



By Meg Dillon, AuD



FOR THE WIN: Former US Marine and bodybuilder in training, Dac Carpenter demonstrates superior physical strength alongside Dr. Oliver Adunka.

uring combat in Fallujah, Iraq, US Marine machine gunner Ronald DuPont Andelot Carpenter III (aka "Dac"), was riding shotgun in a Humvee that drove over an Improvised Explosive Device (IED), and exploded his vehicle. He described the volume of the sound as "a tire blowing out, times 100." The explosion produced a cloud of dirt, debris and shrapnel, causing the driver to lose control. The vehicle was thrown into the air. This was not Dac's first encounter with an IED. During his year long tour in Iraq he had 7 encounters. However, this IED took his hearing, rupturing the outer and middle ear spaces.

Dac remembers feeling as though he was deaf during the remainder of his tour, relying on his team leader to translate information for him. Once he arrived home, he felt his quality of life suffer. For two years he lived in a blur of indistinguishable white noise, nodding or shrugging to questions he didn't hear and understand.

It was not Dac's personality to withdraw from hanging out with friends or rely on someone else to get through conversations. He was known as fearless, yet the life of the party. A body builder covered in tattoos –

including "It's A Good Day To Die" across his chest in remembrance of that fateful day. To no longer present his strong personality meant the IED took more than just his hearing.

His wife, Holly, was frightened as the outgoing man she loved became introverted. He could no longer hear on the phone, with text messaging being the only means to communicate. The television remained on the highest volume setting, which friends and

family could hear as they pulled into the driveway. But more importantly, there was his safety. Dac couldn't hear the oven alarm when standing next to it. Holly could hear it from upstairs. When Hurricane Irene hit the coast, Dac couldn't hear the storm as it crossed overhead.

They decided to seek treatment. At the Naval Hospital doctors advised them to visit the ENT department at UNC or Duke. With no prior knowledge of either department, the couple posted the question on Facebook. Friends encouraged them to visit UNC OHNS.

Oliver Adunka, MD and Meg Dillon, AuD evaluated Dac for candidacy in a clinical trial lead by Principal Investigator Dr. Craig Buchman assessing the Vibrant Soundbridge (VSB), a middle ear implant. The VSB is currently approved in the US for adults with moderate-to-severe sensorineural hearing loss. The clinical trial evaluates the safety and effectiveness of VSB in patients with conductive and mixed hearing loss.

In patients with conductive hearing loss, the outer and/or middle ear space cannot effectively transmit sound to the nor-

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IN THIS ISSUE



Assistant Professor

Peter G. Chikes, MD, FACS graduated from Duke University and the University of North Carolina at Chapel Hill School of Medicine. He served in the Army and received the Army Commendation Medal for his service. He opened a practice in ENT in Concord, North Carolina thirty-three years ago.

Dr. Chikes is a fellow in the American Academy of Otolaryngology - Head and Neck Surgery, the American Academy of Otolaryngic

Allergy and The American College of Surgeons.

On April 2, 2012, Dr. Chikes joined the UNC Department

New Faculty APPOINTMENTS

of Otolaryngology/Head and Neck Surgery as an Assistant Professor. He will continue to see and treat patients of otolaryngic allergy at UNC and provide students and residents insights on the private practice of medicine.

Brien R. Pace, RN, RNFA, ACNP-BC graduated from Duke

University School of Nursing with a Master's Degree in Nursing as an Acute Care Nurse Practitioner with specialties in Acute Care, Cardiology and Oncology in 2009. Brien is board certified in these areas by the (ANCC) American Nursing Credentialing Center. Brien has been a nurse for the past 17 years and worked in critical care ICU areas as well as the operating room. Brien has also managed a cardiac catheterization lab at the Medical University of South Caro-



BRIEN R. PACE, ACNP-BC
Nurse Practitioner

here at the Durham North Carolina Veterans Hospital as an Acute Care Nurse Practitioner in Neurosurgery before joining Otolaryngology at UNC.

