during the AAO 2022 Annual Session. Congratulations!
- Dr. Rolf G. Behrents – Albert H. Ketcham Memorial Award
- Dr. Carla Evans - Dale B. Wade Award of Excellence in Orthodontics
- Dr. Perry Opin - Earl E. and Wilma S. Shepard Distinguished Service Award
- Dr. John Kanyusik - O.B. Vaughan Special Recognition Award

2023 ABO award recipients were announced during the 2022 AAO Annual Session. Congratulations to the following individuals:

- Dr. Lawrence Andrews - Albert H. Ketcham Memorial Award
- Dr. John Grubb - Dale B. Wade Award of Excellence in Orthodontics
- Dr. Henry Fields - Earl E. and Wilma S. Shepard Distinguished Service Award
- Dr. Frans Currier - O.B. Vaughan Special Recognition Award

The ABO hosted the following events during the 2022 AAO Annual Session in Miami Beach, FL:

- ABO Educator/Advocate Workshop
- ABO Open House/Info Sessions
- ABO Emeriti and Examiner Breakfast
- Welcome Reception New Board Certified Orthodontists – This inaugural meet and greet with photo opportunities was held to celebrate orthodontists who completed the board certification process since the Clinical Examination transition to testing centers.
- ABO Booth in Exhibit Hall ■

# MASO

## Middle Atlantic Society of Orthodontists

### Strategic Plan 2020-2023

GOAL	Enhance Communications to Members
OBJECTIVES	<p>MASO will use a variety of communication methods to convey the value of membership.</p> <p>MASO will tailor communications to members to make them more meaningful.</p>

GOAL	Engage Members and Provide Value
OBJECTIVES	<p>MASO will understand what members want and need from the organization.</p> <p>MASO will continue to offer strong support to Residents.</p>

#### MASO MISSION STATEMENT

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

GOAL	Elevate Member Knowledge and Expertise
OBJECTIVES	MASO will provide quality educational content to members in ways that meet member needs.

GOAL	Advance Organizational Effectiveness
OBJECTIVES	MASO will utilize its governance structure to become more effective and responsive to members.





## NOMINATING COMMITTEE REPORT

**Dr. Dr. Ty Saini**  
tysaini[at]yahoo.com

*The slate was presented to the Board by the Nominating Committee Chair, **Dr. Ty Saini**, during the MASO Board Meeting Conference Call June 8, 2022, and was approved by the Board. Dr. Saini will confirm appointments to be posted in the MASO Journal, which is to be circulated to the membership and available on the MASO website.*

*All new nominees, existing committee members and committee chairs have been notified of their selection. The slate will be presented to the general membership for approval during the MASO Member/Business Meeting at 7:30 AM on Saturday, September 24, 2022, at the Philadelphia Marriott Downtown during the MASO-NESO 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 2022-23

1. Dr. Ty Saini (MD), Prior (senior) Immediate Past President, Chair
2. Dr. Francis Picon, Immediate Past President
3. Dr. Jean Asmar, representing DC
4. Dr. Richa Dutta, President MD
5. Dr. Hilda Oweisy, President DE
6. Dr. Jennifer Morrison, President NJ
7. Dr. Jimmarie Ramos, President PR
8. Dr. Alfred de Prophetis, President PA

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

### EXECUTIVE COMMITTEE

PRESIDENT: Dr. Dave Harmon (MD) ..... 2022-23  
PRESIDENT ELECT: Dr. Alireza Omid Rajaei (MD) ..... 2022-23  
**NOMINEE**  
SECRETARY: Dr. Paul Batistini (NJ) ..... 2022-24  
TREASURER: Dr. Sana Augustus (DC) ..... 2021-23  
IMMEDIATE PAST PRESIDENT: Dr. Madeleine Goodman (MD) .. 2021-22  
TRUSTEE: Dr. Steven Siegel (MD) ..... 2022-24

### DIRECTORS

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

1. Dr. Lynette Garcia (PR) ..... 2022-25  
(Will be starting the 1st year of her second 3-year term)
2. Dr. Tejji Thomas (PA) ..... 2020-23  
(Will be starting the 3rd year of his first 3-year term)
3. Dr. Brienne Flagg (DE) ..... 2021-24  
(Will be starting the 2nd year of her first 3-year term)
4. Dr. Vanessa Morenzi (NJ) ..... 2022-25

**NOMINEE**

### 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. Richard Albright III (PA) ..... 2020-22  
Dr. Albright is completing his 2nd year of his 2nd two-year term.

