

The Washington HEARald

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Chairman:

Richard A. Chole, M.D., Ph.D.

Assistant to the Chair:

Carolyn Carbery

Vice Chairman and Editor:

Joel A. Goebel, M.D.

Department Photographer:

Don Davis

Executive Director/

Business Affairs:

Dan Nowak

Production and Design:

Carol Rose

rosec@ent.wustl.edu

Production Assistant:

Julie Lichtenegger

CLINIC SPOTLIGHT HEAD AND NECK SURGERY TEAM



Standing: Randal Paniello, Gershon Spector, Ravindra Uppaluri, James Hartman

Seated: Brian Nussenbaum, Bruce Haughey, John Sunwoo

The head and neck team at Washington University School of Medicine (WUSM), which is headed by Dr. Bruce Haughey, is a very diverse group of physicians. Each member brings their intelligence, skills, research experience and compassion to their patients. Working directly with these physicians are their dedicated group of nurses who provide the experience and sensitivity needed to care for their patients. Our residents and medical students are extremely lucky to be trained by this internationally known team of physicians.

Dr. Bruce Haughey

As Director of the Head and Neck Division for the Department and for the Siteman Cancer Center (SCC), Dr. Haughey's time continues to be shared between clinical, teaching, research and administrative duties. Innovations in clinical activities center upon Minimally Invasive Head and Neck Oncology, or Transoral Laser Microsurgery (TLM) and Head and Neck Reconstruction. TLM delivers laryngectomy, hypo- and oro-pharyngectomy and glossectomy "from the inside out," using endoscopic excisions to achieve negative margins, with simultaneous management of the neck. The series, comprising more than 200 cases over several years, has built the largest part of a multi-center study (with colleagues at Mayo Clinic, Harvard and Iowa) which was presented recently at

the Sixth International Head and Neck meeting. The data show excellent survival, function and length of stay results. Dr. Haughey has organized and will chair a Miniseminar, with several other national and international experts in TLM, accepted for the Wednesday morning slot at the AAO-HNS' upcoming meeting in Los Angeles. Dr. Haughey has recently conducted workshops on this surgical technique in Asia, and has accepted invitations to present his data in Germany in June 2005, and Egypt in early 2006.

Recent original innovations developed by Dr. Haughey in Head and Neck Reconstruction include a method of using stereolithography to accomplish "perfect" mandibular symmetry, and a set of published free flap tongue reconstruction techniques, which were publicized widely, and result in a steady stream of national and international referrals. His course on Tongue Reconstruction will again be offered at the next AAO-HNS meeting. He enjoys teaching, which includes organizing the Head and Neck Reconstruction Core Curriculum course for the residents, and precepting the Head and Neck Microvascular fellowship. His next fellow arrives from Duke University on July 1.

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From the Chairman

Richard A. Chole, M.D., Ph.D.



Is My Doctor Competent?

The repercussions of findings by the Institute of Medicine in 1999 (*to error is human*) are continuing to be felt at all levels within our healthcare systems. Hospitals and healthcare systems as a result have made this the decade of “patient safety.” As you might imagine, a great deal of attention has focused upon physicians and the competencies. The public expects that we, in academic medical centers, train competent specialists to practice in America. The public also expects that those individuals certified by the member boards of the American Board of Medical Specialties (ABMS) certify only those doctors who are competent to practice that specialty. The ABMS has also required that member boards develop processes to assure the “Maintenance of Certification” (MOC). Consequently, the MOC’s attempts to establish and maintain the competency of physicians has been a priority of both the Association for the American Council of Graduate Medical Education (ACGME), as well as the ABMS. These organizations have agreed on six basic competencies that will be required of each graduating resident and each of us certified by a board of the ABMS. Following are the six “competencies” agreed upon by these organizations.