On April 2, 2012 Brien joined the UNC Department of Otolaryngology/Head and Neck Surgery as clinical faculty. He will be part of the Head and Neck cancer group here at UNC Otolaryngology where he will continue to care for patients in Otolaryngology Head and Neck cancer. He will be assisting the group in the operating room as well.

lina. Brien's most recent work was

Chair's Corner



Harold C. Pillsbury, MDProfessor and Chair

This is one of the most exciting times of the year for our department. We have graduated four residents and three fellows and have brought in four more residents to start their training as well as four more fellows. To see the exciting opportunities that the graduating residents have secured for their fellowships and careers is really heartwarming for me as Chair and a source of great pride for our

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entire faculty. I continue to be amazed at how accomplished our residents and fellows are during the last month of their training, in that, they always seem to bring everything together just at the right time. These moments are what make us all feel that we have a purpose as educators.

We recently held a fundraiser for CASTLE and the results were astonishing. The tremendous support for our program by the faculty, staff, and families of our patients is tremendously rewarding. As you can see from our featured piece on this event, the enthusiasm for our CASTLE program is nothing short of spectacular. I would really encourage anyone receiving this publication to visit our CASTLE/CCCDP Children's Program to

see exactly how it functions. It will truly be a heartwarming experience. Department of Otolaryngology/ Head & Neck Surgery Campus Box 7070 Chapel Hill, NC 27599-7070

Appointments: (919) 966-6483 or 966-3325 **OHNS Clinic, UNC Hospitals:** (919) 966-6484 **OHNS Clinic, Carolina Pointe:** (919) 490-3280 **Administrative Office:** (919) 966-3342

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med.unc.edu/ent

Summer 2012 Heads Up is designed and edited by Nicolette DeGroot. Cover photo by Spring 2011 OHNS intern, Danielle Simmons, '12 UNC graduate.

DAC continued from cover

mal functioning cochlea. Patients with mixed hearing loss have the additional malfunction within the cochlea. The clinical trial evaluates whether the VSB provides a significant improvement in speech perception in quiet and noise for such patients who cannot receive adequate benefit from traditional hearing aids.



The VSB is a two-part, direct-drive device that provides sound perception via mechanical stimulation. The internal Vibrating Ossicular Prosthesis (VORP) includes the Floating Mass Transducer (FMT) that is placed on either the ossicular chain or round window niche. The FMT vibrates the mechanical structures within the middle ear space to deliver the signal to the cochlea. The external audio processor contains a microphone, processing electronics, battery, and coil. It attaches to the head via a magnet, communicating with the internal VORP through the skin.

Dr. Adunka implanted Dac's left ear in August 2011. After a 2-month waiting period, the external audio processor was programmed and Dac heard again for the first time. Within the first few minutes he was able to clearly hear Holly's voice. At a recent follow-up test interval, Dac demonstrated improvements



SCRATCH GOLFER: Dac plays with the USMC Golf Team.

in speech perception in quiet and noise, and noted improvements in quality of life with the VSB.

The fearless, outgoing man Holly fell in love with is back. Dac has continued his bodybuilding, competing in the Gold's Classic body-building competition in June. He also is a member of the USMC Golf Team. As a scratch golfer, he enjoys sporting his John Daly "Loudmouth" clothes.

"Thanks to Meg and Dr. Adunka for helping me out. They changed my life." - Dac Carpenter

BREAKFAST BITES Raises More Than Appetites!

Over 100 guests attended the inaugural CASTLE Breakfast on May 2, 2012 at the Rizzo Conference Center in Chapel Hill. The CASTLE advisory board, which includes Lewis Barnhardt, Chair; Garima Kamo; Kathryn Wilson; Donna Cook and Matt Maciejewski, hosted the event. Speakers included Carolyn Brown, CASTLE founder, and her granddaughter Ximena, one of CASTLE's first preschool class graduates. Garima Kamo and Lisa Lewis, both parents, shared their personal journeys. CASTLE graduates Neel Kamo, Micah Keim and Parker Shoun also participated in the program. Over \$26,000 was raised in support of children who are deaf or hard of hearing and their families. These funds were matched by a grant from the Oberkotter Foundation bringing the total raised to nearly \$80,000.

