We Have a New Look and a New Logo!

Welcoming the New Brand Strategy

Have you noticed a change in our newsletter and logo? Have you seen the new logo in the background during television broadcasts from Nebraska Medicine?

Yes, a new logo was rolled out on October 13, 2014. UNMC is the academic aspect of three entities: UNMC Physicians, the Nebraska Medical Center, and Bellevue Medical Center, all of which comprise Nebraska Medicine. The new emblem recognizes this unity and promotes trust and allegiance for all the services.

What does the new emblem signify? The three white cutouts removed from the red “shield” symbolize education, discovery, and health care. These shapes have been opened up to reach out toward something greater. There is also an indirect “N” formed on the upper right portion of the shield, as a result of the cutouts.

These changes are a visual expression for a bold collective vision of the future and called Our Stand: “We are Nebraska Medicine and UNMC. We lead the world in transforming lives to create a healthy future through extraordinary care, discovery, and learning.”

The college’s orthodontic department is proud to be a part of the exciting future of UNMC and embrace being a part of “Our Stand.”
Tightly Wired
Issue 19, December 2014

This newsletter is produced by the Orthodontic Section of the Department of Growth & Development of the University of Nebraska Medical Center College of Dentistry.

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From the Director

Dear UNMC Orthodontic Alumni and Friends:

As we wind down another year, I want to update you on the activities in the Orthodontic Section at UNMC College of Dentistry. Everyone has been extremely busy since our last newsletter. One group of wonderful residents graduated (see story on page 4) and has moved on to begin their professional lives while another terrific bunch was “matched” to the program and will start on July 1, 2015. As usual the graduation banquet marked another memorable moment filled with joy and tears.

As you may know, Dr. Peter Spalding has retired from college effective June 4, 2013, and we are in the midst of a search for a new faculty member to fill the position he vacated. I am pleased to announce that Dr. Joseph Hurd joined our program as an instructor as of July 1, 2014, and supervises our Friday afternoon clinic. Dr. Hurd has been in private practice for more than 22 years, has received his D.D.S. from Creighton University School of Dentistry, and completed his specialty training at St. Louis University Medical Center. (See related story, page 6.) Drs. Brett Cascini, Robert Glenn, Paula Harre, Rebecca Hohl, Robert Schoettger and Kim Stafford continue to provide excellent clinical and didactic instruction for the program on a part-time basis. The contributions by all these outstanding teachers are what make our program excellent. Please join me in extending our sincere appreciation for all their efforts.

In October, our class of 2007 (Drs. Michael Crosby, Paul Robinson and Loren Short) returned to Lincoln to provide a practice management seminar for our residents.

Our paperless clinic is now in its second year of operation. We continue to make refinements and improvements to the system in order to enhance patient care.

Please review the section in this issue covering research, grants and presentations to see the results of our scholarly efforts under the direction of Dr. Sheela Premaraj.

As a current fellow in the American Dental Education Leadership Institute, I met with Nebraska federal legislators and their health aides advocating for adequate funding of the National Institute of Dental and Craniofacial Research in Washington, D.C., in September 2014.

One thing that, thankfully, does not change in our program is the dedication of faculty, residents, staff and alumni. I am so grateful for the alumni support that benefits our program in every way. I am proud of the progress we have made each year, and I thank each of you for your many contributions to the orthodontic program.

I wish you all a happy holiday.

Prem

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The UNMC has had many changes in recent months. Jeffrey Gold, M.D., began serving as the chancellor of UNMC on February 1, 2014. Prior to coming to UNMC, Dr. Gold served at the College of Medicine at the University of Toledo in Ohio. Prior to joining the University of Toledo, Dr. Gold served at the Albert Einstein College of Medicine and the Weill Cornell Medical College.