- Patient care
- Medical knowledge
- Practice based learning and improvement
- Interpersonal communication skills
- Professionalism
- Systems based practice

Although some of these seem obvious and have been part of our

training and expectations, several have opened new areas of training, assessment and concern. The one competency which I believe should be considered the principal competency is that of **Professionalism**. Issues of professionalism reach into every aspect of our lives as physicians and surgeons. Professional status implies a special position in our society. The maintenance of this status depends on the public’s belief that we are trustworthy in everything we do. That trustworthiness might be as simple as having the courtesy of washing our hands prior to a patient encounter or as complex as making sure our financial investments do not put us into a conflict of interest in which our actions may be motivated by something other than our patient’s welfare. I also believe that each healthcare professional develops concepts of professionalism as a natural outcome of their clinical training. However, it is becoming more apparent that professionalism can and must be taught. In the Department of Otolaryngology, we take the teaching professionalism very seriously. We recognize that some aspects of professionalism can be taught in a didactic manner, but most of the instruction in this area will occur through circumstances with thoughtful reflection on actions. Recently, one of our medical staff members made a rather serious error in patient care. His action epitomized the highest levels of professional behavior. He readily discussed the error with his colleagues and the patient and corrected the error. (No permanent harm was done.) He then thoroughly discussed the issue with faculty and residents in the department who were able to reflect on this area and to devise better ways of preventing the error in the future. His frank and professional discussion of this event was the right thing to do. It’s what the public expects that competent doctors will do and it makes us all better doctors.

As you hear the discussion of physician competency in the coming months and years, recognize it as a movement that gives us some opportunity to be better and safer doctors, which is after all, our calling.

Program Director’s Corner



Joel A. Goebel, M.D. (1985)

Anatomy of a Site Visit

Nothing sends a chill down the spine of a Program Director quite like the announcement of an ACGME site visit! With so much dependent upon the data entered into the Program Information Form (PIF) and the site visitor’s experience, it’s no wonder that site visits rank right up there with dental work without anesthesia!

With that in mind, here are a few lessons we have learned along the way to lessen the blow:

1. Know the requirements-The Residency Review Committee (RRC) for each specialty has written guidelines which are no secret. The new documentation requirements of the six competency measurements is a prime example. It is vital that all residents and faculty understand what the RRC expects to find in each program.
2. Document early and often-The best proof of compliance is what

is written down in each program’s guidelines and resident files. If these documents are kept current, the final compilation of the PIF data for a site visit is much smoother.

3. Educate the residents regarding accurate case logs-Since operative experience is a pivotal issue in resident education, it becomes very important for each resident to understand what and when to record themselves as teaching surgeon, resident surgeon or assistant for education purposes. This “unbundling” is appropriate for teaching but not for billing!
4. Have clear-cut goals and objectives for ALL resident educational activities.
5. Tell the truth-If there are deficiencies in a program, it is better that they are exposed and corrected than covered up. It is the weight and severity of deficiencies which determines whether or not adverse action is taken against the program.

Fortunately, our last site visit in January went quite smoothly, although we will not have any outcome until the RRC meets in August. We feel, however, confident that we did all we could have done to prepare for it and now we can only wait. Thanks are due to Maria Harrington, the faculty, residents and all the staff who helped us through yet another accreditation cycle.

Head and Neck Surgery Team (Continued from Page 1)

Administratively, chairing the bi-monthly Head and Neck Oncology Research focus group for SCC, as well as the weekly Tumor Board also keep him occupied. In the former, multidisciplinary research is planned and prioritized with faculty colleagues, while the latter presents opportunities for faculty and residents to discuss management and accrue patients to clinical trials.

Publishing continues too, with the recent co-editor responsibilities leading to the release of the 4th Edition of Cumming's Otolaryngology-Head and Neck Surgery. Between that, he squeezes in surgery four to five days a week, three clinic days a week, and recently ran two half marathons in 8 days...life goes on in Head and Neck at Washington University!

Dr. W. Donald Gay

Dr. Gay is the Director of the Maxillofacial Prosthetics Division which provides rehabilitative support for patients who have had ablative surgery for cancer and for those who have traumatic or congenital defects. Auricular, nasal and orbital prostheses, as well as many other types, are fabricated in the Maxillofacial Prosthetics Laboratory. State of the art equipment and materials are used to provide patients with prostheses so that they may return to society.



