

'Art is endless,' and so is the art of orthodontics *continued*

In 2006, one-year post-clinical training became mandatory for newly licensed dentists. A student must pass two National Board exams to become a licensed dentist. One exam must be passed at the fourth grade year of dental school, and another just after graduation. "The success rate gradually decreases because the government controls the number of the dentists in Japan," Dr. Miyashita says. "The ratio of successful applicants of the dentist National Board examination is less than 70% in 2010. It used to be more than 95% 20 years ago." There are no State Board exams, so licensed dentists can open their practices anywhere in Japan.

"Kuni has an international reputation as a master cephalomatrician," Dr. Hans says. "He combines orthodontic art and science in a beautiful way. We are lucky to have him on our faculty. Professors like Kuni put CWRU on the world map."

Looking into the future, Dr. Miyashita thinks orthodontic education will have to change with the times. "Not only orthodontic education, any field of education has to change," he says. "Social, medical, and welfare services have to change to supply the people better quality of life and better medical care. In terms of orthodontics, there are so many things to learn, and I'm sure what students will have to study is going to increase."

He doesn't have any doubts about the future of orthodontics, however. As long as its practitioners honor their artistic spirit, it — like great art — will always be with us.

E-MAIL: miyashita92hiko@mac.com

Join Us!

Reception during the American Association of Orthodontists Annual Session

<http://dental.case.edu/alumni/events.html>

Sunday, May 2, 2010
5:00 p.m. – 7:00 p.m.
Renaissance Washington, D.C. Hotel
999 Ninth Street, N.W.
Washington, DC

Be True to Your School

Why give back to the CWRU School of Dental Medicine and the Department of Orthodontics? **Jack Beattie, D.D.S., M.S. '63**, who donated \$100,000 to name the Broadbent Institute of Craniofacial Research, recalls that he was selected as a research fellow in dentofacial morphology to work directly under both Drs. B. Holly Broadbent Sr. and Jr. at the Bolton Foundation. "The opportunity enabled me to acquire my orthodontic training while at the same time doing original research at this world-renowned facility," Dr. Beattie says. "I enjoyed a very close personal relationship with both Sr. and Jr. and to this day, I remain grateful for that memorable experience."

"Upon learning of the university's need for a lead donor to accomplish the naming of the new imaging center after the Broadbents, I viewed it not only as a personal obligation, but also as a privilege to give back to our university, particularly while honoring those two individuals who had such a profound influence on my career."

Ron Carmen, D.D.S., '73, M.S. '78 recently donated a scanner that converts models into digital images. He also donates to enable students to attend meetings such as the American Association of Orthodontics. "Orthodontics has been very good to me and I feel I should do everything I can to make it good for other people," Dr. Carmen says. "Orthodontics is a great job that has provided me with a very nice lifestyle, and I would advise other alums to remember that if it wasn't for the CWRU dental school they wouldn't be where they are. It's a small price to give something back to help other people."

Dennis (Corky) Bernard, D.M.D. '71, M.S. '76, designated \$250,000 in his estate plans to the orthodontics program in honor of Lysle Johnston. He says a quote from Sir Isaac Newton best represents his reasons for giving back so generously to the school: "If I have seen farther than others, it is because I stood on the shoulders of giants."

For more information, contact the Office of Development and Alumni Relations at (877) 468-1436 or (216) 368-3480.

Incoming Residents



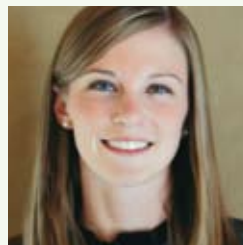
Cyrine Cachecho is a 24-year-old Belgian citizen who grew up in Brussels and had the chance to accompany her parents on many trips around the world. "That gave me the opportunity to discover other cultures, and become tolerant and broad-minded," she says. She begins her post-graduate studies at the CWRU School of Dental Medicine after six years of dental studies at the Catholic University of Louvain in Brussels. The research themes she is most interested in are functional problems, cleft lips and palates, and self-ligating brackets.



Gary Copeland was born and raised in Cleveland. He attended University School, then earned his undergraduate degree from Morehouse College and graduated from Howard Dental School. A three-sport athlete in high school (football, basketball, and baseball), Gary played four years of varsity baseball in college. "I chose the CWRU School of Dental Medicine because of the stellar training the residents receive, the large number of faculty, and the fact that I was thoroughly impressed by the school during my interview," he says. Gary hopes to one day have his own practice in Cleveland.



Heather Horton is from Chippewa Falls, Wisconsin. She earned her D.D.S. from the University of Minnesota. "I chose CWRU because it seems like a very well-rounded program, strong in both clinical and research aspects," she says. Her research at the University of Minnesota related to digital orthodontic models, and she is very interested in researching how dental technologies can be effectively incorporated into orthodontic practice. Heather is a sports fan and was a cross-country runner and track-and-field athlete in college.