Here at the College of Dentistry, Dr. Janet Guthmiller became the ninth dean in the 115-year history of the college on September 1, 2014. Her previous experience includes faculty positions at the Baltimore College of Dental Surgery (now the University of Maryland School of Dentistry) and the University of Iowa College of Dentistry. She most recently was associate dean of academic affairs and professor in the Department of Periodontology at the University of North Carolina at Chapel Hill School of Dentistry. A native of Orange City, Iowa, Dr. Guthmiller received her A.A. in dental hygiene from the University of South Dakota, her B.A. from Northwestern College, her D.D.S. from the University of Iowa College of Dentistry, and her periodontal certificate and Ph.D. in cellular and structural biology from the University of Texas Health Science Center at San Antonio as a part of the NIH-sponsored dentist-scientist program.

During the first few weeks of her tenure, Dean Guthmiller kicked off listening tour meetings with College of Dentistry constituents—faculty, staff, students, alumni, and friends—to learn more about the college and to be in a position to help lead it forward. Most recently, Dean Guthmiller helped guide the College of Dentistry through the October Commission on Dental Accreditation (CODA) reaccreditation site visit of all five of the College of Dentistry programs: dental hygiene, doctor of dental surgery, endodontics, general practice residency, orthodontics, pediatric dentistry, and periodontics. The site visit team consisted of 19 leaders in academic dentistry from around the country, as well as staff from CODA. Since the site visit, Dean Guthmiller has been working with faculty to explore the clinic model and ways that we can best deliver patient-centered comprehensive care.

She and her husband, Scott, have two daughters: Katie, a sophomore at the University of Iowa who is studying health and human physiology; and Emily, a seventh grader, who plays volleyball and enjoys music and dance. Dean Guthmiller and her family are pleased to be back in the Midwest where they are closer to extended family.

Ali S. Khan, M.D., M.P.H., worked previously as a senior administrator for the Centers for Disease Control and Prevention and was a former assistant surgeon general, began as the new dean of the University of Nebraska Medical Center College of Public Health on July 1, 2014.

The UNMC Orthodontic Program was pleased to host a continuing education course in orthodontics by Daniela Storino, D.D.S., M.S., in October. She lectured on craniofacial growth and development, accelerated tooth movement, biomechanics and functional orthopedics.

Dr. Storino is dual trained in pediatric dentistry and orthodontics, and is a member of the clinical faculty and a research coordinator at the University in São Paulo, Brazil. Dr. Storino has participated in research in arch development, optimum forces, and craniofacial growth and development.

The focus of the program presented at the college was management of the occlusal plane as a critical element of successful treatment of all malocclusions. Attendees were able to improve their understanding of managing the occlusal plane in relation to correcting such conditions as vertical maxillary excess and gingival display, deficient incisal display, and class I–III open bites. Case management techniques presented included the creative use of turbos, early elastics, and mini-screw anchorage. Attendees also learned how to achieve harmony of the occlusal plane relative to the craniofacial complex in order to maximize the esthetics of the smile without orthognathic surgery.
“The class of 2014 marks the 59th class of residents comprising a total of 184 orthodontic graduates from the college.”

The class of 2014—Drs. Jeffrey Rector, Nima Rohani and Jared Schoettger—marks the 59th class of residents to graduate from the UNMC College of Dentistry orthodontic program, comprising a total of 184 orthodontic graduates from UNMC College of Dentistry. The graduation was held on Saturday evening, December 13, 2014, at the Lodge at Wilderness Ridge in Lincoln. The graduates celebrated this occasion with family and supporting members of the dental college, including full- and part-time faculty and staff.

Dr. Jeffrey Rector graduated from the University of Montana in Missoula, Mont., with a Bachelor of Arts degree and then attended and graduated from the University of the Pacific, Arthur A. Dugoni School of Dentistry in San Francisco, Calif., receiving his D.D.S. degree before beginning his residency with our orthodontic program. Following graduation Jeffrey and his wife, Charissa, and their newborn son, Buster, plan to move to Bozeman, Mont. to start his orthodontic practice.

Dr. Nima Rohani received his Bachelor of Science degree from the University of Florida in Gainesville, Fla., and his D.D.S. degree from Columbia University in New York, NY. Following his graduation from the UNMC College of Dentistry orthodontic program, Nima and his wife, Alicia, will be leaving for Dallas, Texas. He begins his professional career with Pacific Dental Services.