Dr. Brian Nussenbaum

Dr. Nussenbaum continues to divide his time between clinical and research activities. His clinical interests include caring for patients with benign and malignant diseases of all areas of the head and neck, both from resection and reconstructive standpoints. Most recently, techniques using stereolithography and medical modeling have been used in the more complex reconstructive cases to optimize functional and cosmetic results. The results from the initial group of patients treated with this technique were recently presented by Dr. Nussenbaum and Dr. Haughey at the Sixth International Meeting for Head & Neck Cancer in Washington, DC.

Dr. Nussenbaum's research interests include various aspects of PET/molecular imaging of head and neck cancers and the use of tissue engineering approaches for bone regeneration in the craniomaxillofacial

area. The bone regeneration research uses a growth factor called bone morphogenetic protein (BMP). Dr. Nussenbaum is working in an animal model that simulates a cancer-related bone defect and is also studying the biologic effects of this growth factor on squamous cell carcinoma. This basic research will hopefully lead to use tissue engineering in cancer patients. The benefits to patients will be significant if the lost tissue can be regenerated rather than harvested from other sites in their body as grafts.

Dr. Randal Paniello (1990)

Dr. Paniello continues to look for new ways to use free flap techniques in the head and neck region to help patients. Recently, he performed a submandibular gland free tissue transfer to treat a patient with severe xerophthalmia (dry eye). This patient had already lost one eye, and was rapidly losing vision in his other eye due to severe complications from an allergic problem called Stevens-Johnson syndrome. The gland was removed from under the jaw and implanted into a pocket in the temple region, with the duct connected to the eye lining. The saliva produced by the gland restores moisture to the eye, substituting for tears. At 2 months, the patient reports significant symptomatic improvement, and he will soon be able to undergo additional eye surgery to restore his vision. This procedure has been done in other countries, but it was not previously reported in the United States. A feature article on this procedure was published on the front page of the St. Louis Post-Dispatch and picked up by wire services. Patients with similar problems have been calling in from around the country.

Dr. John Sunwoo (2003)

Dr. Sunwoo's clinical work includes general otolaryngology with a special interest in benign and malignant tumors of the oral cavity, oropharynx, hypopharynx, larynx, thyroid, parathyroid, and salivary glands. His research currently involves the study of interactions between cancer and the immune system and mechanisms by which tumors evade the immune system. He is specifically studying a subset of lymphocytes called natural killer cells ("NK cells") that appear to play a role in the body's tumor surveillance. Dr. Sunwoo's research is funded by a National Institutes of Health K08 grant.

Dr. Ravindra Uppaluri (2000)

Dr. Uppaluri's time is divided between clinical and basic research responsibilities. Clinically, he is involved in the care of patients with chronic sinus disease, thy-

roid/parathyroid disorders, salivary gland disease, and of course, patients with head and neck cancer. Three years ago Dr. Uppaluri received a National Cancer Institute based KO8, which is a mentored clinician scientist development award. This is a 5-year award which provides \$110,000 a year for salary and reagent support. His mentor for this research is Dr. Robert D. Schreiber of the Department of Pathology and Immunology, who is an established investigator in the field of cytokine signaling and tumor immunology. Their laboratory work is focused at understanding how the immune system interacts with developing tumors, and his work specifically is aimed at defining the components utilized by cells of the immune system to traffick to the tumor site.

It is Dr. Uppaluri's hope that the basic approaches and knowledge that they are developing in the laboratory will have significant translational impact for patients with head and neck cancer in the years to come.

Dr. James Hartman

After finishing specialty training, including surgical management of head and neck cancers at Loyola University in Chicago in 1993, he has continued to treat cancer of the head & neck including the thyroid gland in his practice, as well as being a teaching surgeon for the otolaryngology residents' patients with head & neck cancer.

Dr. Hartman's particular interest is cancers involving the larynx.



The head and neck cancer group are members of The Alvin J. Siteman Center at Barnes-Jewish Hospital and WUSM. The Siteman Cancer Center is an international leader in patient care, cancer research, prevention, education and community outreach, and a National Cancer Institute comprehensive cancer center. Our head and neck team, along with members of other specialties, play an integral role in patient care. Those specialties include: radiation oncology, medical oncology, radiology, pathology, oral surgery, prosthodontics, speech therapy and psychology. Together each year more than 300 new head and neck cancer patients are treated.