Lyndsey McCaskey, from Butler, PA, is a 2006 graduate of Washington & Jefferson College where she earned a degree in cell/molecular biology and played four years of soccer. She will be joining the CWRU School of Dental Medicine from Virginia Commonwealth University School of Dentistry. "I am very excited to attend an institution that has integrated clinical and academic education so well, and I am proud to become a part of a program with such a rich history in its commitment to research in facial growth and development," she says. Lyndsey is interested in investigating the psychosocial impact of having various orthognathic relationships in the mixed dentition.



Laura Streit is from Saginaw, Michigan. She earned both her undergraduate and D.D.S. from the University of Michigan in Ann Arbor. "I was thrilled to have the opportunity to apply to the CWRU School of Dental Medicine," she says. "It is a world-class program and part of a fantastic medical complex." Her main area of interest is craniofacial anomalies. Laura moved to Cleveland last summer with her husband, John, who is a surgical resident at the CWRU School of Medicine.

A MESSAGE FROM THE PROGRAM DIRECTOR



J. Martin Palomo, D.D.S., M.S.D., '97

After a successful accreditation year, where our program passed with "flying colors," we are keeping up the good work, and continuing to grow.

Boot camp is ready for the incoming class. During the last two weeks of June, boot camp starts with a lecture and hands-on course on orthodontic basics given by Richard Griffith and William Koenig, followed by a biomechanics day with Gerald Samson. Kuni Miyashita

travels from Japan to teach in this event; he presents a course on radiographic anatomy, and a hands-on wire bending workshop using his own invention, the versatile Kuni plier. The following week features Lysle Johnston's seminar on the history of orthodontics, followed by his embryology course. We then introduce the new residents to department protocols. Boot camp wraps up with an introduction to 3D imaging. By the end of that week, new residents have 50 teenaged patients assigned to them, with all records already taken. Their task is to diagnose and create a treatment plan for their new patients, and have all of them started on it by the end of December.

Similar to the boot camp is our two-week intensive course in September, which includes the Tweed Typodont course given by Jimmy Teng and Haiping Lu, the Tip Edge Typodont course given by Chris Kessling, and the Cephalometrics course given by Lysle Johnston. During those weeks our residents are joined — for the third year in a row — by students and doctors who come from China to attend this course. This exchange has developed a relationship between CWRU and a number of Chinese institutions. For the first time, this summer, our second year residents will go to Peking University where they will join the students they met at CWRU last September, and experience the orthodontic residency there for a week.

In the clinic, Yumi Abei continues to return to Cleveland each year to score every finished case, and the quality remains at an all-time high. The clinical experience our residents receive, in both quantity and quality, is probably unmatched by any other program at this time. This is only possible because of our clinical faculty's dedication, hard work, and expertise. This was recognized as a strong asset during our accreditation review.

So, things are going well here at the department of orthodontics, but only because of the help we get from our alumni, faculty, and friends of our program.

E-MAIL: palomo@case.edu

NOTE FROM THE CHAIRMAN



Mark Hans, D.D.S.,
M.S.D. '79, '81

The department continues its leadership role in imaging by hosting the Joint Cephalometric Experts Group (JCEG) meeting at CWRU. This year the meeting will be held on November 11. If you are interested in attending or would like more information, please check out the meeting announcement at <http://jceg2010.eventbrite.com/>

The Bolton Brush Growth Study Center is an active participant in the American Association of Orthodontists Foundation (AAOF) Legacy Project. We are one of 10 collections participating, and the only collection to have scanned our entire database of radiographs. Last year we had researchers from China, Korea, and the UK access the collection. We also have compiled the largest database of before and after 3D images of orthodontic cases in the world. This database is being used by our graduate students as well as researchers from the Angle Society and universities throughout the world. We continue to use these image databases to further research on orthodontic treatment outcomes and to understand facial growth and development.

This year we will consolidate our department research operations into the B. Holly Broadbent Institute for Craniofacial Research. This new institute was made possible by a gift from Dr. Jack Beattie.

We are beginning an ambitious renovation project to transform the Bolton Brush Growth Study area to include a three-chair clinic for craniofacial care, as well as a new library and expanded research space for visiting international fellows.

This year Dr. Manish Valiathan will become the founding program director for our new Fellowship in Craniofacial Orthodontics. The program will focus on the treatment of patients with special needs, craniofacial anomalies, and surgical orthodontics. One- and two-year fellowships will be available beginning on July 1, 2010. Please join me in congratulating Manish on pioneering this new program.