Dr. Jared Schoettger graduated with his Bachelor of Arts degree from Nebraska Wesleyan University in Lincoln, Nebr., and his D.D.S. degree from our own UNMC College of Dentistry before beginning his orthodontic residency. Jared and wife, Kali, plan to stay in Lincoln as he enters his professional career alongside his father, Dr. Robert Schoettger (who is a part-time clinical instructor for the orthodontics program), as an associate at Schoettger Orthodontics.

Good luck to all 2014 graduates in their future endeavors!
In the Beginning...

New Residents as of July 1, 2014

Not just any other day for three new residents of the orthodontic specialties program, but the first day of a new challenge. Orientation, orientation, orientation, new names, new faces, new expectations, new objectives, reading, remembering, reading some more, stretching the brain to remember even more, preparing, planning, applying skills, reading, applying knowledge, wire bending, wire bending, wire bending, sore fingers from wire bending, remembering even more... oh, the rigors of the new opportunity. We welcome three new individuals rising to the rigors of orthodontic education: Drs. Payam Ishani Afousi, Brian Luong, and Emily (Tschetter) Willett.

**Dr. Payam Ishani Afousi** was born in Iran and from there his family moved to Turkey during his teens. In 2003 when he was 18 years old, his family moved to the U.S. to ensure Payam and his two sisters would get a good education. He began high school at that time, followed by community college and then the University of Utah to complete his Bachelor of Arts degree in 2010. He then headed west to the University of California–San Francisco School of Dentistry and completed his D.D.S. degree in 2014.

When asked why he chose our ortho program, he had several reasons, “The reputation of UNMC is good, the program offers a master’s degree (in oral biology), the program is small, I feel that I get more personalized attention from the faculty, the program’s overall cost is acceptable, and also the cost of living in Lincoln is acceptable.”

On a lighter note, Dr. Afousi felt his initial experiences with searching for housing in Lincoln were highly suspect, very questionable, likely dicey, and definitely sketchy. He knew for certain, when asking about the prices of rent, that he was being deceived. He just knew something was amiss and that he knew he was going to be scammed; he just knew they were going to take his money and be gone. The rental rates were just too low compared to what he had been paying in San Francisco. So he took a leap of faith and rented his current abode only to find out the prices were truly much, much lower than he had anticipated, and he likes his new home. He is glad he was matched with our program!

**Dr. Brian Luong** also brings cultural origins from another distant part of the world. While he was young, his family emigrated from Vietnam to the U.S. in 1990, and they settled in Orange County, California. Dr. Luong received his B.S. degree from the University of California–Irvine and his D.M.D. degree from Harvard School of Dental Medicine in Boston, Mass. In addition to these accomplishments, he completed his G.P.R. at the University of California–San Francisco in 2013 and his M.B.A. in Business at Harvard Business School–Allston, Mass., in 2014 before accepting the challenge of our orthodontic program.

Dr. Luong focused on admission to our program because of the balance between didactics, clinical, and research opportunities, the low cost of living in our area, and our program offers a stipend. (Plus, his sister, Vivian, graduated from our orthodontic program in 2012 and gave our program a thumbs up.)

In the spring of 2015, Dr. Luong and his future wife, Dagny Zhu, will be wed in a traditional Chinese ceremony in Shanghai, China, where she has family. A reception with his family in California will follow at a later time.

**Dr. Emily (Tschetter) Willett** may be well known to some by her maiden name of Tschetter. Emily received her B.S. degree in biology from South Dakota State University where she was a captain and record-holder for her varsity women’s swim team and active as a campus tutor and prospective student tour guide. She graduated in May of 2014 from the University of Nebraska Medical Center D.D.S. program. While completing her undergraduate degree at UNMC, Dr. Willett developed a great respect for the college faculty and part-time faculty and wanted to learn from them while pursuing her M.S. and orthodontic certificate. She became familiar with the strengths and excellent reputation of the college and the orthodontic program.