Resident and Fellow

Spotlight

Meet the Chiefs



Erik Bauer, M.D.

Erik says the birth of his son, Carson, and the friendships and gatherings with other residents are the

highlights of his residency years. Dr. Bauer and his wife, Mandy, and Carson will be staying in St. Louis while he completes a 1-year pediatric fellowship at St. Louis Children's Hospital. He has special interests in a range of pediatric otolaryngology, including airway reconstruction and cochlear implantation. Erik is looking forward to graduation and the start of his fellowship. His hobbies include: music collecting, travel, maps and photography.

Gretchen Champion, M.D.



Gretchen says pediatric rotations and the Ward

Chief rotation were highlights of her residency. The most memorable and enjoyable moments of her residency were the ones spent in the operating room with colleagues. Dr. Champion, her husband, Dr. Paul Staveteig, and 4-month old daughter, Lauren Alyse, will be moving to North Dallas, Texas where she will be caring for adult and pediatric patients with rhinology, allergy, and general otolaryngology problems. Gretchen's hobbies include: running, swimming, literature, music, triathlons, traveling with her family and laughing with her daughter.



Jill Hessler, M.D.

Jill will be joining Dr. Shan Baker at the University of Michigan for a 1-year fellowship in Facial Plastic and

Reconstructive Surgery which allows her to pursue her special interest of facial plastic and reconstructive surgery. She says the highlight of her residency was the opportunity to work with and learn from an outstanding group of faculty and residents. Jill's hobbies include: running, pottery, traveling, golf and skiing.



Kenneth Hsu, M.D.

Ken says the high point in his residency was learning from and working with some of the

foremost leaders in our field while training with some of the most enjoyable people he knows. Dr. Hsu will be getting married on June 25, 2005 to Nora Leung, M.D. After graduation they will be moving to Dallas, TX where he will be joining his father, Dr. Chung-Sen Hsu, in private practice. He will initially be based out of his office in Richardson, TX. Ken has a special interest in otologic surgery, as well as thyroid, and parathyroid disorders. He plans to have a general otolaryngology practice though. Ken's hobbies include: tennis, golf, guitar, piano, and violin.

I would like to take a moment to thank our alumni for your continued support to the Department, and especially the resident renovation project fund. With the aid of your support of our educational mission in the department, we have maintained an ongoing pride in the quality of our graduating residents and the accomplishments of our faculty and alumni.

If you would like to donate please contact me at 314-362-7395 or by email rchole@wustl.edu

Thank you, Rick Chole

Alumni

Highlights



Eric Genden, (1998)

As each year passes since leaving St. Louis, I find that I spend more time thinking back on my experience at Barnes. This is

especially true since assuming the position of Chairman of the Department of Otolaryngology at Mount Sinai School of Medicine. In my new position, I have certainly developed an understanding for the complexities of contemporary academic medicine. While I spend a great deal of my time focused on issues like faculty recruitment, resident work hours, and core competencies, I have tried to continue our work in the laboratory. Not unlike Dr. Chole, my laboratory is next door to my office. There I have tried to take the techniques I learned under the tutelage of Dr. Mackinnon and Dr. Flye, and advance our understanding of tracheal transplantation and airway immunobiology. Later in the year we hope to apply our progress in the laboratory to the clinical arena.

Surgical practice in New York has certainly been a unique experience. Our multidisciplinary head and neck oncology team has expanded and is engaged in clinical and outcomes research in addition to a number of clinical trials. The head and neck cancer service remains busy. Last year we performed a little over one hundred flaps, an accomplishment that puts a smile on every resident's face. We are currently working on a book on contemporary management of head and neck cancer which we expect to publish next fall. Probably my most rewarding accomplishment, however, has been spending time with my wife and the birth of my son (He is now one-year old and twenty-eight pounds.) He spends most of his time stuffing Cheerios into my computer or chasing the dog with a



fork! Most importantly, they provide balance in an often unbalanced lifestyle. It is a pleasure to update you on our progress here in New York, and I hope that if you are in the neighborhood, you will visit us.

ALUMNI Where are they now?

