



Mark Hans,  
DDS '79, MSD '81

## From the Chairman

It is a very exciting time for our school and department. The \$500 million-plus Health Education Campus of Case Western Reserve University and Cleveland

Clinic opened in June and we are a big part of it. The campus consists of two state-of-the-art buildings, the Samson Pavilion (the educational home for the schools of dental medicine, nursing, and medicine) and free-standing Dental Clinic.

All graduate programs are now located in the new clinic where the orthodontic and craniofacial training programs occupy prime real estate. Our new seminar rooms have 150-inch LCD displays equipped with the latest software for interactive online presentations. It is difficult to describe how amazing these facilities are—they match the excellence of our residents, fellows, faculty, and staff! Do visit and experience it firsthand.

The move provided the space to update the Bolton Brush Growth Study Center, the heart of our research enterprise. This historic landmark of our orthodontic heritage remains in the old dental school building where we now have a computer laboratory, two high-end workstations, and x-ray and 3D scanners, allowing us to continue our work as a founding member of the AAOF Legacy project. We also have a study area for visiting research interns as well as storage for the Bolton X-Ray collection. Current research projects include the physiology of pediatric sleep apnea, biologic and physiologic properties of clear thermoplastic aligners, and the study of human facial development.

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## A Note from the Dean Kenneth B. Chance, DDS '79



I extend greetings to the alumni and friends of the Department of Orthodontics from the new Health Education Campus. As I sit in my office in the Samson Pavilion (that we share with the schools of medicine and nursing), I have a full view of

our new Dental Clinic as I look north across Chester Avenue. With our outstanding facilities completed and occupied, I know that many of us are just beginning to fully appreciate the magnitude of what we have accomplished together.

Now begins the true challenge of doing our important work in collaboration with our healthcare peers. Simply put, this is not just a change of venue, but a transformation in our approach to our profession. As I write this, CWRU has announced the appointment of Dr. Tyler Reimschisel as founding associate provost for interprofessional education, research, and collaborative practice. He brings a compelling vision for advancing interprofessional education across the health sciences and we welcome him.

My charge to each of the dental school departments is to find ways to enhance cross-disciplinary opportunities. If prevention is at the forefront of healthcare, then dental medicine is well positioned for a leadership role. We are teachers first, and it is in our power to guide our undergraduates, residents, and colleagues in viewing the future through this holistic lens.

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*From the Chairman continued*

We continue to attract international researchers and visitors to the center and recently hosted 20 faculty members from the People's Republic of China. The group picture was taken in front of the portraits of B. Holly Broadbent Senior and Junior that grace the walls of the shared Bolton Brush Seminar room. Special gratitude is extended to **Lysle E. Johnston, Jr., DDS, PhD**, **Kunihiko Miyashita DDS, PhD**, **Jamie Signorino DDS '95, MSD '99**, and **Nick S. Palmer, DDS '75, MS '78** who have generously donated to create endowment funds to maintain this signature asset that distinguishes our university, our school, and our department.

I also acknowledge **Angelo Daprano, DDS '67, MS '71** for his extraordinary generosity in establishing the *Tony & Louise Daprano Memorial Scholarship Fund* and the *Angelo A. Daprano Partnership for Orthodontic Excellence* that provide professional development opportunities for our residents. Generous donations of time and money characterize our alumni and faculty volunteers who keep CWRU on top of the orthodontic world.

In closing, please join me in wishing a fond farewell to longtime volunteer faculty members Dr. Terry Wenger and Dr. Howard Kossoff. I can't say enough about their decades-long commitment to our program. Both gentlemen know the meaning of the phrase "pay it forward." We wish them and their families continued success and health.

Just a reminder to mark your calendar now for the AAO Annual Meeting in Atlanta this May and the Great Lakes Meeting in September of 2020. We are trying to "get the band back together" and I hope you can join us. As always, you can contact me at: [mark.hans@case.edu](mailto:mark.hans@case.edu).

## *From the Residency Director* **J. Martin Palomo, DDS, MSD '97**



*J. Martin Palomo, DDS,  
MSD '97*

With our residency now located in the new CWRU Dental Clinic, you must visit the cutting-edge Orthodontic Clinic to appreciate what a vast improvement we have experienced. The abundant natural light, together with all new instruments and equipment, is noteworthy. Fortunately, **Cleveland will be hosting the Great Lakes Association of Orthodontists (GLAO) Annual Meeting next September**. With a centerpiece event at the Rock and Roll Hall of Fame & Museum, the conference theme is appropriately entitled *Rock Your Smile*.