Dr. Willett was happy to be matched to our orthodontic program because she and her new husband, Ryan, have made Lincoln home after they were married on May 31, 2014. Ryan is working as an engineer at HTI Plastics and currently completing his M.B.A. at UN–L. In their free time, Dr. Willett and Ryan enjoy traveling, swimming and competing for the UN–L Swim Club, cooking, running, spending time with family, and cheering for their alma mater, the SDSU Jackrabbits.
New Faces in the Orthodontic Section

Welcome Dr. Joseph Hurd, Sharon Fiddes and Alyssa DiPaolo

We are fortunate to have and honored to welcome our newest part-time faculty member: Joseph Hurd, D.D.S., M.S.D. Dr. Hurd began covering Friday afternoon clinics in August 2014. He is able to share a wealth and depth of over 40 years of dental and orthodontic experience with our residents.

Dr. Hurd’s undergraduate and dental graduate studies were completed at Creighton University in Omaha, Neb. Adding to his diversity was a rotating dental internship in Mississippi. He completed his orthodontic specialty training at St. Louis University and earned his M.S.D. degree at the Medical Center, St. Louis, Mo. During this time he received the Highest Scholastic Achievement Award.

He has served in the U.S. Air Force and has completed course work in periodontics and advanced orthodontic specialty, served as department of orthodontics chairman at four separate locations, ranked as colonel, and received numerous military honors including the Meritorious Service Medal. While serving in the U.S. Air Force he received the Outstanding Graduate Award from the Air War College.

To remain active and involved, Dr. Hurd is a member of numerous professional organizations. His involvement includes serving as a (past) president of the Nebraska Society of Orthodontists, Omaha Orthodontic Study Club, and Omaha District Dental Society. Adding to his accomplishments, Dr. Hurd has had journal articles published as a result of his research. Currently Dr. Hurd practices at his orthodontic practice, Exclusively Orthodontics, in Papillion, Neb. His particular clinical interests are difficult cases and surgical cases.

Joining the Orthodontic Staff

Ms. Sharon Fiddes, administrative assistant, started in June 2014 replacing Beverly Simons, who recently retired. She has been with UNMC for over six years working as a Q.A. Supervisor for the Behavioral Risk Factor Surveillance System within the CPH Survey Research Center. Previously Sharon had worked as a quality assurance and regulatory compliance manager within the pharmaceutical and nuclear pharmaceutical fields. She holds a B.A. in biology from Mt. Marty College in Yankton, S.D.

Ms. Alyssa DiPaolo, dental assistant, replaces Donna Wilke who recently resigned. Alyssa joined the orthodontic section in November 2014. She graduated from the Dental Assisting Program at Southeast Community College in Lincoln, Neb., March 2013, and began working in Lincoln in a private dental practice. Expressing her creativity, Alyssa creates award-winning costumes at home and is frequently found on stage at the Lofte Community Theatre in Manley, Neb., where she also wears a hat as the youngest active Lofte board member.

After you’ve read about all the great things happening at the UNMC College of Dentistry... help make it even greater.

If you have any questions about charitable gifts, donation, options, pledges or bequests benefitting the orthodontic program, please contact:

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Lincoln, NE 68508
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800-432-3216
snorby@nufoundation.org.

Contributions may be sent to the address above. To be properly credited to the program, please specify: “Orthodontic Development Fund #1032.”
Enjoying this year’s Nebraska alumni reception at the American Association of Orthodontists annual session in New Orleans:

1) Sheela Premaraj ('11), Ross & Mrs. Crist, Bob & Kim Stafford ('93) and Mike Hoxie ('95)
2) Anthony Cha ('01), Michael Crosby ('07) and Paul Robinson ('07)
3) Paul McAllister ('09), Kurt Stormberg ('98) and Casey Warren ('10)
4) Daniela Storino, John Pobanz ('98) and Sheela Premaraj
5) Jason Scott ('15), Charissa & Jeff Rector ('14), Nima Rohani ('14) and Chris Schultz ('15)
Where in the world would you expect to see this? What is it?