Class of 1985



Timothy Dyches is in practice in Reno, NV.



Howard Matsuba is currently a hand surgeon specialist at Kaiser HMO in Los Angeles, CA. He is married to Jo-Anne and they have two girls Stephanie, 17 and Michelle, 13.



Joseph Graboyes sees patients at Advanced Healthcare, a multi-specialty clinic, in Milwaukee and Grafton, WI.



Joel A. Goebel is currently a Professor, Vice Chairman, Residency Program Director and Director of the Dizziness and Balance Center here at Washington University. He is married to Vicky and they have two daughters, Shannon 22 who is a student at W.U. in the Doctoral Program in Physical Therapy and Stacey 17. Dr. Goebel's special areas of interest are: otology/neurotology, inner ear disorders and ossicular reconstruction techniques.

Class of 1995



Robert Jyung is the Director of Otology/Neurotology at University New Jersey Medical School.



Ewain Wilson is currently in practice at Wilmington Health Associates, Wilmington, NC.



Gary Jenison is in private practice in Chillicothe, OH.



Robert Bahadori is a Clinical Assistant Professor at Georgetown University and Clinical Associate Professor of Pediatrics at the University of Virginia.

Class of 2000



Steven West, Andrew Limb, Jeffrey Raval, Ravindra Uppaluri and John Park

Andrew Limb is in private practice in Lodi, CA.

John Park is currently in private practice at ENT Associates in St. Louis, MO where he specializes in sinus, allergies and pediatrics. He is married to Katherine Shiue. John's hobby is golf (and actually improving!)



Jeffrey Raval is currently in private practice in Denver and Vail, CO. In January he went for a two-week medical mission to Cambodian. The picture above is taken with some of the Cambodian otolaryngologists and plastic surgeon. Jeff will be presenting at the AAO meeting in September the following courses: "Minimally invasive facial plastic surgery procedures for the otolaryngologist" and "Cosmetic uses of botox for facial wrinkling and contouring." Jeff enjoys skiing and got almost 50 days in this year!

Ravindra Uppaluri is currently an Assistant Professor here at Washington University. He has a special interest in head and

neck cancer, and tumor immunology. Ravi and his wife, Chitra have a 3-year old son Jayanth. His hobbies are reading and playing with his son.

Steven West is currently in private practice at Metro Ear, Nose and Throat located at St. Anthony's Medical Center. He and his wife, Judy have two children, Jordan, 10 and Anna, 6. Steve's hobbies are playing with his children, running, climbing, and biking. He enjoys sports in general.

Fellows



Marcella Bothwell and Brian Brodish

Marcella Bothwell (Pediatric Fellow) is currently an Assistant Professor at the University of Missouri School of Medicine-Department of Otolaryngology-Head and Neck Surgery in Columbia, MO where she specializes in pediatric otolaryngology. Marcella keeps busy with her husband, Larry Scroggins and her step-children, Joseph, Rebecca and Micah. Marcella's hobbies includes: running, Olympic weightlifting, reading and gardening.

Brian Brodish

(Microvascular Fellow) is currently seeing patients at Eastern Carolina Ear, Nose and Throat and is a Clinical Associate Professor of Surgery at East Carolina University School of Medicine in Greenville, NC. His practice is split 50% general ear, nose and throat and 50% head and neck oncology. In 2004 he performed approximately 30 free flaps. Dr. Brodish's current research activities include photodynamic therapy for treatment of dysplasia/positive margins and participates in clinical trials. He is the Chairman of Cancer Committee Pitt County Memorial Hospital.

Dr. Brodish and his wife, Barbara Goheen Brodish ('02) have a newborn son, Blake Owen. He enjoys golf, skiing, hiking, offshore fishing in the Gulf Stream, gardening vegetables, Barb does the flowers), and spending time at the beach in North Carolina with family.



What's Up

Doc?

Faculty

Richard A. Chole, MD, PhD is invited as the Guest Lecturer at the 21st Annual Manion-Lingeman Lecture and Research Seminar at Indiana University School of Medicine in May 2005. He will present "Biofilm Disease in Otolaryngology."

