A Man's Legacy

On February 7, the U-M community and field of otolaryngology-head and neck surgery lost one of its greatest leaders, Charles J. Krause, M.D. He passed away in Florida surrounded by his family. Today we pause to celebrate his life and recall the many qualities and lessons that define his legacy.

Dr. Krause served as chair of the U-M Medical School's Department of Otolaryngology from 1977, when he was recruited to Michigan, until 1992. He remained active on the faculty until 2000 and served in leadership positions in the Hospitals and Health Centers and Medical School. He was founding president of M-CARE, the health plan formerly owned by U-M.

He earned his medical degree in 1962 from what was then known as the State University of Iowa, now known as the University of Iowa. After completing his otolaryngology residency there, he joined the Iowa faculty.

Once at Michigan, Krause helped transform the department, including introducing specialty divisions into the faculty members’ academic physician practice; recruiting new faculty; improving the clinical facilities where ear, nose and throat care was provided; establishing the Center for Facial Cosmetic Surgery; and bolstering basic research and residency training. Dr. Krause’s vision and efforts laid the foundation for the quality of medicine practiced and the values expressed in our department today.

In addition to his role as department chair, Dr. Krause served U-M as the chief of clinical affairs, senior associate dean at the Medical School and senior associate hospital director. He led the development of M-CARE, a health plan launched by U-M in 1986, and served as its first president. He directed strategic planning for U-M’s first satellite health care facilities off the main medical campus.

On a national level, Dr. Krause served as president of organizations such as the American Academy of Otolaryngology-Head and Neck Surgery, the American Society of Head and Neck Surgery, the American Academy of Facial Plastic and Reconstructive Surgery and the American Board of Otolaryngology.

Always the calm and thoughtful visionary, his leadership style was one of building consensus and bringing people together. He played an important role in efforts to join the American Society of Head and Neck Surgery (comprised of otolaryngologists) with the Society of Head...
FROM THE CHAIR

Dear Colleagues,

I must first begin by acknowledging the loss of our mentor, colleague and friend, Charles J. Krause, M.D. Dr. Krause passed away Feb. 7 on Marco Island, surrounded by his family. He made a profound impact on our lives and the profession as a whole. We remember him fondly and look forward to carrying on his legacy in the years to come.

Having completed four years as department chair, it is fitting to reflect upon our accomplishments and look ahead to the future.

We touched the lives of thousands of patients during the last year. We saw more than 66,000 patients in our ambulatory clinics and performed 6,000 surgeries. The new C.S. Mott Children's Hospital and Von Voigtlander Women's Hospital is an extraordinary building and remarkable work is happening there every day.

This newsletter gives you an in-depth look at our extraordinary Division of Facial Plastic, Reconstructive and Cranial Base Surgery. This excellent team has a history of providing patient-centered, innovative care.

We continue to make important and significant advancements in several areas, including hearing research, head and neck cancer research and health services research. We are ranked third in NIH funding amongst otolaryngology departments nationwide. Despite reductions in the NIH budget, our faculty members continue to enjoy remarkable success in competing for research funding, which allows us to perform the meaningful scholarly work that results in important discoveries that impact patients’ lives.

Residency selection season is in full gear. In early January, we interviewed 54 candidates from amongst 383 applicants. Our training program is one of the most sought after in the nation, making the resident selection process no small challenge.

The fall brought a number of exciting alumni events, including the Charles J. Krause, M.D., Collegiate Professorship in Otolaryngology Installation Ceremony, the 2012 Michigan Work Society Meeting and the 18th Annual John L. Kemink, M.D., Memorial Lecture. “Like” us on Facebook to view photos from these events.

The next year will be a time of growth. We will see growth in our facilities through the expansion of our Taubman Center Adult Clinic. This expansion allows us to also expand our Voice Center services as it moves back to the Taubman Center from Livonia, launch our facial nerve disorders program led by Jennifer C. Kim, M.D., and offer onsite hearing aid dispensing. We also plan for continued expansion of our destination head and neck cancer and cranial base programs. We have already recruited Matthew E. Spector, M.D., to join our head and neck oncology division, who graduated from our residency program and is also completing his fellowship in head and neck oncology and microvascular surgery here. Dr. Spector plans to join us in July 2013.

There is certainly a spirit of excitement among our team members as we look ahead to the changes that await us. As I close, I wish to acknowledge the generosity of many, including all who made the installation of the Charles J. Krause, M.D., Collegiate Professorship in Otolaryngology a reality. In addition, we have received an important bequest to endow a Research Professorship in Neurolaryngology in memory of Gerald E. Butler, M.D., a 1958 residency alumnus. Philanthropy is truly the key to our ongoing success.

Warm regards,

Carol R. Bradford, M.D., FACS
Charles J. Krause, M.D., Collegiate Professor of Otolaryngology and Chair, Department of Otolaryngology-Head and Neck Surgery

and Neck Surgeons (comprised of general surgeons) into the modern day American Head and Neck Society, mitigating a historically adversarial relationship.

Dr. Krause had a profound impact on many trainees over the years and left an indelible mark on the faculty he recruited. He was futuristic in his thinking and expected and received the best from those with whom he worked. Under his guidance and by his example, dozens of trainees entered the field of otolaryngology-head and neck surgery with the intention of advancing medical knowledge and improving patient care. This legacy continues today as his trainees pass on Dr. Krause’s principles of integrity, honesty and professionalism to future otolaryngologists.

Dr. Krause retired in December 2000. He and his lovely wife, Barbara, divided their time between Marco Island, Florida and Leland, Michigan. Barbara is a remarkable woman and steadfastly supported Dr. Krause for 50 years.

In November 2012, our department honored Dr. Krause with the installation of the Charles J. Krause, M.D., Collegiate Professorship in Otolaryngology. You can read more about this wonderful event in the development section of this newsletter, found on page 13.