**RE-NOMINATE**

2. Dr. Douglas Harte (NJ) ..... 2020-22  
Dr. Harte is completing his 2nd year of his 2nd two-year term. ....

**RE-NOMINATE**

3. Dr. Jean E. Asmar (DC) ..... 2022-24  
Dr. Asmar is completing his 1st year of his 3rd two-year term.

4. Dr. Kathy Marshall (DC) ..... 2022-24  
Dr. Marshall is completing her 1st year of her 2nd two-year term.

5. Dr. Richard Isaacson (NJ) ..... 2020-22  
Dr. Isaacson is completing his 2nd year of his 1st two-year term.

**RE-NOMINATE**

6. Dr. Ty Saini (MD) ..... 2020-22  
Dr. Saini is completing his 2nd year of his 1st two-year term.

**RE-NOMINATE**

7. Dr. Jean McGill (PA) ..... 2022-24

**NOMINEE**

### 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. Dave Harmon (MD) (As required by MASO MOP) ..... 2022-23  
(MASO President)

2. Dr. Alireza Omid Rajaei (MD) (As required by MASO MOP) ..... 2022-23  
(MASO President Elect)

3. Dr. Luis Toro (PR) ..... 2022-23

**NOMINEE**

### MASO COMMITTEES

#### I. Communications/Publications

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

1. Dr. Normand Boucher (PA) **Chair/Editor** ..... 2019-22  
**RE-NOMINATE**

1. Dr. Ryan Tamburrino (PA) 724-601-1547 ..... 2020 -23

2. Dr. Robert Laraway (MD) ..... 2021 -24

3. Dr. Lillian Height (MD) ..... 2022 -25

**NOMINEE**

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## NOMINATING COMMITTEE REPORT

CONTINUED FROM PAGE 39

### II. Education/Research

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

1. Dr. Jeff Godel (PA) 609-876-6542 **Chair** .....2020-23
2. Dr. Jose Bosio (MD) 410-706-7908 .....2021-24
3. Dr. Lobat Zainali (DC) .....2022-25  
NOMINEE

### III. Government Affairs

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

**NOTE: Chair to be elected by the Nominating Committee**

1. Dr. Padma Mukherjee (NJ) **Chair** .....2021-24
2. Dr. Milton Matos (PR) 787-787-8555 .....2020-23
3. Dr. Daniel Diaz Rubayo (PR) .....2021-24

4. Dr. Jennifer Morrison (NJ).....2022-25  
NOMINEE
5. Dr. Andrew Pedersen (PA) .....2022-25  
NOMINEE
6. Unfilled .....2022-25  
NOMINEE

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

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

1. Dr. Jose Vincens (PR) 787-633-6847 **Chair**.....2018-23
2. Dr. Courtney Rubin (PA) 516-428-5173 .....2020-25
3. Ambar Mier Lopez (PR) .....2021-26
4. Dr. Natalie Miller (MD) .....2022-27  
NOMINEE
5. Dr. Catherine Campbell Worthington (MD) .....2022-27  
NOMINEE ■

## *In Memorium*

MASO wishes to recognize the passing with an offer of sincere condolences to the family and friends of the following MASO members.

**Dr. Robert J. Isaacson,**

a life active member of West Long Beach, N.J. on November 29, 2021

**Dr. William D. Ziegler III**

of Mountaintop Pa. on January 14, 2022

## COMPONENT NEWS



District of Columbia  
Society of Orthodontists  
**Dr. Jean Edouard Asmar**  
jeanasmar[at]aol.com

The DC component will hold a meeting at the 2022 Annual Session in Philadelphia during the lunch hour on Friday, September 23rd from 12:15-1:30 PM. Looking

forward to seeing everyone for a much anticipated in-person meeting.

It was wonderful to see so many of our Component members at the Annual Session of the AAO in Miami Beach. DC was well represented.

Have a great year and we hope to see you all in Philadelphia in September! ■



**Maryland State  
Society of Orthodontists**  
**Dr. Richa Dutta**  
richadutta[at]gmail.com

After 2 years of virtual meetings, we are thrilled to announce that we will be back in person for our Fall 2022 meeting on October 28th, 2022! And as excited as we are to be back in person, we were truly excited by the success of our Spring meeting that was held virtually. The meeting was held in 2 separate sessions – one on a Friday morning and the other on a Wednesday evening to provide members the opportunity to attend one or both parts and not lose out on a day in the clinic if they needed to see patients.