Timothy Huller, M.D. has been asked to present his current work on the peripheral vestibular system to the Department of Otolaryngology at Johns Hopkins. He has also been asked to serve as an instructor in St. Louis University's Advanced Techniques in Otologic and Neurotologic Surgery course, both to be held in June, 2005. Dr. Huller is pleased to announce that **Elizabeth LaMont**, an undergraduate honors student in his lab, has won a Fulbright scholarship to Australia to continue her study of the vestibular system in the laboratory of Dr. Alan Brichta at the University of Newcastle.

Dwayne Simmons, Ph.D. was recently awarded a 5-year grant from NIH/NIDCD entitled, "Development of Cholinergic Synapses in the Inner Ear."

Stephen Highstein, M.D., Ph.D. recently received a subcontract with the University of Utah to work on a 3-year grant from NIH/NIDCD entitled, "Biomechanics of the Semicircular Canals."

Joel Goebel, M.D. (1985) recently received a grant from NIH/SBIR (Barron Associates) entitled, "An Assistive Device for Balance Disorders." Dr. Goebel also has two upcoming presentation/publications: "Use of Mimix hydroxyapatite bone cement for difficult ossicular reconstruction"-Goebel JA and Jacob A. presented at the 2004 AAO Meeting in New York, NY and will be published In Otolaryngol Head and Neck Surg. and "Anatomic differences in the lateral vestibular nerve channels and their implications in vestibular neuritis"-Gianoli GH, Goebel JA, Mowry S, Poomipanait P to be published in Otology and Neurotology.

Mark E. Warchol, Ph.D. recently received a 1-year grant from the University of Virginia for research entitled, "Peripheral Sensory System Development and Regeneration."

Nancy Tye-Murray, Ph.D. was the keynote speaker and gave two presentations: "Conversational fluency of children who use cochlear implants" and "Aural rehabilitation for oral/aural children" to a group of 500 who attended the Hong Kong Society Conference for Pediatric Audiology in December.

Jay Piccirillo, M.D. is an invited guest speaker at the *Prognostication in the Head and Neck Cancer* Conference to be held in Leiden Netherlands in November, 2005.

Residents

Kenneth Lee, M.D. Ph.D. was the recipient of the 2005 Francis Lederer First Place Resident Research Award for Basic Science which was awarded at the Triological Society's Middle Section Meeting in Chicago, IL in January 2005. His award winning paper is entitled, "Loss of Ephrin A2 Expression in a Subset of Acoustic Ganglion Cells after Hair Cell Loss Suggests its Role in Axon Guidance During Regeneration."

Baran Sumer, M.D. was selected as the 2005 Francis Lederer Award Second Place Resident Research Award for Basic Science which was awarded the Triological Society's Middle Section Meeting in Chicago, IL in January 2005. His award winning paper is entitled, "The Use of Caspase Inhibitor to Enhance Ischemic Tolerance of Fasciocutaneous Flaps."

Jeopardy Time

He was born in Calcutta, India, trained as a resident in Otolaryngology at the University of Chicago and later served as Chairman of the Department of Otolaryngology at W.U. from 1942-1966.

See answer at bottom of this page.



Special

Events

2005 Ogura Lecturer



Randal S. Weber, M.D.

This year we are honored to have Randal S. Weber, M.D., F.A.C.S. as our 2005 Ogura lecturer. Dr. Weber is currently a Professor and Chairman of the Department of Head and Neck Surgery at the University of Texas M.D. Anderson Cancer Center.

Dr. Weber will present, "Management of the neck in differentiated thyroid cancer" and "Organ preservation therapy for head and neck cancer."

The 24th Annual Ogura Lectureship and 19th Annual Resident Research Day will be held on June 10, 2005 at 7:30 a.m.-3:30 p.m. at the Ritz Carlton St. Louis-Amphitheater. We are fortunate to have three alumni presenting: James Cotichia (1996), Norman Druck (1976) and Peter Smith (1981).

The celebration for the graduates will be held at the Ritz Carlton Ballroom and will begin with a cocktail reception starting at 6:30 p.m. with dinner to follow.