This will be a great opportunity for all alumni to come back to Cleveland, visit our new facilities, catch up with faculty, and meet our residents. We are organizing a group visit to the new Dental Clinic and a CWRU Ortho Alumni Reception, **so please mark your calendar for September 24-26, 2020**. Also note that GLAO president **Walter Schratz, DMD, MSD '89** was responsible for bringing the meeting to Cleveland.

Our transition to complete digitization in the clinic is moving quickly—we rarely take impressions these days. Sincere thanks go to **Lisa Alvetto, DDS, MSD '93** for not only training our residents on 3D printing, in-house aligners and indirect bonding, but also donating a significant amount of equipment and software, including three different 3D printers. This, coupled with the recent addition of two new intra-oral scanners, makes it feel like we have jumped forward a few years in a short time span.

The residents now benefit from the most diverse orthodontic education ever. With options that include treating cases with Tweed brackets, traditional straight-wire brackets, TipEdge appliances, both passive and active self-ligated brackets, commercially available and in-house aligners, and accessories such as TADs not only for anchorage, but also for expansion or A-P appliances, treatment advances are making procedures not only more effective, but more proficient.

The research component also has reached a new high, with several residents presenting research at the AAO meeting in Los Angeles this year. **Noha Orabi, DDS, MSc, MSD '19** received the first-place Charley Schultz Resident Scholar Award for her thesis on sleep apnea.

We hope to see many of you next fall so that you can see the new facilities and how our program is taking orthodontic education to the next level.

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# Welcome New Residents

## Incoming Residents



**Azad Dhingra, DDS** is from Springfield, Ohio and completed his undergraduate studies at the University of Pittsburgh. He graduated magna cum laude from the University of Maryland School of Dentistry and was inducted in Omicron Kappa Upsilon. Post-graduation, Dr. Dhingra will return to his hometown to join his mother, Seema Dhingra, DDS '93, MSD '95, in her orthodontic practice. When not at school, he enjoys the Indian dance form bhangra and competes worldwide with his team First Class Bhangra.



**Craig Madison, DMD**, born and raised in Pittsburgh, Pennsylvania, earned both his undergraduate and dental degrees from the University of Pittsburgh. He and his fiancée moved to Cleveland in May and have enjoyed exploring all it has to offer. After his residency, Dr. Madison is open to all opportunities, but aspires to have his own practice someday. In his spare time, he enjoys fly fishing and rooting for his favorite sports teams.



**Danielle Miller, DDS** was born in Kingston, Jamaica, and received her undergraduate degree in chemistry from Howard University. After graduation, she spent a year as an analyst on Wall Street, then later as a researcher in biophysical chemistry. In 2015, she returned to Howard University for her dental degree and was inducted into Omicron Kappa Upsilon. Dr. Miller hopes to have her own orthodontic practice in both the United States and Jamaica. In her free time, she enjoys reading, traveling, and trying new foods.



**Rebecca Petts, DMD '19** grew up in Westlake, Ohio and earned her BS in biology at Indiana University where she was two-time captain of the women's soccer team and earned many awards as an athlete-scholar. At the CWRU School of Dental Medicine, she was awarded the Big Ten Postgraduate Scholarship, Callahan Award, AAO Foundation Award, OKU Award, Dr. Robert A. Kalina Memorial Scholarship, and CWRU Benefits Scholarship. Dr. Petts lives in Cleveland with her husband, Harrison (also an IU soccer player), where they enjoy traveling, wine tasting, and Cleveland sports. She plans to practice here after her residency.



**Betina Grehs Porto, DDS, MSc, PhD** was born and raised in the Brazilian state of Rio Grande do Sul and earned her DDS at the Lutheran University of Brazil (ULBRA). In 2008, she became a specialist in orthodontics at Sao Paulo State University (UNESP) where she then received her MSc in 2009. In 2015, Dr. Porto earned her PhD at UNESP where she received first place honors for her thesis (on orthodontics). She worked in private practice from 2009-2017 before moving to Cleveland with her husband, two sons, and miniature schnauzer. She plans to work in a private orthodontic practice in the United States.