A Hidden Gem: The College of Dentistry Museum

The pictures shown here represent just a few of the many historical artifacts on display in the showcases throughout the ground level of the College of Dentistry. This museum collection began as an idea-turned-into-reality in 1977 by our anatomy professor, Dr. Stanton Harn. Amazingly, the display has grown beyond the existing showcases. The College of Dentistry Dental Museum is a true hidden gem. Since there is not enough room to house it permanently within the dental college, it is stored 51 weeks a year and only displayed during fall’s annual homecoming.

After many grueling hours, much muscle, great care, and coordination by Dr. Harn and his assistants, the hallways are filled with displays for the public to enjoy. The captivating exhibits vividly depict the history of dentistry. The museum features several different period dental offices from the 1850s through the 1930s, a laboratory from the 1890s-1900s and thousands of dental artifacts, everything from obtuse looking contraptions (that only dentists could fully understand or explain), and graphic advertising to primitive forms of x-ray equipment and pieces of exquisitely detailed vintage dental office furniture.

In the fall of 2014, after a week of display of the museum’s artifacts, current orthodontic resident Dr. Emily Willett offered the following comparative comments since she has also had the opportunity to visit the Dr. Samuel D. Harris National Museum of Dentistry in Baltimore, Md. “My first ‘dental museum’ experience was with the UNMC College of Dentistry Museum, so the bar had been set pretty high. My sister, who lives in Washington D.C., made arrangements for a special trip to visit the National Dental Museum in Baltimore, but there was no comparison! The incredible attention to detail that Dr. Harn devotes to his display adds so much depth of understanding and perspective to the advancement of the profession of dentistry. The College of Dentistry’s museum provides an experience through the decades that the National Dental Museum cannot match, and the volume of the dental college’s collection is far beyond that of the Baltimore museum.”

This gem is right here at our fingertips. Make plans to attend this week-long display next year during homecoming week, September 21-26, 2015. It’s free and open to the public. Come on out and enjoy the exhibit.
In Memoriam: Dr. Kenneth Holland Sr.

Chariman, Undergraduate Orthodontic Program, 1955-1963

For those alumni and friends who are not yet aware, it is with heavy heart that we report the passing in September of Dr. Kenneth Holland Sr., 94. Dr. Holland was a graduate of the University of Nebraska and in 1943 a graduate of the College of Dentistry. Following his graduation Dr. Holland enlisted in the U.S. Army, where he served as captain in the Dental Corps of the 130th Station Hospital in England, France and Germany. In 1947, Dr. Holland and several partners began building a thriving orthodontic practice in Lincoln and Columbus until his retirement in 1989. Dr. Holland adds to his accomplishments time as a part-time faculty member at the College of Dentistry, several years as chair of the orthodontic program, and several years of teaching, culminating in the honor of 55+ years of service at the university. Being active in the orthodontic profession, Dr. Holland additionally served as president for both the Lincoln Dental Society and the Midwestern Society of Orthodontics. Dr. Holland was a generous and gracious person and will be greatly missed by all who knew him and benefitted from his support.

Memorial donations honoring Dr. Kenneth Holland Sr., may be directed as follows. Payee: University of Nebraska Foundation. Mail check to: University of Nebraska Foundation, 1010 Lincoln Mall, Suite 300, Lincoln, NE 68508, Attention: Susan Norby.

On memo of check or in cover letter with check, please indicate that it’s a memorial gift in honor of Dr. Kenneth Holland Sr. for the Dr. Kenneth E. Holland Sr. & Dr. Leslie C. Erickson Library Fund #5700.

University of Michigan: We were ready!

July 31 - August 3, 2014 - Ann Arbor, Michigan

Four UNMC College of Dentistry ortho residents participated in the 26th annual Graduate Orthodontic Residents Program (GORP), held annually at the University of Michigan campus in Ann Arbor, Michigan. Attending this year were new residents Emily Willett, Brian Luong, and Payam Ishain Afousii. Second-year resident Khanh Luong also went along to the summer meeting of “orthodontists of the future.”