COOL FACTS

The first three ACGME accredited Programs in Otolaryngology are:

1st - Wake Forest University School of Medicine- 1947

2nd - University of Pennsylvania- 1949

3rd - Washington University School of Medicine- 1951

Who was Theodore Walsh, M.D.?

Welcome to Oto's newest Faculty members



Abdullah Osman, Ph.D.

Dr. Abdullah Osman comes to our department from the Department of Cell Biology and Physiology at W.U. He received his M.S. in Biochemistry at Northern Arizona University in 1995 and completed his Ph.D. in Biochemistry at the graduate School of Biomedical Sciences, University of Texas Health Science Center at San Antonio in 1999. Dr. Osman worked as a postdoctoral fellow in the laboratory of Dr. Mike Mueckler at W.U. from 2000-2003, and then joined the laboratory of Dr. Jianxin Bao at the CID@WUSM Otolaryngology in 2004 as a Research Scientist. He recently moved to the laboratory of Dr. Dwayne Simmons at the CID@WUSM Otolaryngology where he is currently working as a Research Instructor. Dr. Osman's current research work focuses on characterizing the molecular signaling mechanism involved in the formation of neuronal acetylcholine receptors (nAChRs) in rodent vestibular hair cells. His specific goal is to determine precisely if the efferent innervation caused by postsynaptic clustering of the $\alpha 9/\alpha 10$ acetylcholine receptor subunits within cochlear hair cells involves the agrin-rapsyn-MuSK signaling pathway. Characterization of such signaling mechanism will greatly contribute to our understanding of how efferent innervation is lost from the hair cells during hearing loss and deafness.

Dr. Osman states, "I'm happily married and have a year old son named Rashid." In his free time, he enjoys playing soccer, volleyball, and reading.



Abdullah Osman, Dwayne Simmons, Aubrey Hawkes, Angie Schrader



Julia Edgar, Ph.D.

Dr. Julia Edgar joined our department as a Research Assistant Professor on January 3, 2005 as the speech-language pathologist working with Dr. Paniello's (1990) NIH funded grant, Medialization vs. Reinnervation for Vocal Cord Paralysis. Although she grew up in O'Fallon, MO, school and work opportunities have kept her out-of-state until joining the Washington University Department of Otolaryngology. Her educational background includes a B.A. from Valparaiso University, Valparaiso, IN (1980), M.A. from University of Kansas, Lawrence, KS (1983), and Ph.D. from University of Minnesota, Minneapolis, MN (1994). She has extensive clinical experience in adult dysphagia, voice, and neurogenic communication disorders. Clinical positions have included staff SLP and director of an interdisciplinary dysphagia treatment team at Medical Center Rehabilitation Hospital in Grand Forks, ND, clinical supervisor at the Rehabilitation Hospital of Chicago, where she also developed an outpatient voice program, and adjunct staff SLP at North Memorial Medical Center in Robbinsdale, MN. Dr. Edgar also completed post-doctoral studies at the National Institutes of Health (NIH) in the Voice and Speech Section. Subsequently she held faculty positions in the Department of Communication Disorders at Louisiana State University Health Sciences Center, New Orleans, LA and the Department of Speech and Hearing Science at Arizona State University, Tempe, AZ. As a researcher, her areas of interest include spasmodic dysphonia and respiration as it relates to speech, singing, and swallowing. She enjoys singing, reading, and sewing as leisure activities.



Dr. Paniello's Speech Lab
Dr. Julia Edgar, Jannie Serna and Dr. Nick Debnath

Lisa Davidson, Ph.D.



Lisa Davidson joined our department in September 2004 as a Research Instructor. She received her masters degree in speech and hearing from CID/W.U. in 1987. Upon graduation she began working as an audiologist in the CID school and clinic providing audiologic care for children ranging in age from birth-18 years of age. During that time she participated in test development and data collection for two NIDCD funded R01 research grants under the direction of Dr. Ann Geers; one comparing the effects of various sensory aids on speech perception, speech production and language outcomes in children, and the second comparing the effects of rehabilitation methodologies of children with cochlear implants. This experience coupled with the opportunity to interact with the CID research faculty initiated an interest in becoming a clinical researcher. She received her Ph.D. from W.U. in December 2003. Dr. Margo Skinner served as the primary mentor and supervisor for her dissertation research which compared the speech perception abilities of children with cochlear implants or digital hearing aids.