E-MAIL: mark.hans@case.edu



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Department of Orthodontics
 10900 Euclid Avenue
 Cleveland, Ohio 44106-4905

Orthodontic News

SPRING 2010

LaVerne Vogel celebrates 22 years at the school

In 1988, George W. Bush started his first term as president of the United States and Rain Man, starring Tom Cruise and Dustin Hoffman, was packing them in at the box office. It was also the year that LaVerne Vogel first set foot into the Case Western Reserve University dental school, beginning a career that would span 22 years — and counting.

LaVerne Carol Pfriem was born in Cleveland, graduated from South High School and attended classes at Fenn College and Dyke Business School. Prior to joining the dental school, she and her husband, Karl Vogel, moved to Chicago where LaVerne served as secretary to the head of the International Department of the Cooperative League of the USA. The couple then moved to New Jersey, where she was secretary to the President of International Marine Products, Inc. The Vogels returned to Cleveland in 1987.

LaVerne began her career at the CWRU dental school as a temporary employee, and worked in several roles on both a temporary and full-time basis until December 1989, when she found a home in the Department of Orthodontics as secretary to Department Chairman Mark Hans, D.D.S., M.S.D., '79, '81. Little did anyone know at the time, LaVerne

would become a familiar and friendly face to anyone who visited the department for the next two decades.

“Dr. Hans and I got along very well right from the start,” LaVerne says. “He is a really fine gentleman to work with. He’s understanding and compassionate, and we’ve had a lot of fun. Some ups and downs in 22 years, but always a lot of fun.”

“Without La Verne the department of Orthodontics would not be where it is today. She is the consummate secretary. Always professional, highly skilled in creating written documents, and on top of the day-to-day activities,” Dr. Hans says. “When I started in 1989 I had no idea how to run a department. Fortunately, LaVerne had the experience I lacked and the synergy just increased from there. I learned most of what I know about the technical aspects of running a department from her. One critical thing she taught me was to always make a copy of anything important! I am pleased she is able to continue with the department on a half-time basis.”

“LaVerne is easy to get along with and great to work with,” says Ashley A. Sallay, department manager, Department of Orthodontics/ Bolton-Brush Studies. “I really look forward to her return.”



LaVerne Vogel

LaVerne says the best part of her job has been working with the residents. “I’ve really enjoyed watching them grow and mature from dental students to confident orthodontists,” she says. “Plus, working with them helps keep a person young.” She is also glad to see so many former residents on faculty. “That keeps our faculty young and they relate to our residents very well because of that.”

LaVerne has been battling health issues for the past several months, but plans to fight through and return to her role. She laughs, however, at the thought that it may be for another 22 years. “You just take what comes each day and see if you can handle it,” she says.

E-MAIL: laverne.vogel@case.edu

SPRING 2010



SCHOOL OF DENTAL MEDICINE
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Orthodontic News

‘Art is endless,’ and so is the art of orthodontics, says Adjunct Professor Miyashita

The art of orthodontics is endless, and that’s what makes it so enjoyable, according to Kuni Miyashita, D.D.S., Ph.D., an adjunct professor in the Department of Orthodontics at the CWRU School of Dental Medicine. “I have never heard of any orthodontist who could master orthodontics, even though many have spent their lifetimes working on it,” Dr. Miyashita says. “As no one can master orthodontics, orthodontics must include some kind of art. We can enjoy orthodontics because art is endless.”

Dr. Miyashita received his D.D.S. in 1976 from Nihon University, Tokyo, his orthodontics certificate from UCLA in 1981, and his Ph.D. in anatomy in 2000 from Nihon University. He has maintained an orthodontic practice in Tokyo since 1982. Dr. Miyashita teaches in the anatomy department, school of dentistry, Nihon University as a visiting professor, and has also presented the cephalometrics radiography course at UCLA every summer since 1987. He has been an adjunct professor at CWRU since 1996.

Dr. Miyashita says he enjoys teaching both roentgen anatomy and basic wire bending. “Roentgen anatomy is my major and I am studying growth and development of human beings using the Brush Bolton Study Series,” he says. “As far as I know, The Bolton Brush Growth Study Center is the world’s most extensive radiographic longitudinal human growth collection. I strongly recommend that all students visit the center and see the collection during their studies at CWRU. I’m sure they’ll find interesting things, especially the history of cephalometrics and craniofacial growth.”

Dr. Miyashita says there are 29 dental colleges in Japan. The total number of graduates from those schools will be about 2,700 in 2010. Most of the dental



Kuni Miyashita, D.D.S., Ph.D.

colleges consist of about eight to 10 fundamental departments and 15 to 20 clinically oriented departments. Dentistry is a six-year curriculum. In the first phase of two years, students learn the liberal arts and the basis of dentistry by the dental introductory course. In the second phase of two and a half years, courses include basic and clinical sciences and tutorial lessons to establish basic dental knowledge. During the final phase of one and a half years, students learn clinical dentistry by undergraduate clinical training.

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