As we say goodbye to our teacher, mentor, colleague and friend, we think fondly on the lessons learned and the memories made. We embrace his legacy and recognize that it is our responsibility to carry it forward to future generations of otolaryngologists. Charles J. Krause, M.D.: a compassionate physician, a fearless leader, a dedicated teacher and a wonderful man.
TREATING FACIAL NERVE PARALYSIS

The facial nerve is the nerve of facial expression. Facial nerve paralysis occurs when the facial nerve no longer works properly. Causes include Bell’s Palsy, a tumor requiring removal of a portion of the facial nerve, trauma, diseases and infections. The effects can be devastating. Not only do patients struggle with significant changes in their physical appearance and the ability to express emotion and communicate, but they can also experience vision loss, nasal blockage and difficulty with eating and drinking. Consequently, the majority of patients experience social withdrawal and depression.

The U-M Facial Nerve Disorders Clinic exists to address the many challenges faced by patients with facial nerve disorders. Comprised of members from facial plastic surgery, neurotology, audiology, occupational therapy and oculoplastic surgery, the Facial Nerve Disorders Clinic enables us to offer individualized approaches to treat all aspects of facial paralysis.

**Patient Profile: Ann Mayo**

**Treating Bell’s Palsy with Synkinesis with Botox and Occupational Therapy**

A common cause of facial nerve paralysis is Bell’s Palsy—temporary paralysis or weakness of the muscles on one side of the face. Most patients with Bell’s Palsy make a full recovery, but in 15-20% of cases, the nerve can be permanently injured or may recover imperfectly, resulting in synkinesis—unintentional, mass movement of the facial muscles. Not only can synkinesis cause facial discomfort, but it is distressing to patients, who experience facial asymmetry both at rest and with expression.

Ann Mayo was in her eighth month of pregnancy when she was diagnosed with Bell’s Palsy with synkinesis. For nearly 20 years, Ann struggled with right-side drooping and muscle spasms. “It was difficult. I’m a first grade teacher. It’s my job to teach young children new sounds and words, but I couldn’t make those sounds and words without holding my cheek, due to the facial paralysis. Try explaining that to a group of six- and seven-year-olds!”

In 2010, while surfing the Web for potential facial paralysis treatments, Ann stumbled across the U-M Facial Nerve Disorders Clinic. Impressed by the possibilities offered by U-M, she made an appointment to see Jennifer C. Kim, M.D.

Upon presenting at our Facial Nerve Disorders Clinic, Ann had synkinesis on her right side, resulting in significant asymmetries of her smile, eye and brow. Dr. Kim suggested serial Botox injections, which she later reinforced with the addition of occupational therapy for neuromuscular training. “I was so excited to try this treatment! No surgery, the potential of balancing my face and retaining my muscles - I was thrilled!” says Ann.

Now almost three years later, Ann notes significant improvement. “You can hardly notice the drooping, and I am much more effective at work.”

Ann continues to receive Botox injections every 3-4 months. She no longer attends occupational therapy, as she does the exercises on her own.

**Patient Profile: Brandon Haag**

**Facial Nerve Reanimation**

Another common cause of facial nerve paralysis is when a tumor requires removal of a segment of the facial nerve. However undesirable, sometimes the benefits of cutting the facial nerve in order to remove the tumor outweigh the consequences.

This was the case for Brandon Haag, a 26 year-old who presented at our Facial Nerve Disorders Clinic with left facial nerve paralysis following resection of an acoustic schwannoma. “After several surgeries, the tumor was removed, but I was left with facial nerve paralysis, so I was referred to Dr. Kim,” says Brandon.

Although the left side of Brandon’s face was paralyzed, he still had full function of his right side. Dr. Kim recommended facial nerve repair via cross-facial nerve grafting. During this procedure, the sural nerve is harvested from the leg and used to connect to a branch of the functioning facial nerve from the right side of the face. Nine to 12 months is allowed for the nerve axons to regenerate across the face via the sural nerve graft. A second surgery is performed about a year later to transplant the gracilis muscle from the thigh. Microvascular surgery is performed to reconnect blood vessels and the sural nerve to the motor nerve of the muscle. Another 6 months are required for the nerve axons to regenerate and power the transplanted leg muscle. “Because the nerve input to the transplanted muscle is from the opposite intact facial nerve, this option is unique in that it provides a natural emotional smile in contrast to other reanimation surgeries,” Dr. Kim says.

“At first, I was unsure about the procedure. I had never heard of something like this. But I trusted Dr. Kim,” Brandon says.

Brandon underwent cross-facial nerve grafting in February 2009. After giving the nerves months to regenerate, Dr. Kim saw Brandon for follow-up in September 2009. Pleased with his progress, Dr. Kim felt he would benefit from a free gracilis muscle transfer to reanimate the left face. In October 2009, Brandon underwent the second stage of surgery.

Over the course of 18 months, Brandon experienced notable improvements in reanimation of the left side of his face. Now three years later, 28-year-old Brandon continues to improve and thrive. He follows up with Dr. Kim and an occupational therapist every three months. “I’ve come a long way through all of this,” Brandon says. “It hasn’t been easy, but it’s been worth it.”
Greetings from the KHRI!
The last several months have held a flourish of activity at the KHRI, well beyond our daily mix of research, committee service, teaching and grant writing. In June, our Summer Research Program for the Deaf and Hard of Hearing marked its 23rd year. Every summer since 1990, KHRI laboratories have hosted three to five students for research internships. For ten weeks, these students work alongside established researchers, postdoctoral fellows and graduate students, gaining insight into the research process and how to shape a career. The program has close ties with Gallaudet University, the National Technical Institute for the Deaf at the Rochester Institute of Technology and Entry Point!, the signature program of the American Association for the Advancement of Science Project on Science, Technology and Disability.

In December, we enjoyed the Lawrence-Hawkins Lectures, welcoming alumnus José Juiz, M.D., Ph.D., as our keynote speaker. Dr. Juiz was a post-doctoral fellow with us from 1987 to 1990. He went on to pursue his career in his native Spain, serving as the first dean of the newly-created School of Medicine at the University of Castilla-La Mancha (UCLM) from 1999 to 2004. Dr. Juiz is now professor and director of the UCLM Research Institute for Neurological and Sensory Disabilities. Presentations made by seventeen of our current trainees demonstrated the impressive breadth and depth of research carried out in our department.