## Hyun-Duck Nah & Robert Cederquist Craniofacial Fellowship Endowment Fund

Hyun-Duck Nah, DMD, MSD '84, PhD, and her husband and former faculty member Dr. Robert Cederquist, made a \$50,000 pledge to establish the *Hyun-Duck Nah & Robert Cederquist Craniofacial Endowment Fund*. The fund will provide perpetual support for the School of Dental Medicine's Craniofacial, Surgical, and Special Care Orthodontic Fellowship Program.

Dr. Nah is a craniofacial orthodontist in the Division of Plastic and Reconstructive Surgery at Children's Hospital of Philadelphia, where she also serves as the Director of the Craniofacial Research Laboratory. She has faculty

appointments at the Perelman School of Medicine at the University of Pennsylvania and the University of Pennsylvania School of Dental Medicine. In addition to previously serving as a CWRU faculty member, Dr. Cederquist is the former director of the Division of Orthodontics at Columbia University. Drs. Nah and Cederquist have a private orthodontic practice with two suburban Philadelphia offices.

*For information regarding named endowment funds, please contact the Office of Development & Alumni Relations at 216-368-3480 or [dentalumni@case.edu](mailto:dentalumni@case.edu).*

## From the Craniofacial Fellowship Director Manish Valiathan, DDS, MSD '99



Manish Valiathan, DDS,  
MSD '99

Being the first is always good. Nearly seven years ago, our Craniofacial Orthodontic Fellowship became the first accredited university-based fellowship program and it has now become the first named fellowship program thanks to the Mt. Sinai Health Care Foundation. It is

appropriately named the *Mt. Sinai - Dr. Edward Reiter Fellowship* after Cleveland's Dr. Edward Reiter, a pioneer in the field of craniofacial care.

Having a named fellowship certainly helps us to attract talented young orthodontists with an interest in craniofacial anomalies. Dr. Rany Bous is the first fellow to enjoy this honor and we welcome Dr. Rahma Elnaghy as the second—they are both accomplished and bring much to the program.

In addition to the naming of our fellowship, it has been an exciting year for the Craniofacial Orthodontic Clinic with our move to the new Dental Clinic on the Health Education Campus. This has allowed us to increase the number of chairs from three to four which will help facilitate our growing patient base.

In closing, I extend my personal gratitude to the Mt. Sinai Health Care Foundation for its generous investment that makes this important work possible. In addition, sincere thanks go to Hyun-Duck Nah, DMD, MSD '84, PhD, and her husband and former faculty member Dr. Robert Cederquist, who have established the *Hyun-Duck Nah & Robert Cederquist Craniofacial Endowment Fund*. External validation is an important benchmark in a young program's growth and so this significant gift from such highly regarded academic and craniofacial orthodontists is most appreciated.

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## Mt. Sinai-Edward Reiter Fellowship Program: Our Current Craniofacial Fellows



**Rany Bous, BDS, MSD** joined the program in January 2019. After receiving his dental degree from Cairo University and gaining some experience in orthodontics, Dr. Bous came to CWRU to complete his training. Upon

completing a fellowship, he served for three years as a resident in the Department of Orthodontics during which he received the *The Lindsey O. Kesling Orthodontic Resident Scholarship Award* and the *SMILE Professionalism Award*. Dr. Bous then decided to pursue further training in the treatment of craniofacial anomalies. He has already managed hundreds of patient visits, became an active peer reviewer for the *American Journal of Orthodontics and Dentofacial Orthopedics* and the *Cleft Palate-Craniofacial Journal*, presented his research at multiple national conferences, mentored dental students, engaged in

eight research projects, and received the "Best Abstract Award" from the *American Academy of Pediatrics*. Dr. Bous will complete his fellowship at the end of the year.



**Rahma Elnaghy, BDS, MRCS** joined the program this summer. She completed her dental training and served on the faculty of Oral and Dental Medicine at Cairo University before completing her Membership in

Orthodontics at the Royal College of Surgeons in Edinburgh. Dr. Elnaghy also served on the faculty at Misr University for Science and Technology (MUST) and was deputy manager of the educational hospital at Nahda University in Beni Suef (NUB), both in Egypt. Post-fellowship, she aspires to join a dental school faculty, serve on a craniofacial team, open a private practice, and continue to advance craniofacial research.