She is a co-investigator on an NIDCD RO1 (PI-Dr. Skinner) supported grant that is examining the effects of behavioral and objective programming techniques on speech perception data in order to optimize benefit from a cochlear implant for children and adults. She continues to spend part of her time providing audiologic services to children at the CID school in addition to lecturing in the Program in Audiology and Communication Sciences (PACS) at WUSM.

Her research career goal is to address clinically relevant questions through carefully planned research projects with a major focus in the area of pediatric speech perception as it relates to cochlear implant candidacy and device optimization. Her interests also extend to developing an understanding of how changes in the processed sound at the peripheral level of the auditory system affect the transmission of the speech signal to higher cortical levels for speech perception and language development in children.

Lisa, her husband DJ, daughter Lydia and their golden retriever named Willie live in Chesterfield, Missouri.

Department of Otolaryngology-Head and Neck Surgery
Campus Box 8115
660 South Euclid Avenue
St. Louis, MO 63110



Upcoming Events

June 10, 2005 -The 24th Annual Ogura Lectureship and 19th Annual Resident Research Day will be held at the Ritz Carlton –St. Louis Amphitheater. Resident graduation dinner will be held in the evening at the Ritz Carlton Ballroom. Reservation forms will be sent out soon.

We're on the web!
Oto.wustl.edu

Faculty

Richard Chole, M.D., Ph.D.
Lindburg Professor and Head
Jianxin Bao, Ph.D.
Research Assistant Professor
Pablo Blazquez, Ph.D.
Research Assistant Professor
Barbara Bohne, Ph.D.
Professor
Gregory Branham, M.D.
Associate Professor
William Clark, Ph.D.
Professor
Randall Clary, M.D.
Associate Professor
Sharon Collins, M.D.
Associate Professor
Lisa Davidson, Ph.D.
Research Instructor
Julia Edgar, Ph.D.
Research Assistant Professor
Carl Ehrlich, M.D.
Assistant Professor
Brian Faddis, Ph.D.
Research Assistant Professor
James Forsen, Jr., M.D.
Associate Professor
Donald Gay, D.D.S.
Associate Professor
Joel Goebel, M.D.
Professor

Gary Harding, B.S., M.S.E.
Research Associate Professor
James Hartman, M.D.
Associate Professor
Bruce Haughey, MBChB
Professor
Stephen Highstein, M.D., Ph.D.
Professor
Laura Holden, M.S.
Assistant Research Scientist
Timothy Holden, B.S.E.
Assistant Research Scientist
Timothy Hullar, M.D.
Assistant Professor
Judith Lieu, M.D.
Assistant Professor
David Molter, M.D.
Assistant Professor
Nancy Tye-Murray, Ph.D.
Research Professor
J. Gail Neely, M.D.
Professor
Johanna Nicholas, Ph.D.
Research Associate Professor
Brian Nussenbaum, M.D.
Assistant Professor
Kevin Ohlemiller, Ph.D.
Research Associate Professor
Abdullah Osman, Ph.D.
Research Instructor
Randal Paniello, M.D.
Associate Professor

Mary Pashia-Basse, M.S.
Assistant Research Scientist
Jay Piccirillo, M.D.
Associate Professor
Alec Salt, Ph.D.
Professor
Steven Scholnick, Ph.D.
Associate Professor
Donald Sessions, M.D.
Professor Emeritus
Dwayne Simmons, Ph.D.
Research Associate Professor
Margaret Skinner, Ph.D.
Professor
Gershon Spector, M.D.
Professor
John Sunwoo, M.D.
Assistant Professor
Isolde Thalmann, Ph.D.
Research Professor
Ruediger Thalmann, M.D.
Professor Emeritus and Lecturer
Stanley Thawley, M.D.
Associate Professor
Rosalie Uchanski, Ph.D.
Research Assistant Professor
Ravindra Uppaluri, M.D., Ph.D.
Assistant Professor
Michael Valente, Ph.D.
Professor
Mark Warchol, Ph.D.
Research Associate Professor