- "It was a special morning indeed. CCCDP and CASTLE mean a great deal to me and it is because of my experiences there as a graduate student in 1998 that I chose the career path I did." Krista Heavner, a former UNC student now serving as a consultant for children who are deaf and hard of hearing for the NC Public Instruction.
- "This was a wonderful event that I hope to see grow in the future.
 I was honored to be invited and involved. The speakers were truly moving and inspirational for me...it is easy to get caught up in everyday things that are not so important and this event sent me out with a renewed commitment." Dr. Carlton Zdanski





PLEASE CONSIDER MAKING A GIFT TO THE DEPARTMENT!



Leslie H. NelsonDirector of Development

In the present health care environment, clinical income and federal grants are no longer adequate to meet the overall mission of our Department. Additional private and corporate funds are needed to ensure our future growth. Private gifts allow us to continue making research breakthroughs that form the foundation of new and improved methods of patient care. They also make it possible for us to attract and retain the best teachers, clinicians and promising scientists to train future surgeons.

There are many giving options available to support the efforts of our Department. Please contact our Director of Development for more information on how you can help.

Leslie H. Nelson

The Medical Foundation of North Carolina 880 MLK Jr. Boulevard | Chapel Hill, NC 27514-2600 919-843-5734 | Leslie_Nelson@med.unc.edu



FROM LEFT TO RIGHT: Drs. Rose Eapen, Joshua Surowitz, Rupali Shah, and Maher Younes celebrate the successful completion of

residency at a banquet held in their honor on June 2, 2012.

Rose Eapen, MD As my time at UNC draws to a close and I reflect on my seven years spent training at UNC-Chapel Hill, I am amazed by the opportunities and experience I gained. I feel grateful to the faculty and my fellow residents that have shared this journey with me. Among my distinguished colleagues, I have found both personal and professional role models who I hope to emulate. I have already found myself in the position of seeking advice and I will continue to nurture and place the highest value in these relationships.

I must offer my heartfelt thanks to the faculty that have taken time to teach me in the clinic and the operating room. They have taught me not only how to perform procedures and diagnose problems, but how to treat my patients with dignity and honor. I will carry these lessons with me and use them to guide my own practice. Thank you for everything that has been bestowed over the past seven years. I will embark on my next adventure as a pediatric otolaryngologist at Duke.

Joshua Surowitz, MD It is hard to believe that five years has come and gone; how quickly the time has passed. And what an experience! It seems as though just yesterday I was a first year medical student asking Dr. Pillsbury and Dr. Buchman about summer research opportunities. It has been an absolute honor and a privilege to train at UNC. Thank you to Dr. Pillsbury and our entire faculty for bestowing me this honor. To our faculty, thank you for imparting your wisdom, knowledge, and clinical judgment.

Your mentorship has truly shaped me into the surgeon I have become. To our administrative, clinic, and nursing staff, thank you for your tireless help in the care of our patients; you are the backbone of our clinic. To my fellow residents, you are the finest group of people I have ever known. I thank you for your friendship and the incredible collegiality we have shared. It has been a phenomenal five years and I reflect so fondly on my time at UNC. You have all truly become like family and I will miss you greatly. As I head to Palo Alto, California for a one-year fellowship in Facial Plastic and Reconstructive Surgery, I do so knowing that my time at UNC has prepared me well for this next step.

Rupali Shah, MD It is has been an absolute privilege to be a part of the UNC Department of Otolaryngology-Head & Neck Surgery. I remember my interview day like it was yesterday. I was nervous, anxious and excited all at the same time. What an incredible place! Professional, prestigious, ambitious, warm, and well-rounded, UNC was everything that I wanted to be a part of. While excited for the opportunity to be a part of a premier program, I had no idea how much its people would affect me as a person and physician.