On the research front, together with our clinical colleagues, we continue to be national leaders in research funding, ranked third nationally for NIH funding amongst otolaryngology departments, representing an almost 8-percent market share. Over 20 federal grants are paired with approximately the same number of non-federal grants for a thriving research enterprise. These grants are awarded to our faculty, but we have to thank our staff for their contributions; without them we could not be successful. On the local scene, we have been likewise successful with several MICH and MCBED awards (R. Keith Duncan, Ph.D.; Silvana M. Papagerakis, M.D., M.S., Ph.D.; Yehoash Raphael, Ph.D.; Susan E. Shore, Ph.D.; and Thomas E. Carey, Ph.D.) and a rather futuristic-sounding team award from the University of Michigan Center for Organogenesis for work on “Development of a Completely Implantable Artificial Organ of Corti” (Drs. Raphael and Pfingst in collaboration with colleague Karl Grosh, Ph.D.).

Let me add a few KHRI folks to our growing list of recognition: Donald L. Swiderski, Staff Employee of the Year; Jochen Schacht, Ph.D., 2012 Endowment for the Biomedical Science Teaching Award in Biochemistry; Susan Shore, Ph.D., elected chair of the scientific advisory board of the American Tinnitus Association; and Thomas E. Carey, Ph.D., inaugural governance committee member for the UMMS centralized biorepository initiative. Talking about personnel, KHRI also welcomed Gregory J. Basura, M.D., Ph.D., in a split appointment between clinic and research.

Finally, the installation of the Charles J. Krause, M.D., Collegiate Professorship in Otolaryngology is a major testimony to Dr. Krause and the philanthropic efforts of his students and colleagues. Philanthropy continues to play an important role in our efforts to maintain excellence and push the cutting edge of science. We are most grateful, therefore, to our alumni and friends who have provided and, hopefully, will continue to provide much needed support. In particular, we hope to finalize an endowed chair honoring Merle Lawrence, Ph.D.

Best wishes,

Jochen Schacht, Ph.D.
Director, KHRI
Professor, Otolaryngology, U-M Medical School
Clinical Study: Full-Thickness Skin Graft Overlying a Separately Harvested Auricular Cartilage Graft for Nasal Alar Reconstruction

David A. Zopf, M.D.; Wade Iams, M.D.; Jennifer C. Kim, M.D.; Shan R. Baker, M.D., FACS; Jeffrey S. Moyer, M.D., FACS

Nasal skin is one of the most common locations for malignant neoplasms, with approximately 85% being basal cell carcinoma, 14% squamous cell carcinoma and 1% melanoma. Twenty-one percent of nasal skin cancers occur on the nasal ala. Common techniques for nasal alar defect repair following Mohs micrographic surgery include healing by secondary intention, primary repair, skin grafts for small, superficial defects and cartilage with interpolated cheek or forehead flaps for deeper, larger defects.

When patients present with a large-volume mucosal-sparing nasal alar defect, it is generally our practice to recommend an interpolated forehead flap (or interpolated cheek flap if an alar defect is primarily involved) with auricular cartilage. However, a staged reconstruction may be undesirable for patients who are unwilling or unable to undergo multiple operations. Other surgical options that meet the reconstructive goals of deep alar defects but are single stage would be highly desirable in this patient population.

Surgeons and residents from our Division of Facial Plastic Reconstructive Surgery/ Cranial Base Surgery conducted a study of 20 patients to evaluate the aesthetic and functional outcomes of combining a full-thickness skin graft and a separately harvested auricular cartilage graft in a single-stage operation for nasal alar defects created by Mohs micrographic surgery. The study concluded that a full-thickness skin graft and overlying a separately harvested auricular cartilage graft construct is a viable and valuable option in mucosal-sparing nasal alar defect reconstruction.

Although this approach cannot completely replace the aesthetic and functional long-term result of cartilage underlying a vascularized interpolated cheek or forehead reconstruction, it does lend a valuable adjunctive reconstructive tool in certain instances and should be given strong consideration when medical comorbidities and patient preference outweigh aesthetic demands.

Rhinosinusitis: Variations in Care and Opportunities for Improvement
P.I.: Melissa A. Pynnonen, M.D.
Sponsor: MICH-K Mentored Clinical Scientist Career Development Award
Project Dates: 7/1/12–6/30/14

A Stem Cell-Seeded Nanofibrous Scaffold for Auditory Nerve Replacement
P.I.: R. Keith Duncan, Ph.D.
Sponsor: Department of Defense
Project Dates: 19/30/12–9/29/16

Completely Implantable Artificial Organ of Corti (CIAO)
P.I.: Yehoash Raphael, Ph.D.
Sponsor: U-M Center for Organogenesis, Organogenesis Research Team Award
Project Dates: 11/1/12–10/31/13

Antacid Medications as Anticancer Agents Improve Patients Survival and Clinical Outcome
P.I.: Silvana M. Papagerakis, M.D., M.S., Ph.D.
Sponsor: U-M MCubed Program
Project Dates: 11/28/12–6/30/14

Development of a Cancer Stem Cell Vaccine
P.I.: Qiao Li, Ph.D.
Co-I: Mark E. Prince, M.D.
Sponsor: U-M MCubed Program
Project Dates: 11/28/12–6/30/14

Enhancing Hearing Restoration by Improving the Condition of the Fluid Spaces in the Cochlea
P.I.: Yehoash Raphael, Ph.D.
Sponsor: U-M MCubed Program
Project Dates: 11/28/12–6/30/14

Structure-Toxicity Relationship of Geneticin Derivatives: Collaboration Between U-M and University of Zürich
P.I.: Jochen Schacht, Ph.D.
Sponsor: University of Zürich
Project Dates: 12/1/12–11/30/13

Multimodal Interactions in Brainstem Nuclei Mediate Auditory and Vestibular Dysfunction
P.I.: Susan E. Shore, Ph.D.
Sponsor: U-M MCubed Program
Project Dates: 12/18/12–6/30/14

Oral High-Risk HPV and the Risk of Oral and Pharyngeal Cancer
P.I.: Thomas E. Carey, Ph.D.
Sponsor: U-M MCubed Program
Project Dates: 12/18/12–6/30/14

Variation in Diagnosis of Laryngeal Cancer
P.I.: Gordon H. Sun, M.D., M.S.
Sponsor: BCBS of Michigan Foundation Physician Investigator Research Award Program
FACIAL PLASTIC AND RECONSTRUCTIVE SURGERY/CRANIAL BASE SURGERY

- Shan R. Baker, M.D., FACS, won the 2012 UMMS Lifetime Achievement Award for Clinical Care and the AAFPRS 2012 John Dickinson Teacher Award. Dr. Baker also accepted an associate editor position with Archives of Facial Plastic Surgery, soon to be known as JAMA Facial Plastic Surgery.