In keeping with the theme of orthodontics as a multidisciplinary approach, Dr Rostami showed some very interesting cases where ortho met perio and prosthodontics to create successful treatment for the patient. In the second session, Dr Louis Malcmacher discussed incorporating Botox and dermal fillers into every orthodontic practice. Both presentations were well attended and hopefully, our

members were able to incorporate valuable lessons into their practices to provide enhanced patient experiences.

Our goal as the MSSO Board is to try and continue to make the State Society relevant to our members on a state level and I am joined in these efforts with:

- **Chris Scott**, President Elect
- **Monica Schneider**, Secretary Treasurer
- **Moshe Stern**, 2nd Director
- **Catherine Campbell**, 1st director
- **Brandon Hagan**, Past President

Hopefully, by the time you read this, you would have all participated in a survey sent to help us provide topics and services that can help all our members. If there are speakers that you would like to hear or concerns that we could address at the state level, please reach out to us at [mssortho@gmail.com](mailto:mssortho@gmail.com) or can contact us through the website [www.marylandorthosociety.org](http://www.marylandorthosociety.org).

The board members and I look forward to seeing you all at the October meeting in person.

I hope you had a wonderful summer and I wish you a successful 2022. ■



**New Jersey  
Association of Orthodontists**  
**Dr. Jennifer Morrison**  
jmmorrison3[at]hotmail.com

The New Jersey Association of Orthodontists had our first in-person general meeting for doctors and their staff since the pandemic. Members that were unable to attend in-person joined us virtually.

We welcomed Dr. Brandon Owen, the founder and CEO of KLOwen Orthodontics to our annual general meeting at the APA Hotel in Woodbridge New Jersey on April 29, 2022.

Dr. Owen's lecture entitled, "How-To" leverage the kind of Digital Workflow that leads to Practice Success, gave our members valuable insight on digital technologies.

During this full-day event Dr. Owen outlined the systems, including Stride custom braces, leveraged advanced software, 3D printing, and digital indirect bonding with patented modular brackets to achieve custom treatment results.

In the afternoon, there was a breakout session for the staff in attendance, which highlighted the implementation of the digital system.

As my presidency comes to an end, I would like to say that even during these difficult times it has been a pleasure working with such a great team of individuals. I am confident that our incoming executive board will do an outstanding job for our members.

I am pleased to announce our new executive board members. The 2022 executive board members are **Dr. Michael Perillo** (President), **Dr. Shalin Shah** (Vice-President) and **Dr. Cassie Kahn** (Treasurer).

Also, a special thanks to Dr. Sal Carcara. Our continuing education events would not be possible without your efforts.

As we look to the future, we are excited to once again host our New and Younger Members job fair that will enable our established members to interact with potential associates or partners. Dates for this event and our 2022-2023 continuing education series will be announced later this month.

We look forward to seeing everyone at MASO this September. ■





Pennsylvania  
Association of Orthodontists  
**Dr. Alfred de Prophetis**  
AlfredDDS[at]aol.com

The Board of Directors of the Pennsylvania Association of Orthodontists is looking forward to its annual meeting to be held at the Hershey Hotel from October 21-23. It will be managed by our Executive Director Dr. Tom Howley. There will be

discussions concerning our continuing education offering which was postponed at last year's meeting because of the pandemic. **Dr. Jacob Orozco** will be sworn in as president of the association and **Dr. Marian Wolford** will become our president-elect. Committee assignments will be made. We will have the pleasure of welcoming our new director, **Dr. Sarah LaRue**.

As last year's meeting provided a much-needed period of normalcy and camaraderie, we are enthusiastically anticipating this year's gathering. ■



Puerto Rico  
Society of Orthodontists  
**Dr. Jimmarie Ramos**  
jimmarie@yahoo.com

First of all, we want to inform that our dear colleague **Dr. Juan Ramón (Junior) Emmanuelli**, a bastion of our profession, passed away on April 14, 2022. For many years, he enthusiastically received numerous dental students at his orthodontic practice in Mayagüez as part of the External Clinic Program of the University of Puerto Rico School of Dental Medicine. Junior was president of the board of the PR Society of Orthodontists for one term and was part of the Dental Examiner Board of PR. We will always remember how passionate he was in all his endeavors; his cheerful and caring personality is worth emulating.