To the nurses and staff in the clinic and operating room, you have all contributed to my development as a caregiver. To the entire faculty, I am forever indebted to you for your guidance, friendship, discipline,

and love. It has been an honor to share in the care of your patients. Dr. Pillsbury, your dedication to the residency program, education, and advancement in the field is sincerely appreciated and inspiring. To my fellow residents, my family away from home, I deeply respect and admire each of you. It has been an unforgettable five years; I will miss you all. Thanks to the support and encouragement of this department, I look forward to the big apple, where I will pursue a Laryngology Fellowship at Mount Sinai Hospital.

Maher Younes, MD Five years can really go by pretty fast. I still remember the day when Dr. P. called me and told me that I matched at UNC. It feels like yesterday when I met my co-residents for the very first time for orientation. I can say for a fact that it has been nothing short of an amazing ride. It has been a true privilege and a great honor to have been part of this program and to have been mentored by the likes of Drs. Pillsbury, Shockley, Weissler and Buchman. It is also a great responsibility to uphold such an honor in the future as I move on with my career. The enormous guidance and support that I received throughout the years is something that I will cherish for the rest of my life. It is a blessing to be around a group of people who genuinely care for you, and do their utmost to help further your career. As I move on with my life, I will miss you all for you have become not just friends or colleagues, but close family.

GET to New Residents

The new Otolaryngology/Head and Neck Surgery residents bring an array of interests, skills and experiences to the Department. They began their training in June 2012.

Nathan Calloway, MD is from Raleigh, NC and attended UNC-Chapel Hill. After graduation he performed clinical research in cardiology at the Washington Hospital Center in Washington DC, specifically in cardiac MRI. His research interests included predicting the long-term outcomes of patients with a perfusion defect on MR stress perfusion imaging and the remodeling of myocardial tissue after infarction. Nathan attended Boston University School of Medicine for both his masters in medical sciences degree and his MD degree. He is married to Mary Owen Calloway and they have an 8 month old son named Wilson. The family is settling into their new home in Chapel Hill and enjoying watching Wilson start to talk and begin to crawl. Nathan enjoys the outdoors, frequently hiking, camping, and skiing, as well as sports such as soccer, tennis, basketball, and racquetball.

Aaron Baugh, MD is originally from Ann Arbor, Michigan. Aaron graduated summa cum laude from the University of Michigan and received his B.S. in Brain, Behavior And Cognitive Science with Honors. While earning his MD from the University of Toledo he developed a strong interest in translational research, leading to several publications, and now intends an academic career. Aaron enjoys travel abroad, science fiction, and has a strong interest in late Bronze Age history.

Adam J. Kimple, MD, PhD grew up in Holland, MI and attended Michigan State University where he majored in



Computational Chemistry. After graduating, Adam ventured down to tobacco road for the medical scientist training program at UNC. He conducted his dissertation research studying regulators of G-protein coupled receptors, specifically gustatory signaling. During this research he became interested in Otolaryngology because of his mentor and thesis committee member, Dr. Marion Couch. He and his wife, Kelly, who just finished her residency in Pediatrics and will start Preventive Medicine at UNC, are excited to continue training in Chapel Hill. When time permits, he enjoys scuba diving, sailing, skiing, traveling and playing soccer.

Lauren W. Fedore, MD is originally from East Lansing, MI. She attended Tufts University in Medford, MA where she graduated magna cum laude with a Bachelor's degree in Biology. During her tenure there, she competed for the women's varsity soccer team and received highest honors distinction for her thesis research. Immediately following her undergraduate education, Lauren continued at Tufts University School of Medicine and was elected to the AOA honor society. She is ecstatic about moving south to join UNC Otolaryngology family. Her particular interests within the field of Otolaryngology include head and neck cancer and reconstructive surgery. Outside of medicine, Lauren enjoys running, skiing on snow or water, cooking, traveling, and cheering on the Michigan State

OHNSAnnouncements

The Department's Director of Communications, **Nicolette DeGroot**, won two awards for her overall design of the 2011 OHNS annual report.