HEAD AND NECK ONCOLOGY

- Carol R. Bradford, M.D., FACS, was installed as the first Charles J. Krause, M.D., Collegiate Professor of Otolaryngology. She was also the keynote speaker at the Lee Ching Wu Anderson, M.D., Women in Otolaryngology Annual Leadership Inaugural Lecture.
- Douglas B. Chepeha, M.D., MSPH, FACS, was promoted to professor of otolaryngology-head and neck surgery with tenure, effective Sept. 1.
- Kelly M. Malloy, M.D., FACS, was appointed medical director of University Hospital’s 4B surgical unit. In partnership with 4B nurse manager Karen McConnell, Dr. Malloy will aim to improve quality of care, embrace a culture of collaboration and patient safety and deliver efficient, timely and patient-centered care.
- Dr. Malloy, Jeffrey J. Stanley, M.D., and Karen McConnell received a grant to pilot a sleep kit on 4B. By providing patients with ear plugs, eye covers and nursing-supported educational material on good sleep hygiene for the hospitalized patient, the project aims to improve sleep quality and patient satisfaction.

LARYNGOLOGY, RHINOLOGY AND GENERAL OTOLARYNGOLOGY (LaRGO)

- Norman D. Hogikyan, M.D., FACS, received the UMMS 2012 Medical School Community Service Award.
- Melissa A. Pynnonen, M.D., was appointed to the State Board of Speech-Language-Pathology effective 2013. Dr. Pynnonen also received the 2012 G-I-N Conference Scholar Award, as well as the American Academy of Otolaryngology-Head and Neck Surgery Foundation Honor Award.
- Dr. Stanley was appointed medical director of the Alternatives to CPAP program effective Jan. 1.

NEUROTOLOGY/OTOLOGY

- Gregory J. Basura, M.D., Ph.D., joined the faculty and is integrating into the clinical and educational aspects of the otology service. He is accepting new patients at the Taubman Clinic and in Livonia. He continues his 50-percent research appointment at the Kresge Hearing Research Institute and is working to complete an application for his first RO1 grant from the NIH/NIDCD. He recently received a fNIRS Small Grants Award. The goal of this research is to collect pilot data using fNIRS technology to investigate metabolic differences in primary auditory cortices of patients suffering from tinnitus compared with normal control subjects.
- H. Alexander Arts, M.D., FACS, now has a 30-percent appointment in the Division of Pediatric Otolaryngology and is welcoming new pediatric patient appointments. His particular interests are implantable devices for rehabilitation of hearing loss such as BAHAs or cochlear implants, as well as complex ear surgery for chronic otitis media with or without cholesteatoma.
- Greg Mannarelli, Au.D., participated in the American Academy of Audiology’s Jerger Future Leaders in Audiology Conference. Attendees tackled a wide variety of topics in discussions moderated by professional and Academy leadership and other invited speakers.
- Bob Mosher, M.C., CCC-A, retired after 29 years in audiology here at U-M. Congratulations, and we’ll miss you!

PEDIATRIC OTOLARYNGOLOGY

- Jaynee H. Handelsman, Ph.D., completed her last of three years on the American Speech-Language-Hearing Association (ASHA) Board of Directors. She was selected to be the 2014 ASHA Convention co-chair for audiology.
- David A. Zopf, M.D., won the Michigan Otolaryngological Society’s 2012 Resident Award.
• In a December UMHS press release, Marci M. Lesperance, M.D., FACS, and Jaynee H. Handelsman, Ph.D., discussed the National Poll on Children’s Health, which has found that most parents back the idea of required hearing screenings for kids, and not just for the youngest. In fact, two-thirds felt that screenings for children up to age 17 is a good idea.

• Sound Support, the cost-sharing grant between our department and Michigan Medicaid, was renewed for an additional year. This grant enables us to provide outreach to professionals and families with children with hearing loss throughout Michigan. All U-M pediatric audiologists are now included in that important outreach work.

• In an effort to improve O.R. efficiency and productivity, David J. Brown, M.D., and Marc C. Thorne, M.D., MPH, are piloting rapid otolaryngology case (ROC) days two days each month. A typical ROC day consists of shorter pediatric otolaryngology cases, including ear tubes, tonsillectomy, adenoidectomy, nasal cautery, inferior turbinate reduction and tongue tie release. The goal of ROC days is to improve efficiency enough to double the average number of these common procedures. To date, the ROC days have been a success.

• The division instituted a quarterly multidisciplinary conference with pediatric otolaryngology, speech-language pathology, audiology and the Cochlear Implant Program to discuss issues related to children with hearing and speech disorders. Topics to date have included auditory neuropathy, evaluation of children with autistic spectrum disorders and newborn hearing screening referrals. The goal of the conference is to promote multidisciplinary care, provide educational opportunities for trainees and to explore ideas for research collaborations.

• The Pediatric Otolaryngology Fellowship was accredited by the ACGME.

2012 DEAN’S AWARD RECIPIENTS

Lifetime Achievement Award in Clinical Care
Shan R. Baker, M.D., FACS

The Lifetime Achievement Award in Clinical Care is awarded to physicians who have distinguished themselves through their exceptional achievements in clinical care. Dr. Baker is a worthy recipient of this award.

Dr. Baker joined our faculty in 1977 after being recruited by Charles J. Krause, M.D. Today, Dr. Baker is a distinguished leader in the field of otolaryngology. He has authored hundreds of academic papers and chapters and taught countless residents. He performed the first microsurgical free flap in the state in 1978. He edited the first textbook dedicated to microsurgical free flap head and neck reconstruction in 1989. Along with Dr. Krause, he held the first microsurgical workshop for academic head and neck surgeons. Along with numerous colleagues, he helped to form both the U-M destination program in head and neck oncology and the U-M destination program in multidisciplinary cutaneous oncology, as well as established the U-M Center for Facial Cosmetic Surgery.