Our Society Board organized two virtual educational courses. On March, **Dr. Neil Kravitz**, shared with us an excellent and explicit presentation: "Clinical Pearls for Various Surgical Procedures" including different procedures for impacted canines, surgical uprighting of impacted mandibular second molars, among others. On June, Mr. Paul Gange, Jr. from Reliance Orthodontic Products, presented "Chairside Direction for Digitally Guided Orthodontics" and showed how different materials should be used properly to assure correct bonding for several techniques used nowadays. On the other hand, we were able to reduce the expenses on our advertising company without affecting our active public awareness campaign on [www.seo-pr.org](http://www.seo-pr.org).

During May, we gathered for a "Spring Fling", a pleasant evening social activity at the roof top of Olive Boutique Hotel in Condado, San Juan. Later, a large number of our members congregated at the successful AAO Annual Meeting in Miami. Our society helped sponsor the very well attended Alumni Meeting of the Orthodontic Graduate Program of the University of Puerto Rico. We are grateful for the continuous support and participation of our members! ■



## ALBERT EINSTEIN MEDICAL CENTER

**Dr. Vanessa Morenzi**  
morenziv[at]einstein.edu

### Resident Activities

Our rising third year residents, **Drs. Mordy Fried, Justin Middleberg, and Madeline Pitz**, graciously welcomed those who entered our program on June 24, 2022.

They are:

- **Dr. Jessica Azer** recently completed a GP residency at Monmouth Medical Center. Dr. Azer is a native of New Jersey and is a graduate of Rutgers University for her BA and DMD.
- **Dr. Alison Novakovic** completed an AEGD at Walter Reed Medical Center and served our country as a Navy dentist. Dr. Novakovic is a native of Florida where she received her BS and DMD at the University of Florida.
- **Dr. Seyung (Hannah) Yu** completed a GPR at the Brooklyn VA Medical Center and left private practice to join our residency program. Dr. Yu received her BS from the University of Notre Dame and her DDS from the Ohio State University.

### Research

As a 3rd year resident, **Dr. Michael Kotecki**, presented his research poster as at the Albert Einstein Medical Centers Research Recognition Week in April 2022. His research involved the “Reliability of Invisalign’s Bolton Analysis Tool”. As part of Align Technology’s Invisalign Clincheck software, their Bolton analysis tool shows tooth width measurements from first molar to first molar and the resulting anterior and total Bolton ratios. His research confirmed the reliability of Invisalign’s Bolton Analysis tool when compared to OrthoCAD tooth width measurements. Dr. Kotecki presented his research to Einstein Department Faculty and co-residents as part of the Maxwell S. and Anna K. Fogel Memorial Conference Grand Rounds in June 2022. We are grateful to his research mentor, **Dr. Alex Apple**, for his guidance during the research process.

During their time as 3rd year residents, **Dr. Yee Seul Chun** and **Dr. Gannon Van Allen** also presented their research on an “Investigation into The Predictive Value Of The Salzmann Index And American Association of Orthodontists Auto-Qualifiers in Relation to Medicaid Acceptance For Orthodontic Treatment”. The primary objective of this study was to investigate the correlation, if

any, between the insurance approval rates for orthodontic treatment and the measured orthodontic need determined by the Salzmann index utilized by Medicaid services in several states. The secondary objective was to assess whether certain malocclusion characteristics are more likely to get approved than others by Medicaid services. Drs. Chun and Van Allen’s research was presented as a research poster as at the Albert Einstein Medical Centers Research Recognition Week in April 2022. Dr. Van Allen and Dr. Chun also presented their research to Einstein Department Faculty and co-residents as part of the Maxwell S. and Anna K. Fogel Memorial Conference Grand Rounds in June 2022. The program thanks **Drs. Courtney Rubin** and **Rusty Long** for their input and guidance to the residents throughout the research process.

### Program Graduate Activities

For our most recently graduated Class of 2022, **Dr. Yee Seul Chun** has entered private practice with an Einstein Ortho alum in Maryland. **Dr. Michael Kotecki** has joined the private practice of our Einstein faculty, **Dr. Steve Cohen**, in his practices in Philadelphia and Southern New Jersey. **Dr. Gannon Van Allen** has entered private practice in the greater Philadelphia area. Drs. Chun and Kotecki joined the Einstein faculty upon their graduation on June 30, 2022. Each member of the Class of 2022 is grateful to their faculty and teachers for their unending, and generous, efforts in preparing them to enter the orthodontic profession.