Nicolette snagged the prestigious Gold Award of Excellence from the Communicator Awards, and American InHouse Design Award from Graphic Design USA.



Harold Pillsbury, MD was honored at a UNC Women's Basketball game on February 26. Noted UNC basketball forward, Jessica Breland, was diagnosed by Dr. Pillsbury as having Hodgkin's lymphoma in May 2009. Having the cancer gone into remission, Jessica had Coach Sylvia Hatchell give her jersey to Dr. Pillsbury.



Soonyoung Rondinelli, RN, Surgery Scheduler, Katherine Eng and PBA Supervisor, Anna Bradshaw participated in the Susan Komen race for the cure on the campus of Meredith College in Raleigh, on Saturday June 9th. It was the first 5k that Soonyoung or Anna had ever done.



On April 6, **Craig Buchman**, **MD** performed the first Nucleus Cl422 device placement

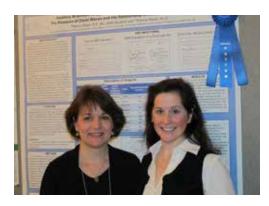
surgery in the United States at UNC Women's and Children's Hospital. This device, recently FDA approved, is designed with a new slim electrode array that is especially atraumatic to the normal cochlear structures. Preclinical studies at the UNC temporal bone lab by Drs. Wei, Adunka, and Buchman have shown this new device to be less traumatic than precurved arrays, thereby offering hope for preservation of residual hearing. Our group at UNC are leaders in the field of hearing preservation cochlear implantation and have extensively studied the benefits of this approach as a method of improving cochlear implant performance. The CI422 device offers another technical advancement in the surgical armamentarium of the hearing preservation, cochlear implant

ONLINE EXTRAS: go.unc.edu/Aw4p3

UNC was well represented at the Medical University of South Carolina's 3rd Annual Pediatric Audiology Conference which focused on the diagnosis and management of auditory neuropathy spectrum disorder. Coordinated by Meredith Holcomb (AuD Class of 2006), the symposium featured presentations by UNC Associate Professor Patricia Roush, AuD, and former resident David White, MD, who completed his ENT residency at UNC in 2003 and is now Associate Professor of Otolaryngology – Head and Neck Surgery at MUSC. Shown from left to right, Pat Roush, Meredith Holcomb, David White, and Betsy Poth (UNC Audiology MS Class of 1992).



A scientific poster presented by Associate Professor **Patricia Roush, AuD** (left) and UNC audiology student Mallory Baker (right) won first prize for scientific merit at the 12th Annual Early Hearing Detection and Intervention Conference in St. Louis, MO, March 5-6, 2012. The poster was entitled: Auditory Brainstem Responses in Auditory Neuropathy: The Presence of Distal Waves and the Relationship to Behavioral Thresholds.



Joseph W. Hall, PhD, Professor and Chief of the Division of Auditory Research, was honored by UNC's Division of Speech and Hearing Sciences in May as its first Distinguished Alumnus. Internationally acclaimed for his contributions in psychoacoustics and hearing science, Dr. Hall is also known for his collegiality and generosity of spirit. Assistant Professor Lori Leibold notes "Dr. Hall is always willing to share his time and knowledge in ways that bring out the best in others; he is loyal, supportive, and treats everyone with respect and dignity." Dr. Jack Roush, Professor and Director of the Division of Speech and Hearing Sciences in UNC's Department of Allied Health Sciences notes that "choosing our first distinguished alumnus was an easy decision for our faculty. Dr. Hall has been an inspiring mentor and role model for students and faculty at UNC for over 25 years. We are proud to claim him as a graduate and look forward to our continued collaboration." Hall, who earned his MS degree in Audiology at UNC in 1980, was honored at the Division's graduation ceremony on May 12, where he delivered the commencement address to over 350 friends and family members gathered in celebration of the Class of 2012. Shown left-right, Dr. Lori Leibold, Dr. Joseph Hall, and Dr. Jack Roush.