Dr. Baker says he feels very fortunate that there has not been a single day during the past 35 years when he did not look forward to “going to work.” He says that’s because of his extraordinary colleagues and the interesting and challenging practice he enjoys.

Medical School Community Service Award
Norman D. Hogikyan, M.D., FACS

The Medical School Community Service Award recognizes Medical School faculty who contribute to the local, national or global community in an extraordinary fashion. Dr. Hogikyan received this award for his work with the Annual Free Throat Cancer Screening Clinic.

Dr. Hogikyan did his undergraduate and medical training at U-M. He completed his advanced training at the National Institutes of Health, Washington University and Loyola University before returning to U-M in 1995. In 1996, he established a free throat cancer screening clinic to serve Ann Arbor and surrounding communities in partnership with the U-M Comprehensive Cancer Center. From this modest beginning, the annual Throat Cancer Screening and Smoking Cessation Counseling Clinic now has served more than 1,000 people – helping to improve the state of health care in our region. Dr. Hogikyan has directed this clinic for 17 consecutive years, not only serving the community, but also using these experiences to publish clinical research that is helping to define optimum screening practices nationally. He is a wonderful asset to our department, to the community and to the profession.

Dr. Hogikyan says the thing he likes best about being at U-M is the opportunity to impact the lives of others and to contribute to the common good.
The Division of Facial Plastic, Reconstructive and Cranial Base Surgery remains on the cutting edge of the evolving fields of aesthetic, reconstructive and minimally invasive surgery. With five full-time faculty members representing a broad spectrum of expertise, the division saw more than 7,500 patients and performed over 1,200 surgeries in 2012.

The division continues to maintain a robust collaboration with the U-M Department of Dermatology, one of the busiest Mohs surgical practices in the nation and the second busiest melanoma practice in the world behind the University of Sydney in Australia. This unique and dynamic relationship helps position the division to continue to lead the world in innovations involving facial plastic and reconstructive surgery.

The relationships of Lawrence J. Marentette, M.D., FACS, and Erin L. McKean, M.D., MBA, FACS, with the Department of Neurosurgery have remained strong, and the emerging emphasis on endoscopic skull base surgery has reinforced U-M as one of the world leaders in the treatment of tumors involving the anterior skull base. In addition to these well-established initiatives, the U-M Facial Nerve Disorders Clinic under the guidance of Jennifer C. Kim, M.D., is becoming a regional powerhouse for the management of these difficult conditions. Collaborations with our world-renowned U-M Biomedical Engineering are just beginning to show glimpses of the future management of facial paralysis that will undoubtedly involve reinnervation.

**EDUCATION**

Education continues to be a core mission of the division, with all faculty members committing numerous hours to teach practicing physicians, fellows, residents and medical students. In addition to lecturing both globally and nationally, the division maintains an active learning environment at U-M through the Center for Facial Cosmetic Surgery, the Multidisciplinary Cranial Base Clinic and the Facial Nerve Disorders Clinic.

We offer two outstanding and highly-coveted facial plastic and reconstructive surgery fellowship opportunities to graduating otolaryngology-head and neck surgery residents through the American Academy of Facial Plastic and Reconstructive Surgery. Our faculty also remain active in microvascular surgery and contribute to the training of fellows who seek to specialize in free tissue transfer.

**RESEARCH**

Active research projects in the division include the economic analysis of endoscopic and open skull base surgery, novel treatments for facial nerve disorders and improving reconstructive outcomes following Mohs surgery. Even in the era of single-digit funding from the National Institutes of Health, the division continues to be successful in obtaining funding for core research missions.

**SERVICE**

The division is committed to providing high-quality, cutting-edge, patient-centered care both at home and around the world. From our faculty involvement in the low-income Hope Clinic@UMHS to microtia reconstruction in Peru and Guatemala, the division remains committed to reaching out to all patients with complex reconstructive and surgical needs regardless of socioeconomic or geographic disparities.

**DIVISION SPOTLIGHT**

Shan R. Baker, M.D., FACS, who has led this division since its inception, recently stepped down as division chief, and Jeffrey S. Moyer, M.D., FACS, has assumed the reins.

Dr. Baker has been a U-M faculty member since 1977 and division chief since 1990, when he, Gregory T. Wolf, M.D., and Charles J. Krause, M.D., established the Center for Facial Cosmetic Surgery. Now 22 years later, the practice boasts three skilled surgeons, a fellow, a paramedical esthetician and a robust support staff. Together the team provides exceptional patient care to nearly 3,000 patients per year.

We cannot say thank you enough for the significant impact Dr. Baker has had on our department in his role as division chief. More than 20 fellows have trained under him, with many going on to advance facial plastic and reconstructive surgery techniques. Dr. Baker embodies the Michigan Difference through his investment in his colleagues, trainees and patients. While many academic centers are challenged to retain surgeons in the discipline, Dr. Baker and colleagues have remained true to Michigan throughout their careers.

Again, thank you to Dr. Moyer for stepping into this leadership position. We look forward to the division’s continued success.
MEET OUR FACULTY

Jeffrey S. Moyer, M.D., FACS
Division Chief, Division of Facial Plastic and Reconstructive Surgery/Cranial Base Surgery
Associate Professor, Otolaryngology-Head and Neck Surgery, U-M Medical School

Clinical Interests: facial plastic and reconstructive surgery
Research Interests: improving reconstructive outcomes and immunological therapy of cancer
Personal Interests: spending time with family

Shan R. Baker, M.D., FACS
Professor, Otolaryngology-Head and Neck Surgery, U-M Medical School

Clinical Interests: facial plastic surgery, management of cutaneous malignancies and cosmetic surgery of the face and neck
Research Interests: cosmetic and facial reconstructive surgery and cutaneous malignancies
Personal Interests: running, hiking, biking, cooking, travel, theater, symphony and opera

Jennifer C. Kim, M.D.
Associate Professor, Otolaryngology-Head and Neck Surgery, U-M Medical School

Clinical Interests: cosmetic and reconstructive facial plastic surgery, facial nerve disorders, microtia and ear reconstruction, microvascular reconstructive surgery
Research Interests: facial nerve reanimation
Personal Interests: spending time with family