### Faculty Activities

We wish to thank and offer our congratulations to our Associate Program Director, **Dr. Michael Roth**, for his ceaseless efforts in helping to guide our clinical program. We thank our dedicated faculty; **Drs. Alan Borislow, Steve Cohen, Chuck Gemmi, Peter Greco, Kathleen Pale, Justin Silvestre, and Adam Weiss** for their wisdom, guidance, evaluation, and support of the residents during their May and June 2022 Mock Board evaluations.

A few more of our faculty who donate their time and talents to our profession include **Dr. Paul Adams** who currently serves as President of the Greater Philadelphia Society of Orthodontists (GPSO) and who will host the annual meeting on 11/16/2022 at the Union League, Philadelphia. In addition to Paul Adams, **Drs. Steven Cohen, Chuck Gemmi, and Mark McDonough** serve as GPSO board members.

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

## GRADUATE PROGRAM REPORTS



### HOWARD UNIVERSITY

**Dr. Kathy L. Marshall**  
k\_marshall[at]howard.edu

We congratulate those matched to our program for entry in July 2022. We welcome:

**Dr. Alauna Martinez** from the University of Maryland; **Dr. Kristi Morris** from the University of Texas; **Dr. Sidalia Reed** from Meharry Medical College; and **Drs. Courtney Hollingsworth, Mahsa Ziashakeri** and **Jennifer Franklin** from Howard University and Howard University Hospital GPR program.

Presented research thesis of our graduating residents:  
Chief Resident **Dr. Donna Nichols**, *The Association of Exposure to Periodontal Inflammation on a Novel Non-Invasive Test for Diabetes*

Co-Chief Resident **Dr. John Bushrod**, *Strategies to Improve Inter-Professional Education and Collaboration Between Speech Pathologists and Orthodontists*

**Dr. Richard Byrd**, *Bolton Discrepancy Prevalence Among Various populations: Systematic Review and Meta-Analysis*

**Dr. Andrew Chun**, *Effect of Proton Pump Inhibitor (PPI) on the Bone Density of Alveolar Structure*

**Dr. Dorian Solomon**, *Disparities in Availability of Medicaid Funding for Orthodontic Treatment*

The continuing residents complete their research, teaching, and service. Covid prevalence dictates policies in the DC Area for our daily activities as the number infected wax and wane. New Second Year Residents **Dr. Natasha Bharucha** and **Dr. Samuel Harris** attended the AAO and ADEA advocacy training opportunities and onsite visits with Congress.

The Howard University College of Dentistry hosted its Undaunted Trailblazers in Dental Healthcare Symposium and book signing on June 1-2, 2022.

We are supremely grateful for Howard University Assistant Professors **Dr. Edwin Lee**, **Dr. Brandon Hagan** (MSSO Past President), and **Dr. Sana Augustus** who continues to serve on the MASO Board and newly on the AAO Inclusion & Engagement Task Force Toolkit Development Subcommittee. Their commitment and service to the HUCD Orthodontics program has been outstanding. They will be missed as they transition other events to the forefront.

Congratulations to our alumni who have achieved ABO Diplomate status and those who have recertified.

Wishing a safe and COVID free - summer 2022 to all. ■



### RUTGERS SCHOOL OF DENTAL MEDICINE

**Dr. Thomas Cangialosi**  
cangiatj[at]sdm.rutgers.edu

I wish to congratulate **Drs. Michelle Cho, Jennifer Fong, Nhi Le, Refka Salib**, and **Charmi Shah** who graduated from our program with both the certificate in Orthodontics and the Master of Dental science degree. I also want to thank Dr. Cho who served as our Chief Resident during the past year for representing her fellow residents so well and also for her help with resolving technological issues as we continue to incorporate digital technology in our department.