Resident **Dr. Jessica Smyth** and husband, Carter, welcomed a baby girl, McKenna Jane, March 21

Resident **Dr. Keimun Slaughter** and wife,
Shavonne, welcomed
a baby girl, Olivia
MacKenzie, June 2

Resident **Dr. Yu-Tung Wong** and wife, Connie, welcomed a baby girl, Rosalie "Rosie," June 8 Resident **Dr. Rose Eapen** and husband,
Zubin, welcomed
a baby boy, Elijah
Alexander, April 24

PBA **Angel Jeffries** and fiancé, Michael McLeod, welcomed a baby girl, Mikyah Alise, January 17

OHNS residents Drs. Grace Kim, Deepak Dugar and Anna Hang attended the 2012 Board of Governors Spring meeting and Otolaryngology Advocacy Summit May 6-8th. They visited all 15 NC House and Senate offices in Capitol Hill including 10 scheduled meetings. The group lobbied for a clean vote on IPAB repeal, against SGR, for more funding for GME, in favor of the truth and transparency in advertising bill, and support for the Congressional Hearing Healthy Caucus.



Grace Kim, MD and Adam Zanation, MD gave an oral presentation for "Accessing the Parapharyngeal Space and Infratemporal Fossal Skull Base using Robotic Surgery: An Anatomic Descriptions and Preliminary Clinical Series" at the North American Skull Base Society on February 17th.

Adam Zanation, MD was honored as a "Health Care Hero" at the Triangle Business Journal Health Care Hero Awards 2012. His work was recommended by the UNC Healthcare News Office for his work in advancing robotic Head and Neck surgery. The event was held March 22nd, and included an interactive expo and celebration banquet. The "Rising Star Hero Award" is a recent graduate or new hire that shows real promise in the fields of scientific research or in the practice of medicine. Dr. Zanation is pictured with the other UNC Health Care Hero Awardees (Dr. Cohen and Dr. Sharpless). ONLINE EXTRAS: go.unc.edu/f2K4



The work of Drs. Grace Kim, Rupali Shah, Adam Kimple, Adam Zanation, and William **Shockley** on *Polymorphous Low Grade* Adenocarcinoma of the Head and Neck:

How Aggressive Is It? was presented as a poster at the 115th Annual Meeting at COSM April 18-22nd, in San Diego, CA.

Deepak Dugar, MD presented his research on Endoscopic Approach to Lateral Sphenoid Encephaloceles Originating in Sternberg's Canal in Las Vegas as an Oral Presentation in Feb 2012 at the North American Skull Base Society Meeting in Las Vegas.

Dr. Dugar also presented his research on Pediatric Allergic Fungal Sinusitis (AFS): Is it a more severe disease than adult AFS? at the Combined Otolaryngology Spring Meeting in San Diego in April 2012.

Oliver Adunka, MD was an invited speaker at the Vienna Ear And Hearing Implant Symposium & Temporal Bone Dissection Course on March 13-16th in Vienna, Austria.

UNC Health Care's ongoing real doctors, real people series captures Austin Rose, MD amongst his ice hockey team, The Tripods, in Hillsborough at the Triangle Sportsplex. ONLINE EXTRAS: go.unc.edu/Si65N

High Five for the Top Five! CCCDP/CASTLE was recognized as one of the TOP FIVE ambulatory clinics as determined by the latest release of the Patient Satisfaction scores. Shown left to right are Lisa Park, Melchee Johnson, Holly Teagle, Program Director, Jennifer Woodard, Francisca Hernandez-Casillas, Maegan Evans, Lori Parker, Dr. Spencer, Lillian Henderson, Erin Thompson, David Bauer and Deb Hatch.



Drs. Grace Kim and Adam Zanation's manuscript entitled Transoral Robotic Surgery to Resect Skull Base Tumors via Transpalatal and Lateral Pharyngeal Approaches was accepted for publication in The Laryngoscope on March 22nd.