Lawrence J. Marentette, M.D., FACS
Director, UMHS Destination Programs
Professor, Otolaryngology-Head and Neck Surgery, U-M Medical School

Clinical Interests: head and neck surgery, craniofacial surgery, cranial base disorders, skull base tumors, facial trauma and facial plastic surgery
Research Interests: skull base tumor biology
Personal Interests: fishing, cross country skiing

Erin L. McKean, M.D., MBA, FACS
Director, Skull Base Destination Program
Assistant Professor, Otolaryngology-Head and Neck Surgery, U-M Medical School

Clinical Interests: benign and malignant skull base tumors, CSF leaks, sinus cancers, head and neck cancer
Research Interests: outcomes of open and minimally invasive skull base surgeries, factors predicting blood loss in pituitary surgery, long-term effects of head and neck radiation on pituitary function
Personal Interests: spending time with family
It’s been an exciting few months in the department, with faculty, staff and trainees enjoying a variety of educational opportunities.

Otolaryngology-Head and Neck Surgery Simulation Day

We held our first Otolaryngology-Head and Neck Surgery Simulation Day on July 28. Attendees rotated through several simulation stations, including direct laryngoscopy, bronchoscopy, endoscopy and foreign body removal; cricothyroidotomy, tracheotomy and tracheotomy changes on pig larynges; complex facial laceration suturing on pig feet and drainage of peritonsillar abscesses; and complex simulation scenarios with anaphylaxis. The day received positive feedback, with attendees valuing the opportunity to learn and practice new skills and procedures in nearly real situations without risk of injury to a patient.

Special thanks to David J. Brown, M.D.; Marc C. Thorne, M.D., MPH; and Scott Cronin, M.D.; and medical student Cher Zhao for organizing the day. Additional pictures are available on our department’s Facebook page.

Our next simulation activity, “ORL Essential Boot Camp,” will take place July 13 at the U-M Clinical Simulation Center. Attendees will learn airway management from intubation to tracheostomy, drainage of peritonsillar abscess, myringotomy with tube insertion, adenoidectomy and basic sinus surgery skills. They will also assess on-call readiness and management of common ORL emergency scenarios through hands-on experience using high-technology manikins. With emphasis on experience and practice rather than lectures and formal didactics, learners will leave with increased comfort and confidence as they embark on their early careers. This course is open to PGY-1 and PGY-2 residents. For more information, please visit http://on.fb.me/WixRiU.

Temporal Bone Course

September marked our 134th Temporal Bone Course. We were pleased to have two of our former residents serve as guest professors. John A. Germiller, M.D., Ph.D., and Brandon Isaacson, M.D., have gone on to have distinguished academic careers at other institutions and were kind enough to return for these visits. Each expressed strong appreciation for their U-M training and found themselves extraordinarily well-prepared for their fellowship programs and subsequent faculty positions. They also each spontaneously admitted that their appreciation has reached a whole new level as they came to understand the dedication and discipline required to teach ear surgery to their own residents! This made us very proud of our otology/neurotology faculty.

Endoscopic Sinus and Skull Base Dissection Course

Residents from otolaryngology-head and neck surgery programs throughout southeast Michigan enjoyed our fall Endoscopic Sinus and Skull Base Dissection Course, sponsored by Strykers. Attendees participated in didactic lectures, cadaveric dissection and live surgery under the guidance of U-M and faculty and guest lecturers. This year’s guest lecturers were Roy R. Casiano, M.D., FACS; professor and vice chairman of clinical affairs, Department of Otolaryngology; and director, Center for Sinus and Voice Disorders; University of Miami; and Adam J. Folbe, M.D.; assistant professor and medical director, Department of Otolaryngology-Head and Neck Surgery; Wayne State University School of Medicine. Many thanks to both for being a part of this course.

18th Annual John L. Kemink, M.D., Memorial Lecture

In collaboration with the U-M Department of Neurosurgery, we hosted more than 60 faculty and guests for the 18th Annual John L. Kemink Memorial Lecture on Nov. 16 at the A. Alfred Taubman Biomedical Science Research Building (BSRB). The Department of Neurosurgery invited Dr. Carl B. Heilman, professor and chairman of the Department of Neurosurgery at Tufts Medical Center to present this year’s lecture. Dr. Heilman presented on endoscopic endonasal vs. transcranial skull base surgery. We then enjoyed cocktails and dinner in the BSRB Omenn Atrium. The next morning, Dr. Heilman hosted a series of case presentations, which provided many informational discussions. It was a wonderful event and a fitting tribute to Dr. Kemink’s memory.

Lawrence-Hawkins Lectures

The Kresge Hearing Research Institute (KHRI) hosted the 2012 Lawrence-Hawkins Lectures on Dec. 11 at Palmer Commons. Always a testament to KHRI’s exceptional trainees, the program featured presentations from 17 students and fellows. We were honored to have José M. Juiz M.D., Ph.D., from the University of Castilla-La Mancha join us as our Lawrence-Hawkins Guest Lecturer. Dr. Juiz gave a wonderful presentation entitled, “Central Auditory Neurons And Deafness: A Cell Biology Perspective.” It was a wonderful day.
2012 Michigan Work Society Meeting

This fall we welcomed more than 70 alumni to Ann Arbor for the 2012 Michigan Work Society Meeting, Nov. 8-10. It was an exciting weekend!

We kicked things off with the Charles J. Krause, M.D., Collegiate Professorship in Otolaryngology Installation Program. The program was a true celebration of not only Dr. Krause, Carol R. Bradford, M.D., and their accomplishments, but the department as a whole, past present and future. More details about this event can be found in the development section of this newsletter on page 13.

The weekend continued with the Michigan Work Society Meeting Lectures on Nov. 9. This year’s theme was centered on laryngology, rhinology and general otolaryngology, with Michael M. Johns III, M.D., giving an impressive keynote lecture. The remaining speakers gave equally inspiring presentations, emphasizing that we truly have the best alumni! The fun picked up in the evening during the gala dinner, which took place at the Gandy Dancer. The dinner was wonderful and the company was even better.

Things wrapped up on Nov. 10, when we cheered on the Wolverines to a narrow victory over Northwestern University. The football festivities wouldn’t have been complete without a pregame tailgate and postgame party. A special thanks to Dr. Bradford for hosting.