I am also pleased to announce that the following students have matched with our three year program for the 2021-2022 academic year: **Dr. Noah Falls** from the

University of Texas at Houston, **Dr. Olivia Josepf** from Rutgers University School of Dental Medicine, **Dr. Alia Kahn** from Columbia University, **Dr. Seo Hyun Park** from New York University and **Dr. Krya Patel** from the University of Pittsburgh. They will soon be busy with record gathering, diagnosis and treatment Planning and (yes) some wire bending as they embark on their careers in our great specialty. We have recently installed a new CBCT machine for the exclusive use of the Orthodontic Department and are using Ultra Low Dose radiation technology for our scans and for generating Cephalometric, Panoramic and other images. Our clinic is back to normal operations. Our Postgraduate students, faculty and staff did a phenomenal job the past two years in managing patient care and the research and didactic components of our program in spite of the restrictions caused by the pandemic. I wish to express my appreciation to our clinic administration for accommodating our creative clinic scheduling. ■



## GRADUATE PROGRAM REPORTS



### TEMPLE UNIVERSITY

**Dr. Jeffrey H. Godel**

jgodel[at]dental.temple.edu

Temple University Kornberg School of Dentistry Department of Orthodontics continues to enjoy the excitement and terrific achievements of the past several months. We are very proud to announce that all six residents from the **Class of 2021** have successfully challenged, with top scores, the American Board of Orthodontics clinical exam this past February. They are now Board-certified Orthodontists.

The **Class of 2022** will graduate in August. We wish them all success and long careers in our wonderful profession. We also look forward to seeing them contribute back to the orthodontic profession. They are: **Ashtyn Goodreau, Ashima Sharma, Michael Karp, Rebecca Avigael Lerman, Justyn Park** and **Sara Zadmehr**. They also have all successfully defended their Master's Theses in June 2022.

Meanwhile, the Class of 2023, **Daniel Chenman, Carolyn Serio, James Henderson, Micheal Kirshblum, Caroline Terry** and **Jack Nuveen**, enjoyed spending 10 days at the Tweed Course in Arizona. As in past years they all returned to Temple with blisters on their fingers. They are also busy preparing to receive

the baton becoming the “**big sibs**” for the incoming class of 2024.

Also, the **Class of 2024** joined us this July and started their journey into the exciting world of orthodontics. They are: **Katie Alexander** and **Corey Moletsky** from University of Pittsburgh, **Nina Golojuch** from Rutgers University, **Jenna Herr** from University of Pennsylvania, **Amanda Noyek** from Nova Southeastern University and **Daniel Seebold** from University of North Carolina. They are looking forward to attending and meet all MASO members at the upcoming meetings and are enthusiastically preparing for the TWEED course next year in Arizona.

In addition, we continue with our focus on innovation and technology. At the Podray Clinic we recently updated our 3-D Printers and digital intraoral scanners. We take special pride in our strong clinical focus and advanced technology. Our residents are excited and looking forward to their continued engagement into digital orthodontics as they soon will be able to print their own thermoplastic trays.

Finally, our department would like to express our appreciation to the outstanding group of adjunct faculty and alumni. Their continued enthusiasm and dedication to participate in the education of our residents and success of our program is remarkable.

We hope to see everyone at the 2022 MASO meeting in Philadelphia. ■



### UNIVERSITY OF MARYLAND

**Dr. Jose Bosio**

jose.bosio[at]gmail.com

UMSOD Orthodontics is pleased to announce that our current residents graduated on June 30th. **Dr. Elise Tigani** went to work with her father **Steven Tigani** in the Washington/Baltimore area. **Dr. Kelsea Ashton** returned to her hometown Carbondale, MO to work near her family. **Dr. S. Rassal Hussain** has joined a practice in Albany, NY area, and **Dr. Matthew Vumback** returned to Boston area to work in private practice. We wish them good luck in their future endeavors.

Thanks to the alumni and friends of orthodontics, most residents attended the AAO in Miami Beach, FL. The residents enjoyed to meet in person. We had a great turnout during our AAO alumni reception. It was great to see young and old members of the UMSOD alumni. We hope

our alumni continue being generous by supporting the division of orthodontics.

We are also pleased to announce that all 2nd year residents passed the ABO written examination this year. Our program strives to push every resident to pursue ABO certification by sponsoring them to take the written and the Scenario Base examination at the end of their residency.

**Dr. David Harmon** has been inducted as MASO President-elect for the next term. **Dr. Ty Saini** also continue serving MASO on specific committees, while **Dr. Steven Siegel** remains as AAO trustee, and pushing the envelope to promote many positive changes to our profession. **Dr. Chris Liang** just finished serving his term as Maryland State Dental Association president. **Dr. Saul Burk** had two case-report papers published at the AJODO these past few months, and he has created “the Wanda Flinn Fund, named after his former partner who passed away last year, to support orthodontic residents.