CCCDP and **CASTLE** participated in Durham's Great Human Race on March 24th. A major fundraiser, the race helps greatly in reaching funding goals for the 2012 year. Total raised was \$2,148.



Robert Buckmire, MD and speech therapist, Ellen Markus, were featured in an article in the News and Observer on March 26th. The article was about the condition called presbylaryngis, also known as "aging of the larynx, and our doctors' treatments.

ONLINE EXTRAS: go.unc.edu/o8QMj

Jennifer Woodard was selected as Preceptor of the Year by the UNC Division of Speech and Hearing Science. The graduation ceremony was in May. Shown left to right are rising 2nd year AuD student Alexandra Gery, graduate Erin Dickens, and Jennifer holding her daughter, Cameron.



MED-EL Hearing Solutions (MHS) selected **Shuman He, PhD** to be one of three institutions to receive a grant for the basic sciences in hearing on March 14th. The award was for her work on Cortical Auditory Evoked Potentials In Bilateral Cochlear Implant Users And Listeners With Bimodal Hearing.

A patient of Craig Buchman, MD was featured on Triangle News 14 on April 14th. Neel Kamo has a cochlear implant, and was a part of the CCCDP/CASTLE program. Neel is now mainstreamed into a public school, and enjoys playing the violin.

ONLINE EXTRAS: go.unc.edu/f8MSn

Anna Hang, MD competed with her husband in a Designated Marksmen Match on April 28th in Newhill, NC, and placed 7th out of 65 teams.

Pediatrics Audiologist Shana Jacobs and husband, Demar, welcomed baby girl, Nadia Elise, March 31 **Nursing Assistant Samylia Alston** and husband, Scott, welcomed a baby girl, Samiya Garner, April 11

VISITING PROFESSOR SCHEDULE

July 10-11: Lanny Close, MD Columbia University Medical Center August 21-22: Bradley Kesser, MD University of Virginia Sept 25-26: Robert Labadie, MD

Vanderbilt University

Oct 30-31: Chris Melroy, MD Georgia Sinus & Nasal Institute Nov 13-14: Jeffrey Myers, MD MD Anderson



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Faculty

The Department of Otolaryngology/Head and Neck Surgery

Harold C. Pillsbury, MD, FACS, Chair, Thomas J. Dark Distinguished Professor of Otolaryngology/Head and Neck Surgery

Craig A. Buchman, MD, FACS, Vice Chair for Clinical Affairs, Harold C. Pillsbury Distinguished Professor of Otolaryngology/Head and Neck Surgery

Brent A. Senior, MD, FACS, Vice Chair for Academic Affairs, Sheila and Nathaniel Harris Distinguished Professor of Otolaryngology/Head and Neck Surgery Carolyn Hamby, Clinical Academic Departmental Administrator

The Division of Head and Neck Oncology, Cancer Research

Mark C. Weissler, MD, FACS, Professor and Chief, Joseph P. Riddle Distinguished Professor of Otolaryngology/Head and Neck Surgery

Trevor G. Hackman, MD, Assistant Professor

Andrew F. Olshan, PhD, Professor

Brien R. Pace, ACNP-BC, Nurse Practitioner

William W. Shockley, MD, FACS, Professor and Chief, W. Paul Biggers Distinguished

Professor of Otolaryngology/Head and Neck Surgery

Carol G. Shores, MD, PhD, Associate Professor Adam M. Zanation, MD, Assistant Professor

The Division of Pediatric Otolaryngology

Carlton J. Zdanski, MD, FACS, FAAP, Associate Professor and Chief Amelia F. Drake, MD, FACS, Newton D. Fischer Distinguished Professor of Otolaryngology/Head and Neck Surgery Austin S. Rose, MD, Associate Professor