Photos from all of these events are available on our department’s Facebook page (facebook.com/MichiganOtolaryngology).

If you were unable to join us for the fun, we hope you’ll join us at the 2014 Michigan Work Society Meeting. We hope to have part or all of the meeting at the Michigan Big House! More details to come.

If you have feedback about the 2012 Michigan Work Society Meeting or ideas for the 2014 meeting, please contact Amanda Thatcher, communications specialist, at athatche@med.umich or (734)936-8003.
Hope@UMHS Program Receives Awards

The University of Michigan Health System's Hope@UMHS program was honored with both the Michigan Health & Hospital Association's 2012 Ludwig Award and the UMHS 2012 Clinical Program of the Year award. These awards reflect the gratitude of the hundreds of patients who have benefited from the program. Countless U-M doctors, nurses, staff, medical students and residents have volunteered at Hope's location in Ypsilanti, Michigan, helping provide uninsured and underinsured patients with free specialty care. In 2010, Hope came to UMHS in the form of specialty clinics, following a proposal by our then-resident Andrew G. Shuman, M.D., and faculty member, Erin L. McKean, M.D., MBA, FACS. The initial clinics involved faculty, staff and trainees from our department at the Taubman Center location. Together, we evaluated 74 patients in the first five clinics and performed 60 procedures. In 2011, the Kellogg Eye Center began offering bi-monthly Hope clinics as well.

Today, volunteers from plastic surgery, dermatology and ophthalmology have joined our department's volunteers. In 2012 alone, Hope@UMHS clinics handled 401 appointments and helped 50 patients enroll in the UMHS program for uninsured patients.

Congratulations and thank you to the many faculty and staff who volunteer their time during Hope@UMHS clinics, and thanks to our alumni who have volunteered in the past.

DR. JENNIFER KIM PROVIDES MICROTIA RECONSTRUCTION SERVICES TO CHILDREN AND YOUNG ADULTS IN PERU AND GUATEMALA

Jennifer C. Kim, M.D., donates her time and talents to provide care to under-privileged children and young adults in third-world countries. Dr. Kim pursues this work through two non-profit organizations: Medical Missions for Children (MMFC) and Help Us Give Smiles (HUGS).

Through these organizations, Dr. Kim travels twice per year to Antigua, Guatemala and annually to Cusco, Peru with other volunteer surgeons, anesthesiologists, medical and dental specialists to provide care for children and young adults suffering with cleft lip and palate deformities and microtia. Dr. Kim provides microtia reconstruction and helps to teach native medical students and surgeons. Due to the complexities of microtia reconstruction, it may take 3-4 years to complete ear reconstruction. Volunteers like Dr. Kim help to heal over 1,000 children per year.

For More Information
Medical Missions for Children
mmfc.org/
Help Us Give Smiles
helphugs.org/
Charles J. Krause, M.D., Collegiate Professorship in Otolaryngology Installation Ceremony

As we reflect upon many wonderful memories of Dr. Krause, we are especially grateful to have been able to celebrate with him during the Charles J. Krause, M.D., Collegiate Professorship in Otolaryngology Installation Ceremony. On Nov. 8, more than 100 faculty, staff, alumni and friends joined Dr. Krause and his family for this wonderful event.

The evening began with a lovely ceremony at the A. Alfred Taubman Biomedical Science Research Building. Dean James O. Woolliscroft, M.D., welcomed guests with warm remarks. Gregory T. Wolf, M.D., FACS, and Thomas E. Carey, Ph.D., then took us down memory lane, providing reflections on their own relationships with Dr. Krause. We had a few good laughs thanks to several photos from "way back." Dr. Krause also shared a few words of his own, joined by his wife, Barbara. The audience seemed to glow with joy and admiration.

Carol R. Bradford, M.D., FACS, accepted the installation and presented an address of her own, which she appropriately entitled, "Standing on the Shoulders of Giants." Drawing from Sir Issac Newton’s words, "If I have seen it further, it is by standing on the shoulders of giants," Dr. Bradford illustrated that the department's past, present and future success is owed to an extraordinary line of department leaders, including Dr. Krause. The Krause Collegiate Professorship in Otolaryngology will ensure that the department chair embodies Dr. Krause's ideals. In turn, the department is set to gain from an environment that fosters excellence and integrity in clinical care, education and research. Thank you to all who contributed to this important effort.

Be a Part of Our Progress

Philanthropy is a vital resource that allows our department to do more teaching and learning and to transfer ground-breaking research into life-saving clinical applications. We rely on private support to help us with this vital work. If you would like to make a gift online or learn about the many opportunities for giving, please visit www.med.umich.edu/oto/giving/.

You may also contact:
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Thank you for your confidence in us and for supporting our work. There is no more gratifying gift than one that helps us improve the health and health care of our patients.
Putting One's Identity to Work

Monte O. Harris, M.D., has always had a knack for building things. “As a kid, I would spend hours creating structures with my Erector sets.” Dr. Harris grew up in Gary, Indiana, just a short drive from Chicago and its intricately-designed buildings and energetic art scene. “Initially, I wanted to be an architect, but that changed after participating in the summer science programs at Purdue University. I found myself gravitating towards biology and living science.”

Dr. Harris entered Morehouse College as a biology and pre-medicine major. Morehouse was and still is committed to helping students cultivate their sense of identity and how to put this identity to work to make a difference in the world. Dr. Harris took this to heart, and it continues to permeate his life. “I knew I wanted to find a worthwhile profession that would allow me to make an impact.”

Following graduation from Morehouse College, Dr. Harris went on to pursue his medical degree at Case Western University. The school’s non-traditional approach to education allowed Dr. Harris to flourish. He spent weekday mornings in lecture, but the afternoons were his to fill. “It really allowed me to craft my own educational experience.” Dr. Harris took an extra year to pursue a pathology fellowship, which gave him a more in-depth look at disease processes. It was during this fellowship that he decided to pursue a career in otolaryngology-head and neck surgery, specifically facial plastic and reconstructive surgery. It was the perfect blend of science, art and architecture.