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## UNIVERSITY OF MARYLAND

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**Dr. Flávio M. Copello**, BDS, MS, PhD candidate, and **Dr. Maria B. Doughan**, BDS, MS have been hired as full-time faculty by our orthodontic program. Dr. Flavio join us from Rio de Janeiro, Brazil and he will continue developing his research on TAD supported RPEs, while Dr. Maria joined us from Lebanon, and she will be focusing her line of research on clinical outcomes. We are very excited to have these two new faculty members who will enhance our ability to improve our undergraduate and postgraduate programs.

The orthodontic program had the opportunity to celebrate 50-years of existence on June 3, 2022. With a program of nearly 50 attendants, UMSOD Orthodontics was able to bring all former and current department chair persons to participate and to be honored for their contribution to the program. **Drs. Jack Grewe, William Davidson, Stuart Josell, Frederick Preis, Eung-Kuo Pae, and Vineet Dhar** were present at the ceremony, which was also enriched by the excellent sleep apnea continued education lectures delivered by **Dr. J. Martin Palomo**, Program Director from Case Western Reserve University, Cleveland, OH. A great event to celebrate 50 years of orthodontic education.

We hope everyone remains healthy and strong. Thank you. ■



## UNIVERSITY OF PENNSYLVANIA

**Dr. Chun-Hsi Chung**  
chunc[at]dental.upenn.edu

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

### Congratulations

**Dr. Hyeran Helen Jeon** was the recipient of 2022 Biomedical Research Awards (BRA) from the AAOF.

Our comprehensive clinic and didactic Orientation Program will begin on July 5, 2022 as we welcome our new incoming class of 2024.

New residents enrolling July 2022:

### 26 Month Certificate Program

- Vivian Chen – UCSF 2022
- Jiahul Li – Penn 2022
- Min Kyung Shin – Penn 2022
- Sara Steinbaum – Penn 2022
- Jin Xu – Univ Pittsburgh 2022

### 3-year MSOB/Ortho Program

- Victoria Hu – Penn 2022
- Christie Shen – USC 2022

### 5-year DScD/Ortho Program (Non-Match)

- Jed Thussananutiyakul – Chulalongkorn University, Thailand 2021
- Perio/Ortho Program
- Jason Poon – UT San Antonio 2018 (Entering Ortho July 2022)

**Dr. Grâce Lee** will be completing the three-year combined Orthodontic Certificate/MSOB program. She will be defending their thesis and receiving her certificate in Orthodontics and Dentofacial Orthopedics as well as the Masters in Oral Biology diploma in June 2022. **Dr. Joseph Formosa** will be receiving his dual certificates in Periodontics and Orthodontics as he graduates from the four-year combined Perio/Ortho program.

On June 15, our graduates presented their research presentations to the faculty:

**Dr. Joseph Formosa**, *Mandibular alveolar bone thickness in skeletal class I Chinese population with different vertical patterns – a retrospective cone-beam computed tomography study*

Faculty Advisor: **Dr. Chenshuang Li**

**Dr. Nicholas Batastini**, *CBCT Analysis of the Periodontal Envelope of Treatment of Mandibular Posterior Teeth during Routine Arch Development*

Faculty Advisors: **Dr. Normand Boucher** and **Dr. Hyeran Helen Jeon**

**Dr. Stephanie Chen**, *Longitudinal CBCT study of mandibular canal changes during growth*

Faculty advisors are **Dr. Chenshuang Li** and **Dr. Chun-Hsi Chung**

**Dr. Marie-Elena Cronin**, *Bracket Breakage Rate in Patients taking Selective Serotonin Reuptake Inhibitor (SSRI) Medication: A Retrospective Study*

Faculty Advisor: **Dr. Chun-Hsi Chung**

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# GRADUATE PROGRAM REPORTS

## UNIVERSITY OF PENNSYLVANIA

CONTINUED FROM PAGE 46

**Dr. Olivia Griswold**, *The Anterior-Posterior Changes of Mandibular Dentition Associated with Lip Bumper Therapy: A Retrospective CBCT Study*

Faculty Advisor: **Dr. Chenshuang Li**

**Dr. Jingyi Wang**, *Maxillary sinus dimensions in skeletal class I population with different vertical skeletal pattern*

Faculty Advisor: **Dr. Chenshuang Li**

**Dr. Erica Weinberg**, *Correlation Between Dental Marginal Ridge Levels and Root Parallelism Using CBCT And Model Analysis*

Faculty Advisor: **Dr. Nipul Tanna**

The second year resident Mock Board Exam will take place August 1. This will be an in person exam with each resident submitting four cases + one case in new ABO format (Scenario-based Clinical Examination). Examiners will be, **Dr. Hyeran Helen Jeon**, **Dr. Chenshuang Li**, **Dr. Guoqiang Guan** and **Dr. Michael Perillo**.