The Division of Facial Plastic and Reconstructive Surgery

William W. Shockley, MD, FACS, Professor and Chief, W. Paul Biggers Distinguished Professor of Otolaryngology/Head and Neck Surgery Andrea Jarchow-Garcia, MD, Assistant Professor, Facial Plastic Surgeon

The Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery

Brent A. Senior, MD, FACS, Professor and Chief Peter G. Chikes, MD, FACS, Assistant Professor Charles S. Ebert, Jr., MD, MPH, Assistant Professor Austin S. Rose, MD, Associate Professor Adam M. Zanation, MD, Assistant Professor

The Division of Otology/Neurotology and Skull Base Surgery

Craig A. Buchman, MD, FACS, Professor and Chief Harold C. Pillsbury, MD, FACS, Professor Oliver F. Adunka, MD, Associate Professor

Sleep and Snoring Surgery

Brent A. Senior, MD, FACS, Professor

General Otolaryngology/Head and Neck Surgery

Peter G. Chikes, MD, FACS, Assistant Professor

The Division of Voice and Swallowing Disorders/UNC Voice Center

Robert A. Buckmire, MD, Professor and Chief
Mark C. Weissler, MD, FACS, Professor, Joseph P. Riddle Distinguished Professor of
Otolaryngology/Head and Neck Surgery
Brian Kanapkey, CCC-SLP, Speech Pathologist
Ellen S. Markus, MA, CCC-SLP, DMA, Coordinator
Linda F. Hube, MS, CCC-SLP, Speech Pathologist

The Division of Auditory Research

Joseph W. Hall, PhD, Professor and Chief, James and June B. Ficklen Distinguished Professor of Otolaryngology/Head and Neck Surgery

Paul B. Manis, PhD, Professor, Thomas J. Dark Distinguished Research Professor of Otolaryngology/Head and Neck Surgery

John H. Grose, PhD, Professor

Emily Buss, PhD, Associate Professor

Douglas C. Fitzpatrick, PhD, Assistant Professor

Shuman He, PhD, Research Assistant Professor

Margaret T. Dillon, AuD, Research Assistant Professor

Patricia A. Roush, AuD, Associate Professor, Director, Pediatric Audiology

Computational and Clinical Research

Julia S. Kimbell, PhD, Associate Professor Dennis O. Frank, PhD, Postdoctoral Fellow

The Division of Research Training and Education

Paul B. Manis, PhD, Professor and Chief

The Adult Cochlear Implant Program

Marcia Clark Adunka, AuD, CCC-A, Director English R. King, AuD, CCC-A, Audiologist Margaret T. Dillon, AuD, CCC-A, Audiologist

W. Paul Biggers Carolina Children's Communicative Disorders Program

Craig A. Buchman, MD, FACS, Professor, Administrative Director Harold C. Pillsbury, MD, FACS, Professor, Executive Director Carlton J. Zdanski, MD, FACS, Associate Professor Oliver F. Adunka, MD, Associate Professor Holly F. B. Teagle, AuD, Associate Professor, Program Director Hannah R. Eskridge, MSP, Assistant Professor, Director of CASTLE

WakeMed Faculty Physicians

Michael O. Ferguson, MD, Associate Professor and Chief Brett E. Dorfman, MD, Assistant Professor Esa A. Bloedon, MD, Assistant Professor Allen F. Marshall, MD, Assistant Professor

Residents

Aaron D. Baugh, MD Nathan H. Calloway, MD Lauren W. Fedore, MD Adam J. Kimple, MD, PhD Jessica K. Smyth, MD Scott A. Shadfar, MD Yu-Tung Wong, MD Mihir R. Patel, MD John P. Dahl, MD, PhD, MBA Alexander Farag, MD Brian D. Thorp, MD Joseph P. Roche, MD Deepak R. Dugar, MD Anna Hang, MD Keimun A. Slaughter, MD Kibwei A. McKinney, MD Adam P. Campbell, MD Anand R. Dugar, MD

Cristina N. Klatt-Cromwell, MD Baishakhi Choudhury, MD Grace G. Kim, MD Gitanjali Madan, MD