When it came down to selecting potential residency programs, Dr. Harris had his sights set on the University of Michigan. “I knew I wanted to get into the best otolaryngology-head and neck surgery training program possible, and for me, that was Michigan.” Dr. Harris matched into our program and began his training in 1992. He completed our six-year residency program followed by our one-year fellowship in facial plastic and reconstructive surgery. Following fellowship, Dr. Harris accepted a faculty position at U-M as an assistant professor and helped to develop a joint oculofacial plastic surgery clinic at the U-M Kellogg Eye Center. During his eight years at U-M, Dr. Harris remembers fondly the department’s collaborative spirit and investment in cultural diversity. “I was blessed to train in an ideal, nurturing, academic environment.”

After leaving Michigan, Dr. Harris went on to establish Cultura in Washington, D.C., the first multidisciplinary medical spa with niche aesthetic expertise for individuals with skin of color. In 2008, he launched his own boutique practice, the Center for Aesthetic Modernism in Chevy Chase, Maryland, where he remains today. There he strives to make a difference, working under the mission, “Look good. Feel good. Do good.” The practice strives to chart a new path for plastic surgery in the 21st century by nurturing the whole person through a celebration of beauty, spirituality and culture. “I realize I’m a little radical, but I’ve always been committed to doing my work in my own unique way.”

In his spare time, Dr. Harris enjoys playing tennis, visiting museums– he is actively involved with the Smithsonian Institution- design and travel.

ADVICE FOR OTOLARYNGOLOGISTS OF TOMORROW

“Ask yourself, ‘Who am I? What are the unique things about me? How can I use these things to do good and make a difference?’”
Temporal Bone Course
March 18-22
May 13-17
Sept. 16-20
Oct. 28-Nov. 1
Ann Arbor, Michigan

COSM Spring Meetings
April 10-14
Orlando, Florida

AHNS 2013 Annual Meeting at COSM
April 10-11
Orlando, Florida

Triological Society 116th Annual Meeting at COSM
April 12-13
Orlando, Florida

18th Annual Free Throat Screening Clinic
April 20
Ann Arbor, Michigan

13th Annual Charles J. Krause, M.D., Lectureship and Residency/Fellowship Graduation
June 21
Ann Arbor, Michigan

ORL Essentials Boot Camp
July 13
Ann Arbor, Michigan

Dates for the 2014 Michigan Work Society Meeting are still to be determined. They will be announced in the Summer/Fall 2013 Newsletter.

Edward H. Farrior, M.D., FACS, was elected president of the American Academy of Facial Plastic and Reconstructive Surgery for the 2013-2014 term.

Gus Gill, M.D, FACS, will receive the honor of having the first medical school in Angola named for him. The Angolan government plans to open the school at the Universidade da Cidade de Luanda. Dr. Gill is being recognized in honor of his role in advising the Angolan government on improving the country’s system for delivering health care in rural and urban areas following its declaration of political independence.

Brandom Isaacson, M.D., FACS, was promoted to associate professor at the U.T. Southwestern Medical Center, effective September 2012. Dr. Isaacson also received the Chief Resident Appreciation Award at U.T. Southwestern in June 2012, as well as the American Academy of Otolaryngology-Head and Neck Surgery Honor Award.

Benjamin C. Marcus, M.D., received the 2012 William K. Wright Award, given to an American Academy of Facial Plastic and Reconstructive Surgery member who has made outstanding contributions to the field.

To share your good news, please send your updates to Amanda Thatcher, communications specialist, at athatche@med.umich.edu.
University of Michigan Department of Otolaryngology-Head and Neck Surgery Faculty
Carol R. Bradford, M.D., FACS, Department Chair

**FACIAL PLASTIC, RECONSTRUCTIVE AND CRANIAL BASE SURGERY**
Jeffrey S. Moyer, M.D., FACS, Division Chief
Shan R. Baker, M.D., FACS
Jennifer C. Kim, M.D.
Lawrence J. Marentette, M.D., FACS
Erin L. McKean, M.D., MBA, FACS

**HEAD AND NECK ONCOLOGY**
Mark E. Prince, M.D., Division Chief
Carol R. Bradford, M.D., FACS
Douglas B. Chepeha, M.D., MSPH, FACS
Kelly M. Malloy, M.D., FACS
Scott A. McLean, M.D., Ph.D.
Gregory T. Wolf, M.D., FACS

**LARYNGOLOGY, RHINOLOGY AND GENERAL OTOLARYNGOLOGY (LaRGO)**
Norman D. Hogikyan, M.D., FACS, Division Chief
Melissa A. Pynnonen, M.D.
Jeffrey J. Stanley, M.D.
Jeffrey E. Terrell, M.D.
Mark A. Zacharek, M.D., FACS

**OTOLOGY/NEUROTOLOGY**
Steven A. Telian, M.D., Division Chief
H. Alexander Arts, M.D., FACS
Gregory J. Basura, M.D., Ph.D.
Hussam K. El-Kashlan, M.D., FACS
Katherine D. Heidenreich, M.D.
Paul R. Kileny, Ph.D.
William M. King, Ph.D.
Teresa A. Zwolan, Ph.D.

**PEDiatric OTOLARYNGOLOGY**
Marci M. Lesperance, M.D., FACS
David J. Brown, M.D.
Susan L. Garetz, M.D.
Glenn E. Green, M.D.
Jaynee H. Handelsman, Ph.D.
Charles F. Koopmann, Jr., M.D., MHSA, FACS
Peter P. Passamani, M.D., FACS
Marc C. Thorne, M.D., MPH

**KRESGE HEARING RESEARCH INSTITUTE**
Jochen Schacht, Ph.D., Director
Thomas E. Carey, Ph.D.
Richard A. Altschuler, Ph.D.
Sanford C. Bledsoe, Jr., Ph.D.*
David F. Dolan, Ph.D.*
R. Keith Duncan, Ph.D.
Glenn E. Green, M.D.
W. Michael King, Ph.D.
David C. Kohrman, Ph.D.
Marci M. Lesperance, M.D., FACS
Josef M. Miller, Ph.D.
Silvana M. Papagerakis, Ph.D.
Bryan E. Pfingst, Ph.D.
Yehoash Raphael, Ph.D.
Susan E. Shore, Ph.D.

*Active Emeritus