On August 26, the 2022 graduation ceremony for our 26-month postdoctoral certificate program in Orthodontics and Dentofacial Orthopedics will take place.

### **Orthodontic 26-Month Certificate Program**

**Dr. Nicholas Batastini**

**Dr. Stephanie Chen**

**Dr. Marie-Elena Cronin**

**Dr. Olivia Griswold**

**Dr. Jingyi Wang**

**Dr. Erica Weinberg**

### **Three Year Masters/Certificate Program**

**Dr. Gr ce Lee**

### **Perio/Ortho Certificate Program**

**Dr. Joseph Formosa**

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

On July 22-26, 2022 Dr. Musich will give presentation during the CDABO annual meeting. Presentation title: "Behind the Smile"

Our J. Henry O'Hern annual Orthodontic Alumni Day will be held on Friday, October 28 at The Union League of Philadelphia.

This year's speaker will be Dr. Daniel Bills.

CEU credits will be available.

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

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



## UNIVERSITY OF PUERTO RICO

**Dr. Jose Morales-Diaz**

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The University of Puerto Rico Orthodontic Graduate Program had another productive and successful year. On February our seniors residents, **Dr. Angelica Herrera** and **Dr. Antonia Alfonso**, presented posters boards about *Orthodontic Preparation for Cleft Lip and Palate Patients* and *Non-Surgical Treatment Alternatives for Skeletal Open Bite Cases* respectively at The Puerto Rico Annual Dental Meeting. Last April Dr. Herrera and Dr. Alfonso traveled to Dallas, Texas to participate in the Invisalign CAARE-Clear Aligner residency education


Workshop. During last summer, **Dr. Natalia Llaurador** and **Christina Cushman** (second year residents), went to The Tweed Foundation Course in Tucson, Arizona. Our first year residents; **Dr. Nicolle Reyes** and **Dr. Nikaury Guzman** are looking forward to have the same experience this upcoming summer. Drs. Llaurador and Cushman successfully completed the American Board of Orthodontics written exam. Congratulations! Dr. Herrera and Dr. Alfonso are ready to defend their thesis; "Association between Body Mass Index and Craniofacial Vertical Dimension" and "Maxillary Canine Impactions Among 14 Years and Older Subjects". The semester finishes on June 30 and the senior residents, Dr. Herrera and Dr. Alfonso, left the program to begin their new professional lives. We are also very excited to welcome the incoming residents, **Dr. Samuel Ramos** and **Dr. Maria Teresa Rodriguez**. ■



**Dr. Normand Boucher, Editor**

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## UPCOMING EVENTS



September 22-24, 2022  
**MASO /NESO Annual Session**  
MARRIOTT PHILADELPHIA • PHILADELPHIA, PA



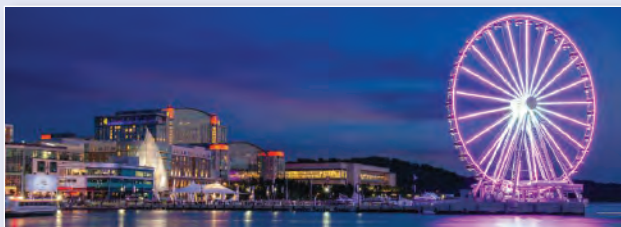
January 27-29, 2023  
**AAO Winter Conference**  
CAESARS PALACE • LAS VEGAS, NV



March 3, 2023  
**MASO Spring CE**  
BALTIMORE MARRIOTT WATERFRONT • BALTIMORE, MD



APRIL 21-24, 2023  
**AAO Annual Session**  
CHICAGO, IL



September 21-23, 2023  
**GLAO-MASO Annual Session**  
GAYLORD NATIONAL RESORT • NATIONAL HARBOR, MD