# Dr. Terry Wenger and Dr. Howard Kossoff Retire

*“The one-on-one mentoring of our residents by our faculty is a major strength of our training program—both Dr. Wenger and Dr. Kossoff have done an outstanding job of teaching our residents to ‘think like orthodontists.’ We will miss their sage advice as they embark on their next odyssey.”*

– Chairman Mark Hans



## Terrence Wenger, DDS '67, MS '69

After practicing orthodontics for five decades in Mayfield Heights and serving as a CWRU volunteer faculty member since 2003, Dr. Terry Wenger recently began his well-earned retirement. He is quick to note that his greatest joy was sharing his profession with his two sons—Ryan Wenger, DDS, MSD '98, who practices in Mayfield Heights and Reid Wenger, DDS '02, MSD '07, who has offices in Aurora, Lakewood, and Westlake. Ryan, who joined his father in teaching at the dental school, will continue in that capacity.

A star athlete as an undergraduate at Western Reserve University, Dr. Wenger had already been accepted to the dental school when he was offered a contract by the Cleveland Indians. During his two years in the minor leagues, he played next to notables Tommy John, Luis Tiant, and Sonny Siebert—but dental school, ultimately, was his calling.

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## Howard Kossoff, DDS, MS '75

Dr. Howard Kossoff grew up in South Euclid where his father practiced general dentistry. In keeping with family tradition, he entered The Ohio State University following in the footsteps of his father, brother, and uncles and was accepted into



its College of Dentistry during his junior year. Upon graduating in 1971, he enrolled in the U.S. Army's early commission program and served at Fort Bragg, North Carolina before being accepted into the Orthodontic Program at CWRU in 1973.

Dr. Lysle Johnston, the department chair at that time, had a profound influence on the young Dr. Kossoff, who notes that his mentor endures as a pillar of orthodontic research and education. Through Dr. Johnston, he was introduced to other great orthodontists including Drs. Arthur Phelps, Milton Rabine, P.R. Begg, Robert Ricketts, Donald Enlow, Richard Parkhouse, Peter Kesling, Chris Kesling, Sanford Neuger, Dennis Beeson, and Doug Amberman, as well as the Tweed Group.

“These individuals had a lifetime impact on my thinking, career, and desire to help my patients, as well as the desire to pass my passion for orthodontics on to four decades of dental students as clinic director,” adds Dr. Kossoff.

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SCHOOL OF DENTAL MEDICINE

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#### *Wenger continued*

As a dental student, Dr. Wenger served as class president all four years, earned the prestigious Callahan Award for his clinical and leadership skills, and was elected to Omicron Kappa Upsilon. He continued his service to dentistry throughout his career, serving as president of the Cleveland Society of Orthodontists, the Alumni Association of the CWRU School of Dental Medicine, and the U.S. Dental Tennis Association. In 1995, Dr. Wenger was elected into the International College of Dentists.

When looking back on his 50 years as an orthodontist, Dr. Wenger fondly notes that he served many families over three generations. He enjoyed the team aspect of orthodontics as he motivated and educated patients to achieve the best results possible.

Dr. Wenger looks forward to spending more time with his wife, Judy, and three children (including daughter Renee who is a physical therapist), and five grandchildren. He also enjoys gardening, playing tennis, and collecting baseball memorabilia. In addition, Dr. Wenger will continue to share his passion for orthodontics by lecturing annually to CWRU residents on the business aspects of a dental practice.

#### *Kossoff continued*

Dr. Kossoff bought his original practice from Dr. Rabine in 1975, the same year that he began teaching at CWRU. He would twice serve as clinic director—under Dr. Johnston and more recently under Dr. Mark Hans. After retiring from private practice in 2011, Dr. Kossoff devoted himself to orthodontic education and is grateful that he was able to participate in the opening of the new Health Education Campus.

While he will miss everyone at the dental school, Dr. Kossoff and his wife Susan have happily relocated to Atlanta to be near their two grandchildren. They appreciate having more time to spend with all three of their married children—Joshua, Matthew, and Jenna. Reflecting on his deep ties to the School of Dental Medicine and Department of Orthodontics, Dr. Kossoff says simply: “You can take the man out of Cleveland, but you can’t Cleveland out of the man.”