This year’s GORP rated high reviews from the College of Dentistry participants. The program offered a huge array of opportunities. The lectures were rated as “extremely informative, relevant, and current.” The residents had the opportunity to begin lifelong networking connections with many colleagues within the orthodontic discipline as well as other interrelated dentistry programs. It was a learning experience as the residents interacted with different companies and suppliers to learn about new technologies and current developments. They even had a few spare moments to share ideas and techniques with new found associates. When asked if they were glad they had the opportunity to participate, the consensus was a resounding “yes, it should not be missed.”

Settling in for the road trip to Michigan (left to right): Emily (Tschetter) Willett, Khanh Luong, Brian Luong and Payam Ishain Afousii.
Recent Contributions of Scholarly Work

From the Orthodontic Program 2013-2014

Publications


Abstracts


Invited Presentations

Prem Premaraj


May 28, 2013: Pediatric Dental Trauma and Orthodontic Management. Hospital of Stomatology, Xian Jiao Tong University, Xian, China.


June 3, 2013: Molecular Mechanisms of Tooth Movement: Emerging Concepts. Faculty Research Seminar, Prince Philip Dental Hospital, University of Hong Kong, Hong Kong.

February 28, 2014: Molecular Mechanisms of Tooth Movement: Emerging concepts, Research Seminar, Department of Orthodontics, Marquette University School of Dentistry, Milwaukee, WI.

Sheela Premaraj

May 27, 2013: Oral Microbes in Periodontal and Caries Disease Process - A New Paradigm. Stomatological Hospital of the Xi’an Jiao Tong University, Xi’an, Shannxi, China.

June 3, 2013: Anaerobic Bacteria and Periodontal Disease Process. Faculty of Dentistry, Prince Philip Dental Hospital, University of Hong Kong.

Grants


2014 M.S. Thesei

Rector, Jeffrey: RPA Hyperphosphorylation and the Response to DNA-Damage-Inducing Therapies.

Rohani, Nima: Demineralization of Tooth Surfaces Coated with Light Cured Dental Resins with Different Filler amounts: An In vitro Study.

Schoettger, Jared: Cone Beam Computed Tomography Evaluation of Bone Density in Areas of Interest for Temporary Anchorage Device Placement in Orthodontics.
Orthodontic residents of the future are getting an early start at learning where the orthodontic department is found in the dental college. Braden (3), and Jackson (1½) are the sons of second-year ortho resident Dr. Jason Scott. Every year on Halloween children and grandchildren of students, residents, staff and faculty enjoy the opportunity to trick or treat within the office areas of the College of Dentistry.

Dr. Jeff Rector (2014) and his wife, Charissa, announce the birth of their first son, Buster Wiley Rector. He was born Tuesday, November 25, 2014, at 6 lbs., 5 oz., and 19.25 inches. Congratulations!

Little Spooks Lookin’ for Treats

Birth Announcements

Dr. Jeff Rector and his wife, Charissa, announce the birth of their first son, Buster Wiley Rector. He was born Tuesday, November 25, 2014, at 6 lbs., 5 oz., and 19.25 inches. Congratulations!

Department Chair Jill Wallen and husband Matt announce the arrival of Molly Kathleen Wallen. She was born on 12/13/14 at 1:08 p.m., 5 lbs., 7 oz., and 18 inches. Welcome to the world, Molly!

Oh, How Time Flies!

Coming in Tightly Wired #20
- Dr. Burdett R. & Rebecca S. Edgren Fund for Excellence in Orthodontics
- Visiting Scholar: Dr. Jing Ye
- ADEA Leadership Institute Graduation – Dr. Premaraj
- 1st Orthodontic Program Endowed Professorship
- Incoming July 2015 Residents

American Association of Orthodontists

2015 Annual Session
May 15-19, San Francisco, CA
Moscone Center
We hope to see YOU at the Nebraska Alumni Reception!
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This publication is available online.

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